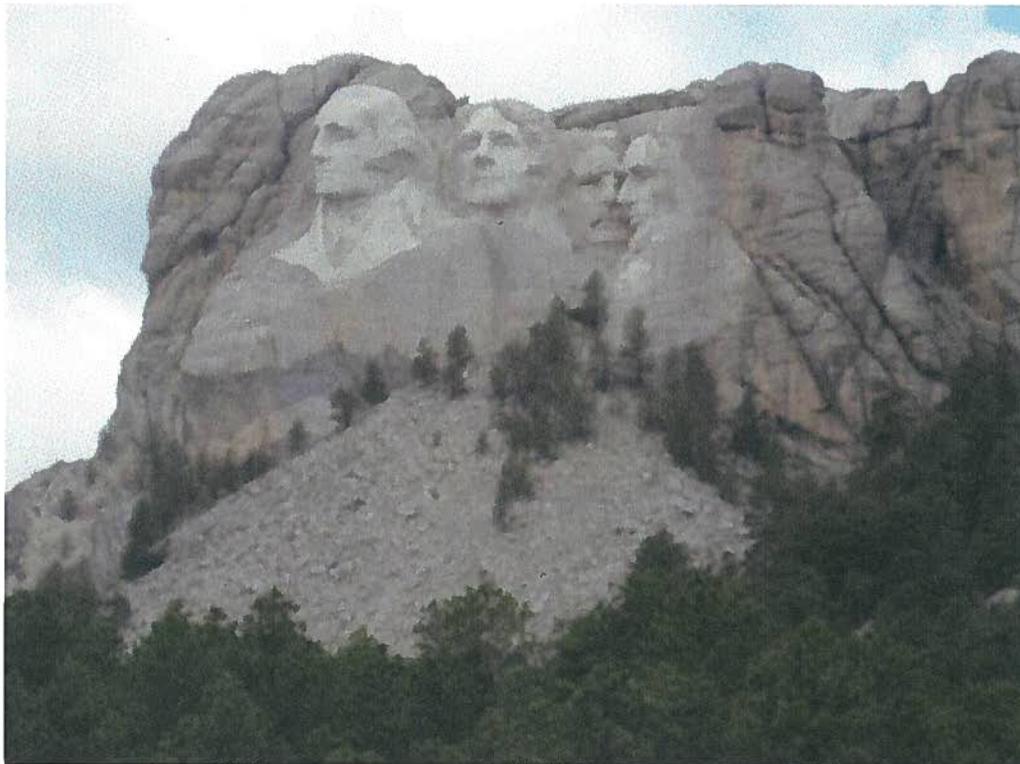


# Real Property Analysis for Concession Facilities at Mount Rushmore National Memorial MORU002



Task Order: P11PD26761

March 23, 2012

Submitted to: WASO

Prepared by:

**Dornbusch Associates**  
*Economic & Financial Consultants*



Binder 1 of 1



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Tab

# 1



# **Real Property Analysis for Concession Facilities at Mount Rushmore National Memorial**





## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

#### Comprehensive Condition Assessment - Executive Summary



#### **Introduction:**

Dornbusch Associates has been tasked by the National Park Service to provide real property analysis and related services [REDACTED]

[REDACTED] for possible maintenance and repairs concerns for Concession ID 002. The Mount Rushmore National Memorial is located approximately 30 miles southwest of Rapid City, South Dakota.

MORU002 includes the Fee Parking Loop Road, Parking Facility Developed Landscape, Fee Collection Facility, Parking Structure, Emergency Power Generation System, and the Septic System at the Fee Parking. All locations were constructed in 1998, with the exception of the Parking Structure in 1997, and the landscaping in 1998.

The Task Order requires the collection, evaluation and assembly of specific real property information to support concession management programs, and to meet NPS asset management requirements. The objectives for this task are as follows:

1. Validate and rectify the current asset inventory
2. Identify component inventory
3. Conduct a real property condition assessment
4. Create a life cycle and maintenance requirements analysis
5. Create a multi-year maintenance and repair plan
6. Perform replacement cost depreciation analysis



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7. Perform reproduction cost depreciation analysis
8. Complete Asset Insurance Specification Template for each applicable asset
9. Complete Accessibility and Seismic surveys for specified assets

To achieve these objectives, Dornbusch Associates has partnered with TEC, Inc. (TEC), an architecture and engineering firm based in Charlottesville, Virginia. This report is a summary of Dornbusch Associates and TEC's findings based on a site investigation and available information provided by the Park and concessioner. The field work was conducted at Mount Rushmore National Memorial on June 23, 2011.

Mount Rushmore National Memorial property and structures owned by the NPS and assigned to the concessioner includes the Concession employee dormitory, dormitory parking lot, and the Restaurant/Retail complex.

The team inspected all assets specified in Appendix A, collecting component inventory data and assessing their physical condition and remaining service life. In addition, specified assets were evaluated from an accessibility and historic point of view. All assessments and surveys were performed in accordance with the requirements and methodology set out in the Scope of Services.

TEC personnel involved in the field work at Mount Rushmore National Memorial were:

██████████	Project Manager
██████████	Senior Engineer (Accessibility & Seismic)
██████████	Field Project Manager/FCA Inspector (Structural & Architectural)
██████████	FCA Inspector (Structural & Architectural)
██████████	FCA Inspector (Mechanical, Electrical & Plumbing)
██████████	Senior Engineer (Roofing and Site)

#### **Task Order: P11PD26761**

The real property analysis consists of the following elements which satisfy the specific Task Deliverable Requirements and collectively represent a complete condition assessment report. These elements are as follows:

##### TASK I.2 - FIELD VERIFICATION OF ASSET INVENTORY

1. Appendix A - Real Property List revised to reflect the results of the visual on-site inspection, including area calculations.
2. Comprehensive Color Photographs for each identified real property asset, including exterior elevations, unique space or use type. NPS photo naming standards must be adhered to.
3. A completed Appendix I – Asset Insurance Specification Template.

##### TASK I.3 - CONDUCT A REAL PROPERTY CONDITION ASSESSMENT

1. Completed Appendix C – Maintenance Plan
2. Completed Appendix D - Component Inventory.

##### TASK I.4 - IDENTIFY AND/OR VALIDATE COMPONENT INVENTORY

1. Complete Appendix D.

##### TASK I.5 - CREATE A LIFE CYCLE AND MAINTENANCE REQUIREMENTS ANALYSIS

1. A completed Appendix G



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2. A completed Appendix D containing component renewal and life cycle information (e.g. date installed/replaced, remaining life, estimated design life, year of replacement, R. S. Means reference number).
3. Support documentation or other information supporting findings and conclusions in Microsoft Word (electronic) format (Appendix G).

#### TASK I.6 - PERFORM DEPRECIATION ANALYSIS

1. A completed Appendix A
2. Depreciation Analysis
3. Cost Factor Details and Assumptions

#### TASK I.7 - ASSET NARRATIVES

1. A completed Appendix G that includes:
2. Multi-Year Schedule of requirements and costs for:
3. Deferred Maintenance (DM) – all subtypes
4. Routine & Preventive Maintenance (PM)
5. Recurring Maintenance (RM)
6. Component Renewal (CR) and,
7. Multi-Year Maintenance & Repair Plan format & Subtotals by:
  - a. Year
  - b. Asset
  - c. Work Type within each Year and,
  - d. Filtered by Year, Asset, Work Type
8. Multi-Year Maintenance and Repair Plan (2 hard copies and an unprotected completed contractor developed Excel file) that includes numerical and graphic displays. This Multi-Year Schedule shall cover the 20-year period from date of Real Property Condition Assessment fieldwork.

#### TASK I.8 - EXECUTIVE SUMMARY

1. Review and analyze data collected as part of the Task Order and document overall findings.
2. Develop a 20-Year Funding Schedule by Location and summarized in Appendix J.
3. Appendix G1
4. A Completed Appendix E1 – Replacement Cost Depreciation Analysis (hard copy and Excel file) for all assets listed on Appendix A.
5. A completed Appendix E1S – Summary Report precedes each individual asset's Replacement Cost Depreciation Analysis and includes summary information at the asset level.
6. Word document (electronic format) supporting detail for assumptions, location and remoteness factors, and other relevant documentation to support the approach and estimates.

#### TASK I.9 - SPECIAL INSPECTIONS AND REPORTS

1. Accessibility Assessment



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## Method and Rationale:

### Cost Factor Analysis

Cost estimates for life cycle maintenance requirements, including component replacement, repair and preventive maintenance is a fundamental element of the CAC and requires significant effort to accomplish. The CAC SOS requires the contractor to base these estimates on RS Means cost data. RS Means cost data while extensive, does not always align perfectly with the inventory components and maintenance tasks included in a CAC. In these cases, choosing the most appropriate RS Means cost data sometimes requires a degree of judgment.

To better understand the judgments needed to determine the most appropriate data, an explanation of the basis of cost is helpful. RS Means cost data is categorized in one of four ways: Facility Maintenance and Repair, Facility Renovation, Residential New Construction, and Commercial New Construction. In addition, the cost data in these categories is presented as unit costs or assemblies. Assemblies are packages of unit costs needed to accomplish a particular task. For example, a unit cost might be for grading a surface. An assembly would be concrete slab, which is a package of unit cost data for grading, setting forms, pouring concrete, floating, and finishing. Effective cost estimating is therefore the practice of producing the best matches of work requirements to available cost data.

The cost estimates used in this analysis rely on assembly data whenever possible to help ensure complete and accurate estimates are produced as efficiently as possible.

### General:

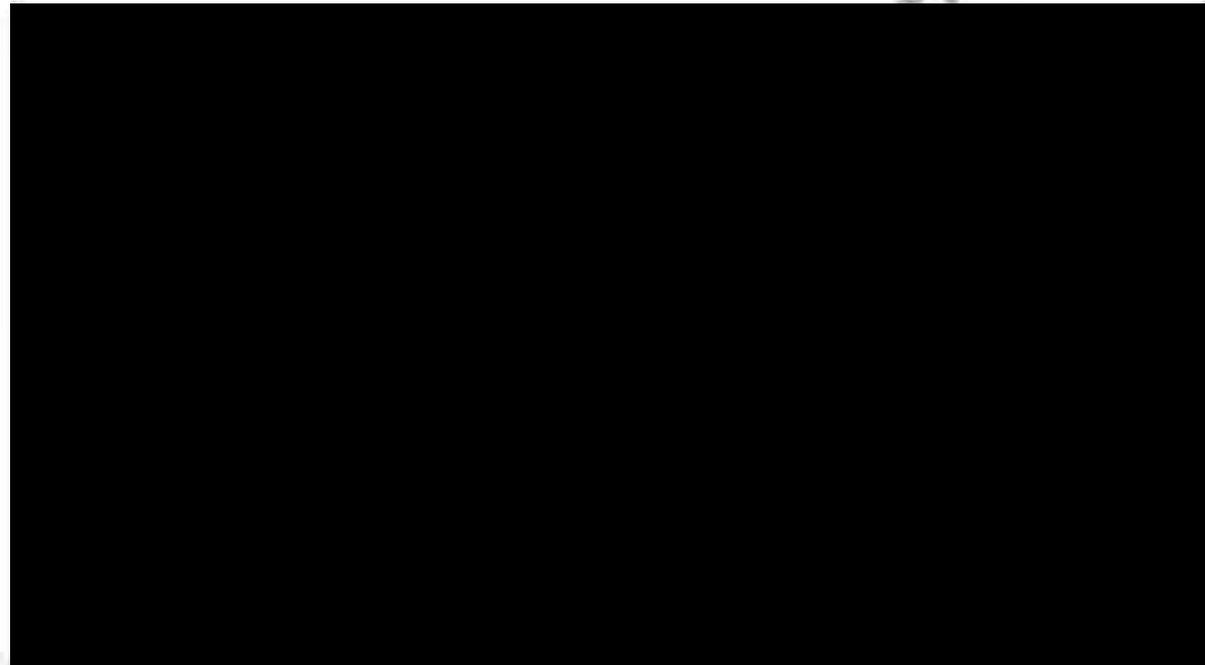
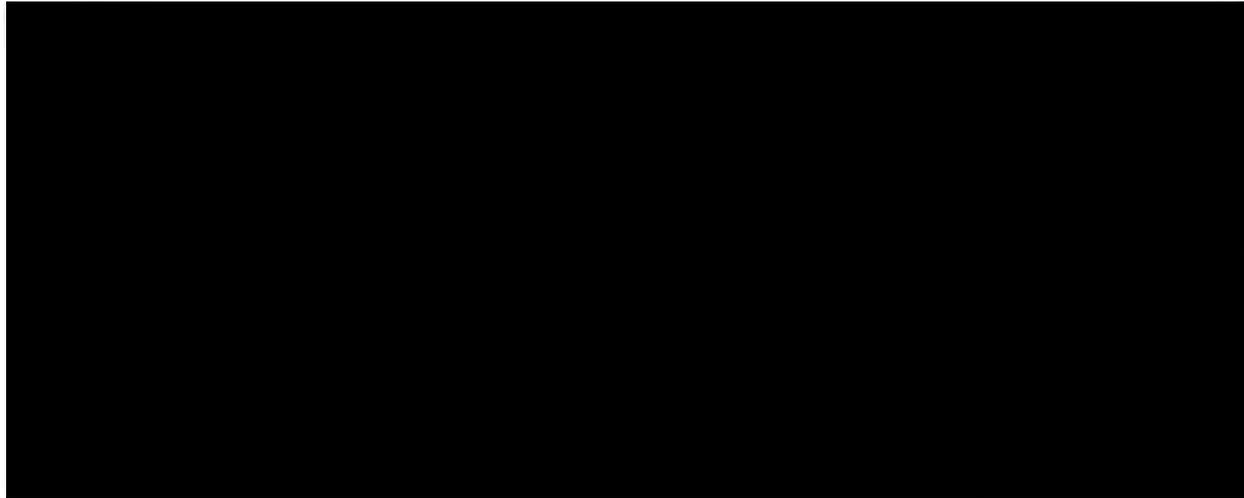
The Mount Rushmore National Memorial Concession Facility Assessment for MORU002 includes locations in Keystone, Pennington County, SD. Keystone is roughly 30 miles southwest of Rapid City, SD.



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#### **Year Built or Installed – Appendix A**

The year the asset was built was provided by the NPS. All values in Appendix A that were not provided by the NPS are in red text.

#### **Maintenance Plan Timeline – Appendix C**

Since it is likely that a majority of the deferred maintenance, Legislative Mandate Accessibility Code and Life Safety work orders will be completed in 2011 and the Maintenance Plan will not be finalized and fully implemented until 2011, the timeline of the Maintenance Plan is from 2012 through 2031. Work orders scheduled for CY 2011 are restricted to the items listed above; the 20-year plan includes Component Renewal, Recurring Maintenance and Preventative Maintenance tasks.



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#### Exclusions from the 21-Year Maintenance Plan - Appendix C

Not all findings from the ADA Accessibility Assessment are included in the 21-Year Maintenance Plan; only the findings that have a repair or replace solution are addressed in the Plan. [REDACTED]

#### Installation Year – Appendix D, E

In cases where the installation dates of the components were not readily available during the site visit professional judgment was used to estimate when the component was installed.

#### Photographs – Appendix C, N

Photographs are labeled in accordance with the NPS naming convention. However, in addition to the standard NPS convention, interior and exterior photographs have been segregated as well. Each Asset has a folder of photos. The photos are organized into the following categories: Elevations; Exterior; Interior; Deficiencies; Legislative Mandate Accessibility; Legislative Mandate Fire Structure and Life Safety. All available elevation photos are grouped as such. Not all folders are populated for all of the locations. Deficiencies (DM, CRDM, RMDM), Legislative Mandate Accessibility (LMAC), and Life Safety (LMLS) are only populated if there is a task of that Work Subtype in Appendix C. Further, the photo column in Appendix C is only populated for photos that are in accordance with the NPS Task Order III.5:

1. All Life Safety tasks and deficiencies (LMLS);
2. All Accessibility tasks (LMAC); and,
3. Serious and critical deficiencies (DM, RMDM, CRDM) [REDACTED]

Appendix N is a photo look-up table that references the photographs acknowledged above. All photos in Appendix N are organized in accordance with the categories defined above.

#### Action Item Table – Appendix O

Appendix O is a cost library that references all of the work order in Appendix C. [REDACTED]

#### Asset 21-Year Funding Summary Table – Appendix G<sup>2</sup>

The Asset 21-Year Funding Summary Table in Appendix G<sup>2</sup> provides a breakdown of the costs associated with each Work Subtype over a 21-year period (a function of Appendix C). The table is intended to provide a *summary* of the costs and will therefore not directly correspond with the costs in Appendix C because of rounding. [REDACTED]

[REDACTED] Deferred Maintenance for 2011 is also shown in the table to capture the cost of this activity.

The following is a summary of overall site conditions and not necessarily attributable to a specific location. Location specific findings are provided in the Location Narratives and Appendix C as appropriate.



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### Physical Condition:

Overall, the assets in MORU002 appear to be in good condition based on our purely visual inspection. The Parking Facility Developed Landscape, Fee Collection Facility, Emergency Power Generation System, and the Septic System at the Fee Parking appear to be in good condition based on our purely visual inspection with only minor repairs and maintenance required. The parking structure appears to be in fair to good condition based on our purely visual inspection, however, there has been repair and rework accomplished in multiple areas of the structure that should be inspected and tested to verify integrity of both repaired and non-repaired areas. Some damage to the concrete near Column D24 where water is seeping through from above was observed during the assessment. Restriping of the handicap spaces in the parking structure and along the Fee Loop Road should occur. Several locations along the Fee Loop Road require attention including areas of cracking in the pavement and some concrete curb and gutter and sidewalk damage from vehicles. There are several dead trees within the landscaping that need to be replaced.

### ADA Accessibility:

The ADA Accessibility Condition Assessment evaluated certain selected buildings and exteriors identified by the NPS for review. The goal was to identify accessibility issues evident at the existing assets. As a result, the recommendations outlined for improving ADA accessibility should be reviewed in conjunction with other improvements identified for the assets and included as part of a comprehensive renovation plan for Mt Rushmore National Memorial.

It is important to note that full compliance with the Standards is required only for new construction and alterations. The Standards should be followed as closely as possible for all barrier removal unless doing so is not readily achievable. Recommendations presented as a part of this report are based on generally acceptable solutions and may not fully consider other, better solutions for a given issue. If complying with the Standards is not readily achievable, you are allowed to undertake a modification that does not fully comply, as long as the deficiency does not pose an immediate health or safety risk.

ADA requires public accommodations to provide goods and services to people with disabilities on an equal basis with the rest of the general public. The regulations require that architectural and communication barriers that are structural must be removed in public areas of existing facilities when the removal is readily achievable. Public facilities that must meet the barrier removal requirement include a broad range of establishments, such as hotels, restaurants, retail stores, and other public use places. Service facilities, not used by the general public, require a different level of scrutiny.

Associated with Concession ID MORU002, the following components were observed to be non-compliant relative to the ADAAG compliance requirement criteria in the Accessibility Survey: main pathways, ramps, entry areas, and accessible routes. However, full compliance is probably not warranted because the majority of the ADA accessibility compliance issues stem from the facility design, and as a consequence would require redesign and structural modification to bring into compliance and resolve the survey deficiency. Full accessibility compliance must be a process of making decisions on a case-by-case basis, taking into consideration multiple factors. In cases where the removal of barriers cannot be achieved by making simple changes to the physical environment, accessibility and the ability to achieve full compliance must be evaluated annually and opportunities sought that would allow for complete removal of all barriers leading to full accessibility compliance. Barrier removal that is difficult to carry out at the present may be achievable in the future as a part of other improvements, renovations, or additions.

### Accessible Routes

Full ADA accessible compliance requires that at least one accessible route connects accessible buildings, facilities, elements, and spaces on a site. The accessible route must comply with ADAAG provisions for the location, width



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(minimum of 36-inches), passing space, head room, surface, slope (maximum of 1:12 or 8.33%), changes in level, doors, egress, and areas of rescue assistance, unless otherwise modified by specific provisions.

The main accessible route from the Parking Structures and Loop Road to the Restaurant and Retail Complex and Main Viewing Plaza are shared by the Concessioner Assets and the National Park Service property. In particular, the main pathway from Loop Road up to the main viewing plaza where the Restaurant and Retail Complex are located has an extended sloped pedestrian walkway (ramp) that appears to exceed the ADAAG guidelines for a continuous sloped pathway. This sloped walkway is part of the NPS asset and is not included in this evaluation however this walkway impacts the overall accessibility between the included Assets (Parking Structure/Loop Road and the Restaurant/Retail Complex).

The accessible parking stalls located on the 3<sup>rd</sup> and 2<sup>nd</sup> levels of the Parking Structures require users to pass behind parked vehicles and walk along the active driveways to reach accessible walkways and elevators when exiting or entering the Parking Structure. While this is not preferable, the practice is acceptable when providing accessible routes in front of parked vehicles is not feasible or would require substantial re-work or loss of parking spaces to achieve the safest route.

The main route from the Parking Structures to the Fee Building is not an accessible route. An accessible walking surface is not provided through the Landscape area connecting the Parking Structures to the Fee Building. For the section of sidewalk that is provided adjacent to the Fee Building entrance, a curb ramp is not provided.

#### General Findings and Recommendations

##### *Exterior*

The main parking structures can benefit from a more dispersed use of accessible parking stalls, especially due to the seasonal closure of the top levels during the winter or Special Events. This would also allow for the designation of accessible van stalls with proper vertical clearances on the 1<sup>st</sup> level. Due to the low clearance of the structural concrete beams, the 2<sup>nd</sup> level does not have the required vertical clearances for van accessible parking even though such spaces are provided. A re-striping plan could eliminate the deficiencies and at the same time address the lack of proper parking stall sizing requirements for accessible parking stalls, aisles and routes.

##### *Interior*

The Fee Collection Facility did not have an accessible route to the building, so it is not considered ADA accessible. Nonetheless, an evaluation of the rest of the facility's interior for individual compliance issues was completed.

Significant design modifications are not considered within the scope of this work effort,

Findings involving repair/replacement solutions of an existing component are included in the 20-Year Maintenance Plan.

##### **Seismic**

TEC Inc. conducted a Rapid Visual Screening of Buildings for Potential Hazards (RVS) as outlined by FEMA 154, Edition 2, dated March 2002. This included the Fee Collection Facility (61421) and the Parking Structure. The Fee Parking Loop Road (61419) and the Parking Facility Developed Landscape area (61420) are not buildings and therefore a survey form was not completed. The technical basis for the seismic analysis includes a scoring system that provides a broad overview to identify, inventory, and rank buildings that are potentially seismically hazardous. Its principal purpose is to identify older buildings designed and constructed before the adoption of adequate seismic



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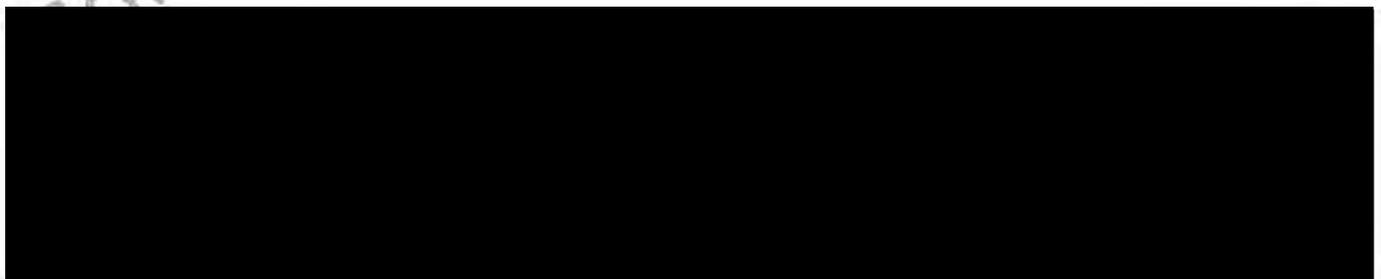
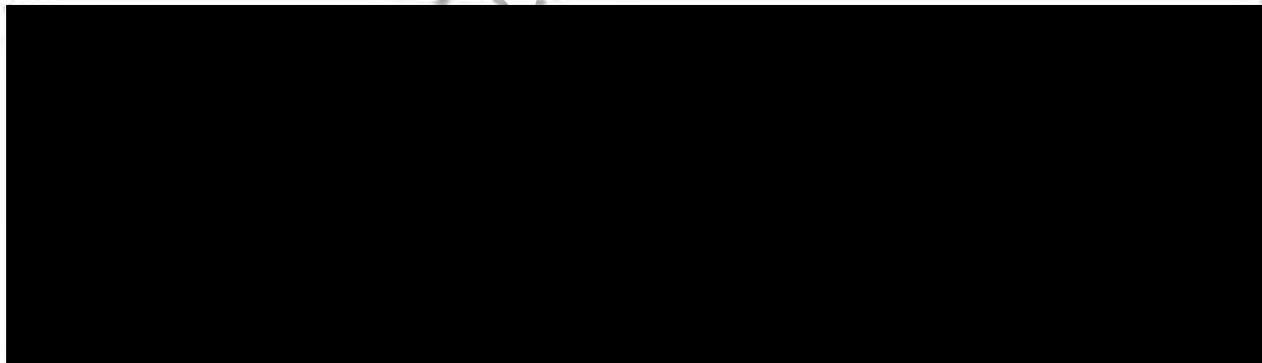
design and detailing requirements, buildings on soft or poor soils, and buildings having performance characteristics that negatively influence their seismic response. Once identified as potentially hazardous, design professionals experienced in seismic design should further evaluate the buildings to determine if, in fact, they are seismically hazardous.

The RVS is a methodology based on a "sidewalk survey" of a building and a Data Collection Form. The Form includes space information, sketches, and documentation of pertinent data related to seismic performance. Once all the data is completed, a numeric seismic hazard score is calculated. The Score Final S scores range from 0 to 7, with higher seismic scores corresponding to higher expected seismic performance. The RVS system allows the user to conduct a community-wide screening of all its buildings and establish a cut-off level at which buildings scores above the level are deemed to have acceptable seismic performance and those below are deemed to be seismically hazardous and should be studied further. The RVS authors do not establish a set cut-off level at which additional studies are recommended. This is left to the user as identified by the screener. However, the FEMA 154 Report noted that an S score of 2 or less is a "suggested" cut-off level where the user could consider having a design professional further investigate the building's seismic design. Again, the RVS is meant to be a preliminary screening phase of a multi-phase procedure to identify potentially hazardous buildings.

The RVS S Scores are shown in Table 1.1 below. Please see the attached FEMA 154 RVS Data Collection Forms for more details:

The Fee Collection Facility is a Type I concrete and masonry structure with concrete footings. The building is a single story building. There were no noted structural deficiencies based on the Rapid Visual Screening process utilized for this survey. This building has a seismic score of 4.8.

The Parking Structure is a Type I concrete and masonry structure with precast wall panels and a concrete slab-on-grade foundation. The parking structure is a tiered three story structure. There appeared to be several areas within the Parking Structure that exhibited spalling, cracking, exposed re-bar, and other evidence of stress that strongly suggest further evaluation should be conducted by design experts to determine if the structures are exhibiting any detrimental fatigue. This parking structure has a seismic score of 4.4.





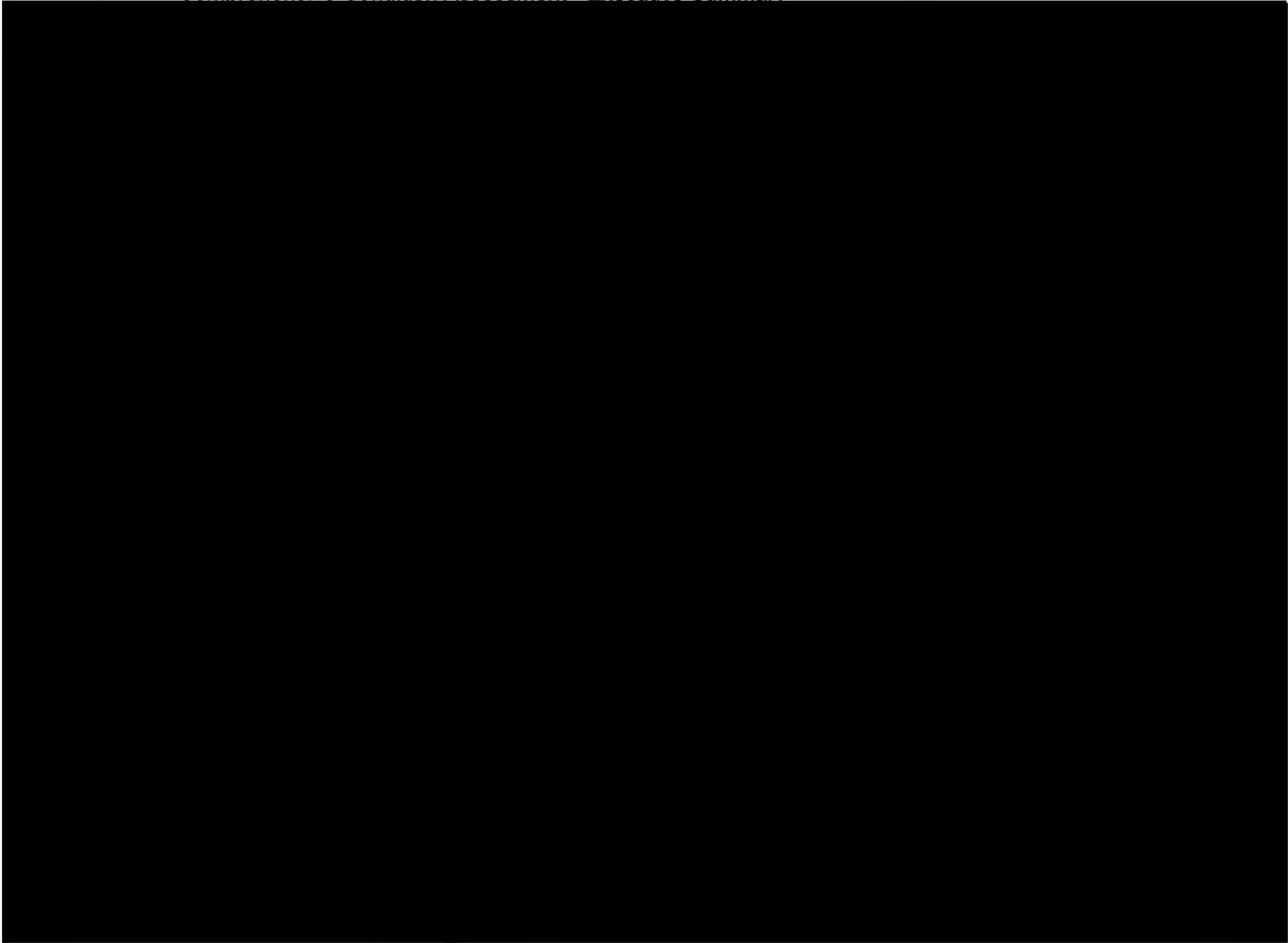
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**CY 2011 Cost Tables**

Deferred Maintenance and Legislative Mandate Accessibility orders and associated costs for CY 2011 are presented below.

Deferred Maintenance (DM, CRDM, RMDM)	WBS Code	Critical Serious Minor	Detailed Description	
CLEAN OUT BASIN/PIPE LINES				
2011	G2010	M-1 Minor	Clean out Southwestern one basin/pipe lines found with wash out dirt.	
REPAIR CURB AND GUTTER DAMAGE				



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2011	G2010	M-1 Minor	Repair or replace minor curb and gutter chip out and cracking, mostly caused by heavy vehicle striking.	██████
REPAIR ASPHALT PAVEMENT				
2011	G2010	M-1 Minor	Repair alligator crackling at RV parking area at West side.	██████
REPAIR CONCRETE SIDEWALK				
2011	G2010	M-1 Minor	Replace 4 sidewalk panels cracked by heavy vehicles at Bus Parking.	██████
REPLACE TREES				
2011	G2050	M-1 Minor	Remove and replace 2 dead trees located outside of the Lincoln parking structure.	██████
REPLACE GRID CEILING				
2011	C3030	M-1 Minor	Repair egg crate lens ceiling by removing and replacing one 3'x1' ceiling panel in fee booth 105. The panel is damaged and requires replacement.	████
REPAIR WATER DAMAGE TO COLUMN D24				
2011	B2010	S-5 Serious	Search and secure source of water leaks at middle level, north wall West Garage. At East Garage, rebuild col D24 at Mid-Level.	██████
Grand Total				██████

Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description	Total Cost
RESTRIPE RV PARKING STALL				
2011	G2010	M-1 Minor	Re-stripe the west-side accessible RV parking stall to align with the curb ramps. All accessible aisle spaces should be properly marked with cross-hatched striping (600 LF).	██████
INSTALL ACCESSIBLE SIGNAGE FOR PARKING				
2011	G2010	M-1 Minor	Install ADA accessible signage in front of each accessible parking space.	██████
CAULK SIDEWALK GAPS				



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Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description	Total Cost
2011	G2050	M-1 Minor	Fill in all gaps between sidewalks and curbs greater than 1/4". All sidewalks and curbs should be repaired to eliminate any gap in the surface greater than 1/4". There were gap separations in the caulking between the curb and sidewalk slabs, and between sidewalk slabs along the accessible route between the parking structure and the main entrance walk area.	██████████
INSTALL ACCESSIBLE DIRECTIONAL SIGNAGE				
2011	G2050	M-1 Minor	Provide directional signage at the upper level walkway directing visitors from the Lincoln and Washington Parking Structures to the upper ramp and main plaza.	██████████
INSTALL ADA ACCESSIBILITY SIGNAGE				
2011	C1020	M-1 Minor	Install an International symbol sign outside the public unisex restroom.	██████████
PROTECT SINK DRAIN				
2011	D2010	M-1 Minor	Install protective booting over the lavatory drain piping in accessible toilet rooms.	██████████
REPLACE TOILET				
2011	D2010	M-1 Minor	Replace the toilet located in the restroom in the main building with another toilet that has the flush control on the open side of the water closet. The toilet handle is located on the wall side and is therefore non-compliant. In addition, make sure the new toilet meets the required height for an accessible water closet (17" to 19") from the finished floor to the top of the toilet seat. The toilet measured 16" above finished floor.	██████████
INSTALL DIRECTIONAL ADA SIGNAGE				
2011	B2010	M-1 Minor	Install directional signage in the Parking Structures to direct visitors towards an accessible path of travel. Specifically, the walkway leading to the landscape areas on the 2nd level that are near the accessible stalls should direct disabled visitors towards the elevators since the landscape areas are not accessible to the main plaza area.	██████████





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Annual Maintenance Tasks (2012-2031)	
Task	
Maintain Elevator	
Maintain Exhaust Fan	
Maintain Motor Control Center	
Maintain Generator Set	
Maintain Electric Unit Heater	
2012 Total	
2013	
RM - Recurring Maintenance	
Maintain Septic Tank	
Maintain Landscaping	
Maintain Drinking Fountain	
Refinish Wood Benches	
Replace Sheet Vinyl	
PM - Preventive Maintenance	
Maintain Transfer Switch	
Maintain Unit Heater	
Maintain Exit Lighting Fixtures	
Maintain Electric Hot Water Heater	
Maintain Air Conditioner - Thru-Wall	
Maintain Packaged Terminal AC - Electric	
Inspect Transformer	
Inspect Panel board	
Maintain Elevator	
Maintain Exhaust Fan	
Maintain Motor Control Center	
Maintain Generator Set	
Maintain Electric Unit Heater	
2013 Total	
2014	
RM - Recurring Maintenance	
Maintain Landscaping	
Maintain Concrete Bridge Abutments	
Paint Metal Gates	
Maintain Asphalt Pavement	
Maintain Concrete Sidewalk	
Maintain Concrete Retaining Wall	
Maintain Concrete Bridge Decking	
Maintain Concrete Steps	
Maintain Concrete Truss	



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Annual Maintenance Tasks (2012-2031)	
Task	
Maintain Concrete Exterior Wall	
Caulk Metal Doors	
Replace Kitchen Sink Faucet	
Maintain Concrete Pavement	
Paint Metal Pipe Swing Gate	
Maintain Concrete - Cast in Place	
Maintain Concrete Exterior Ramp	
Maintain Concrete Post Tensioned Deck	
Paint Metal Doors	
Maintain Concrete Steps	
Maintain Metal-Railings	
Restripe Roadways and Side Parking	
Caulk Glass Exterior Wall	
Replace Lavatory Sink Faucet	
PM - Preventive Maintenance	
Maintain Transfer Switch	
Maintain Unit Heater	
Maintain Exit Lighting Fixtures	
Maintain Electric Hot Water Heater	
Maintain Air Conditioner - Thru-Wall	
Maintain Packaged Terminal AC - Electric	
Inspect Transformer	
Inspect Panel board	
Maintain Elevator	
Maintain Exhaust Fan	
Maintain Motor Control Center	
Maintain Generator Set	
Maintain Electric Unit Heater	
2014 Total	
2015	
RM - Recurring Maintenance	
Maintain Incandescent Lighting Fixtures	
Maintain Landscaping	
Maintain Drinking Fountain	
Maintain EPDM Roof Covering	
Maintain High Intensity Discharge Lighting Fixtures	
Maintain Fluorescent Lighting	
Replace Parking Lot Striping	
Maintain Concrete Columns - Cast in Place	



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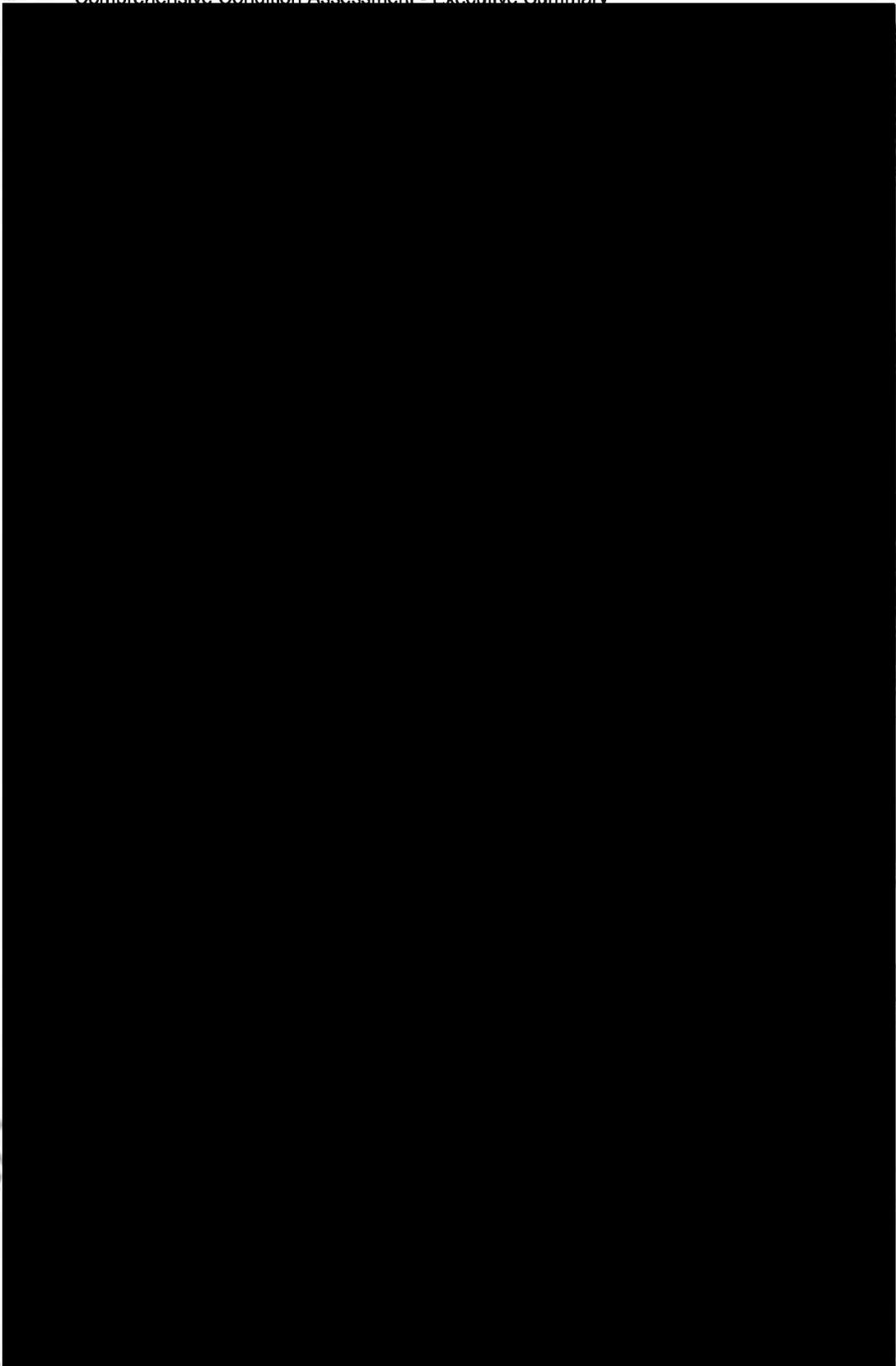
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Inspect Transformer	
Inspect Panel board	
Maintain Elevator	
Maintain Exhaust Fan	
Maintain Motor Control Center	
Maintain Generator Set	
Maintain Electric Unit Heater	
2015 Total	
2016	
CR - Component Renewal	
Replace Grid Ceiling	
RM - Recurring Maintenance	
Paint Drywall Ceiling	
Paint Drywall Walls	
Maintain Toilet	
Maintain Landscaping	
PM - Preventive Maintenance	
Maintain Transfer Switch	
Maintain Unit Heater	
Maintain Exit Lighting Fixtures	
Maintain Electric Hot Water Heater	
Maintain Air Conditioner - Thru-Wall	
Maintain Packaged Terminal AC - Electric	
Inspect Transformer	
Inspect Panel board	
Maintain Elevator	
Maintain Exhaust Fan	
Maintain Motor Control Center	
Maintain Generator Set	
Maintain Electric Unit Heater	
2016 Total	
2017	



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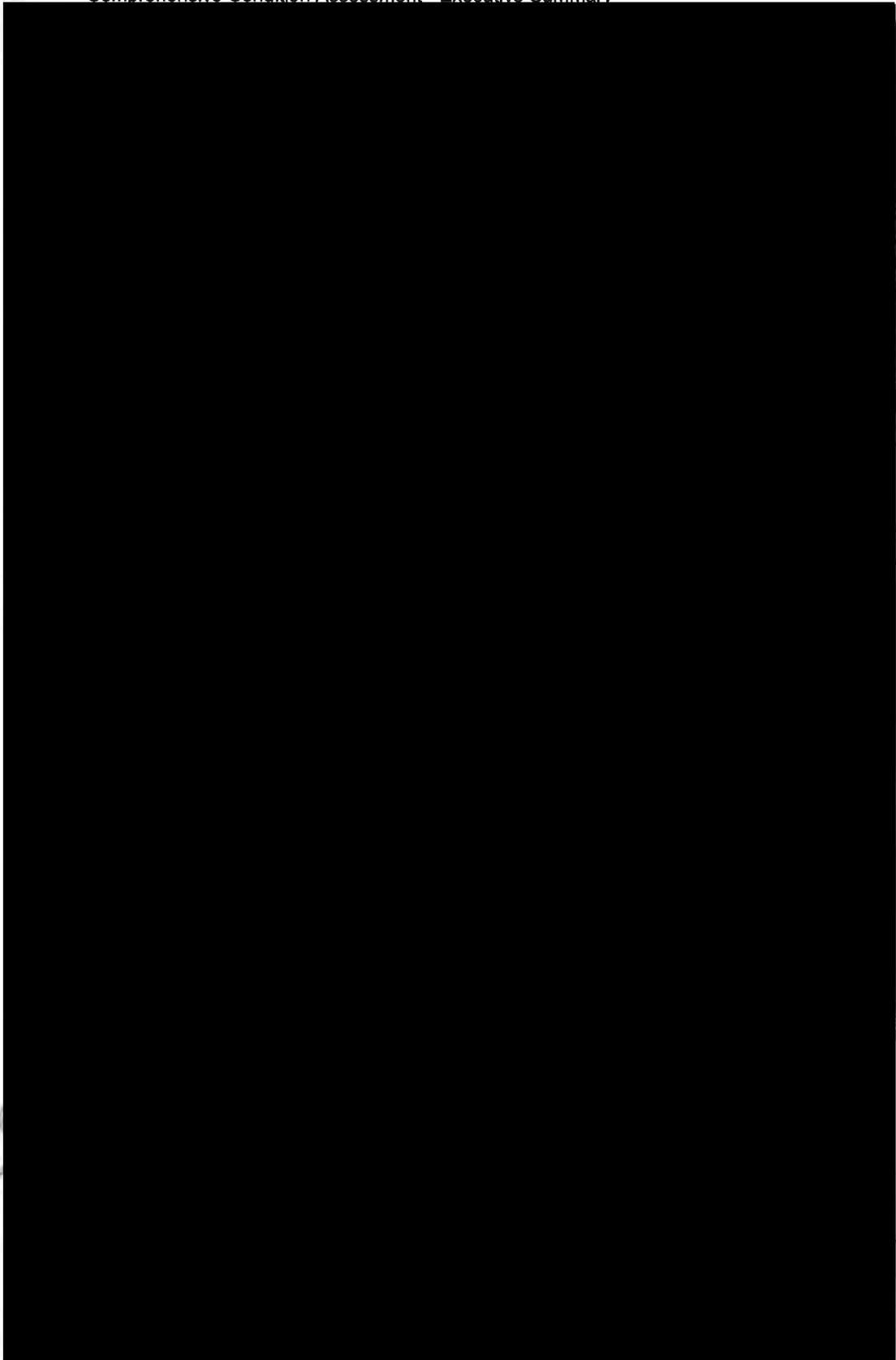




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

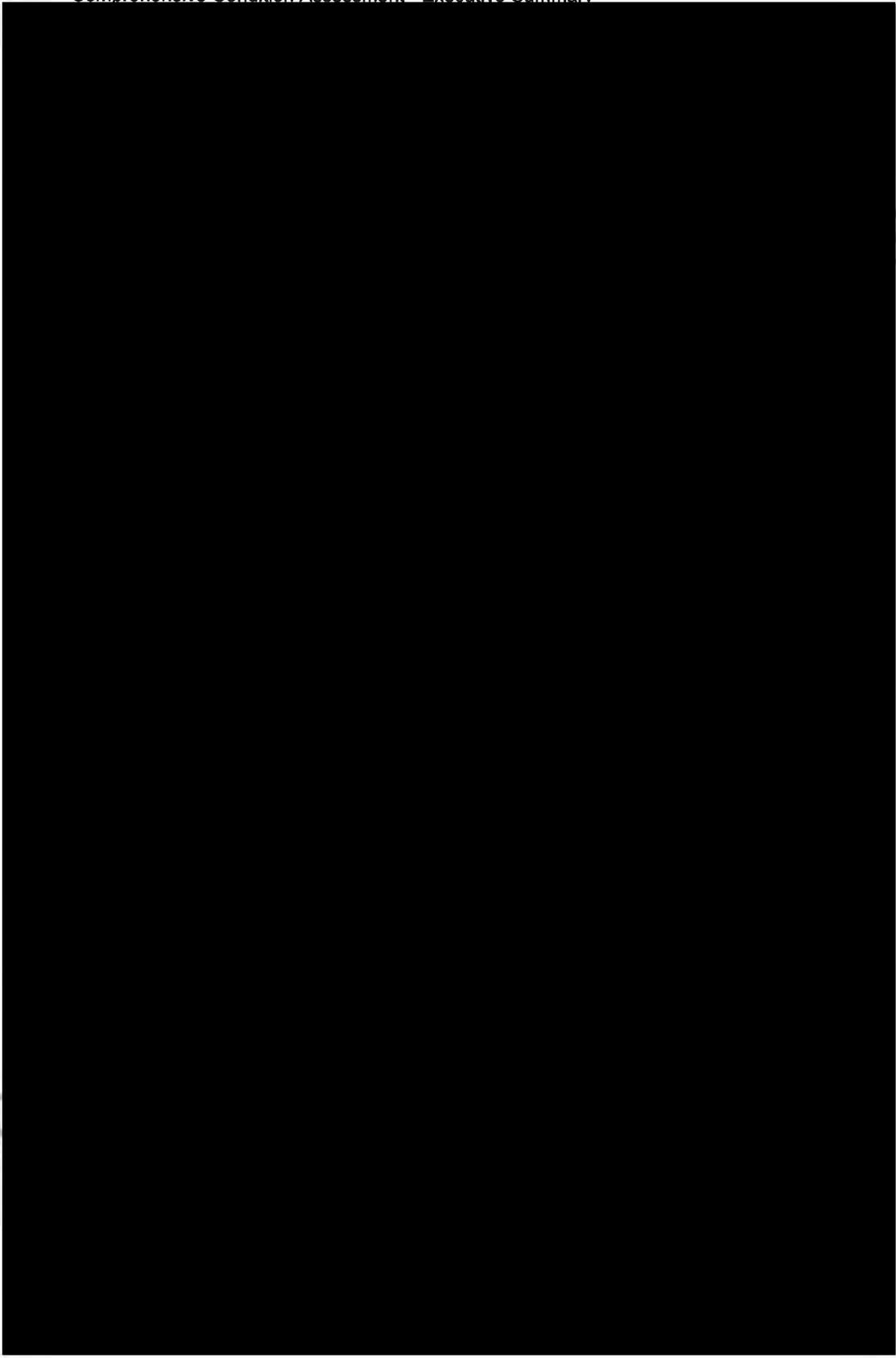




National Park Service

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

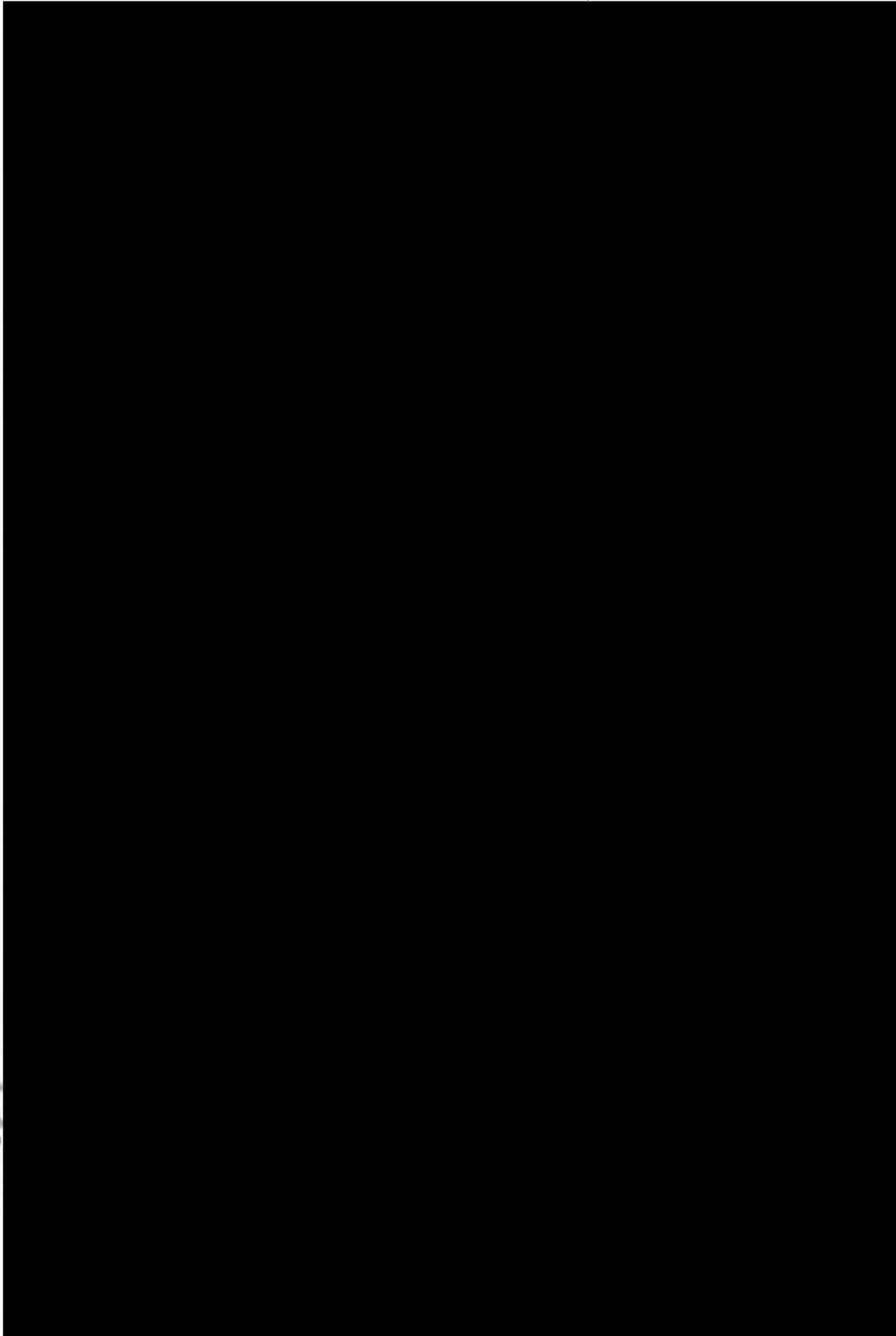




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

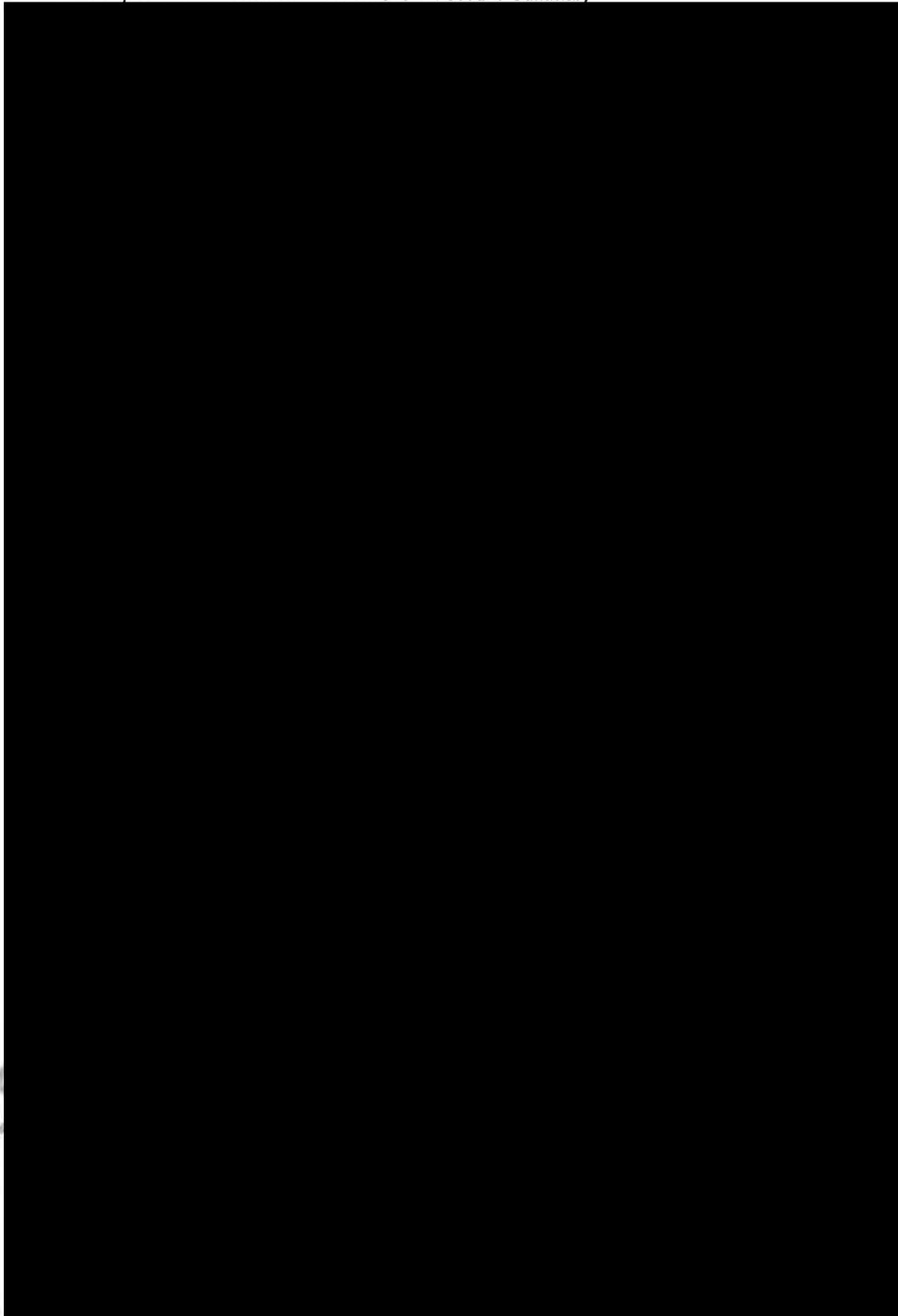




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

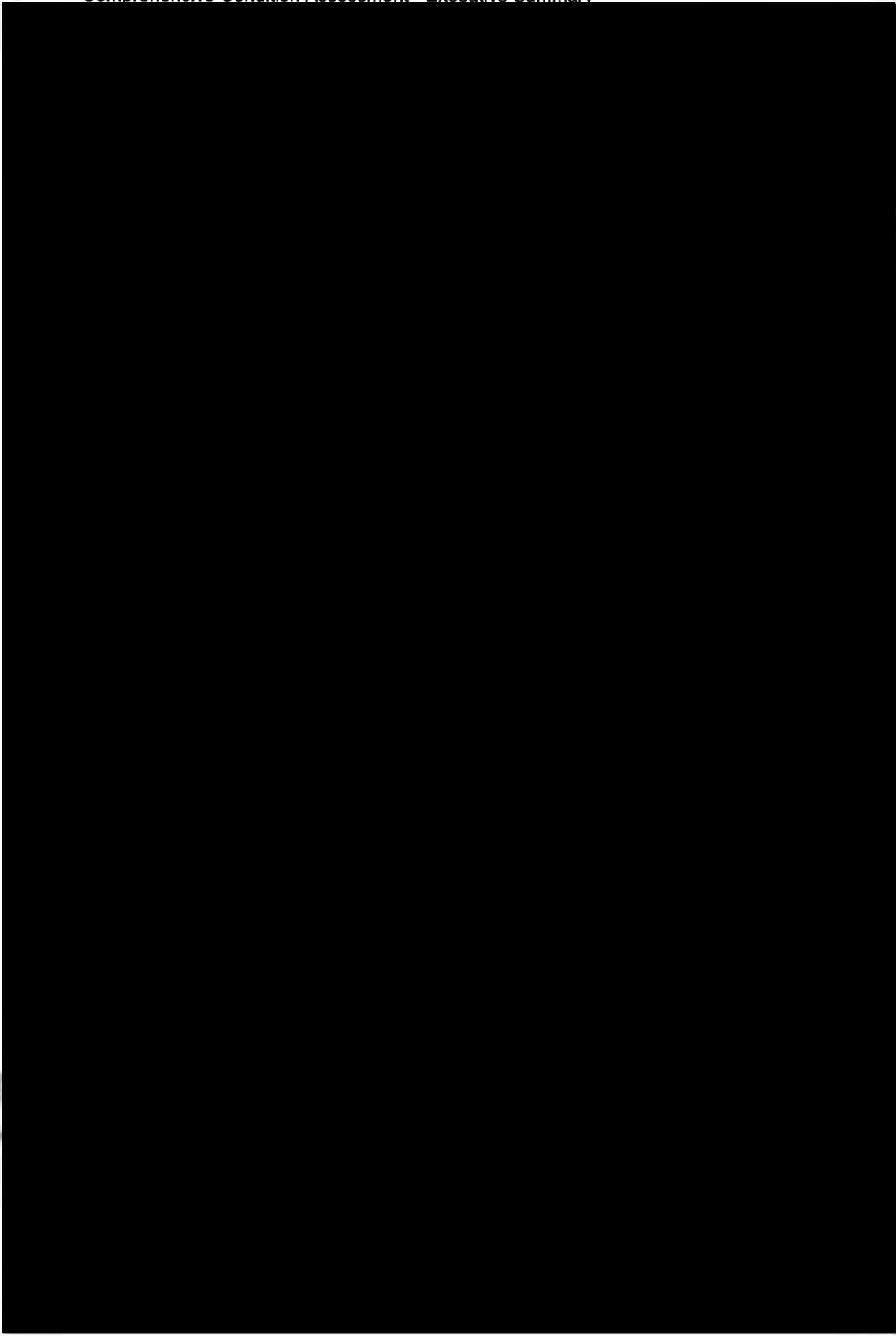




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

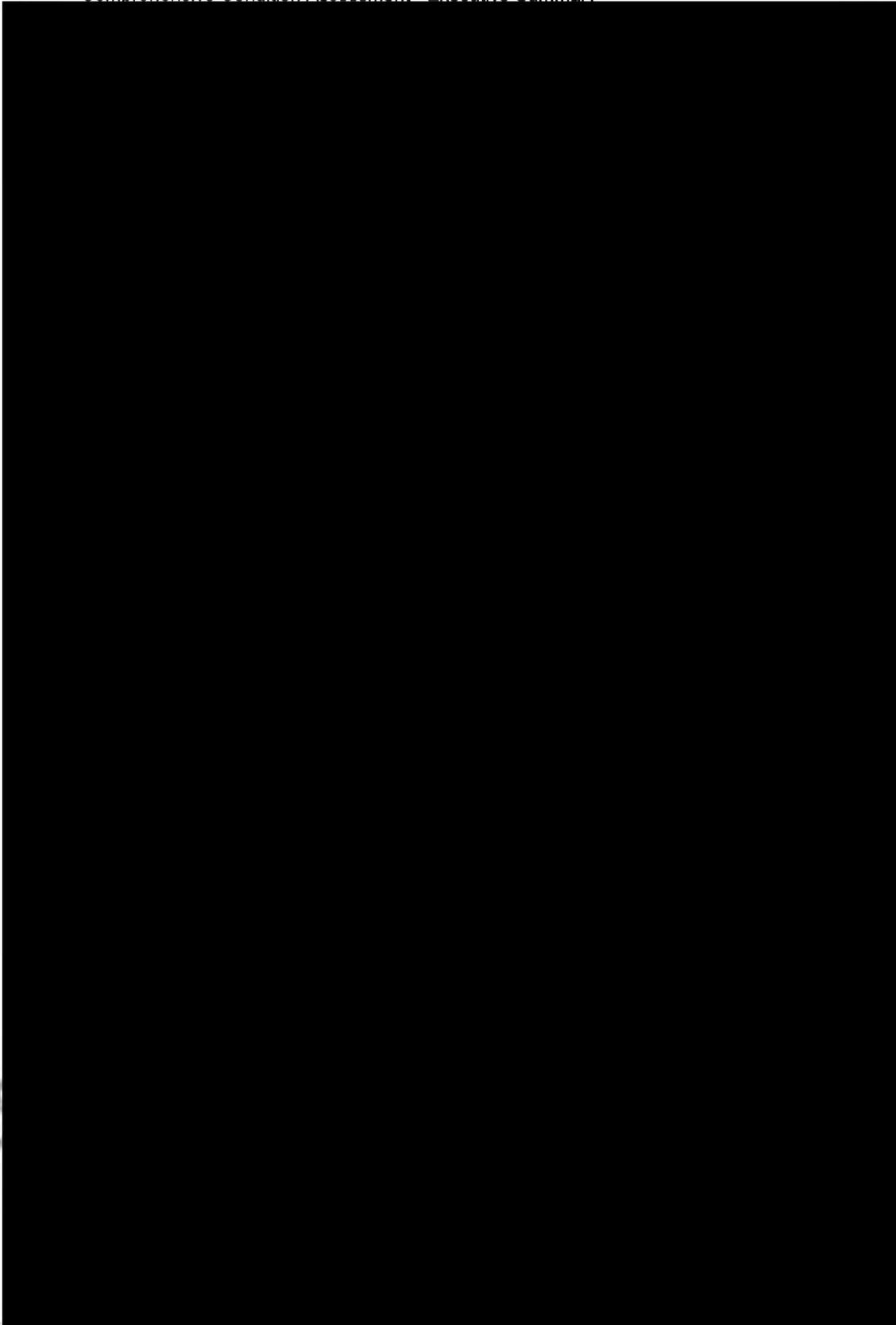




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

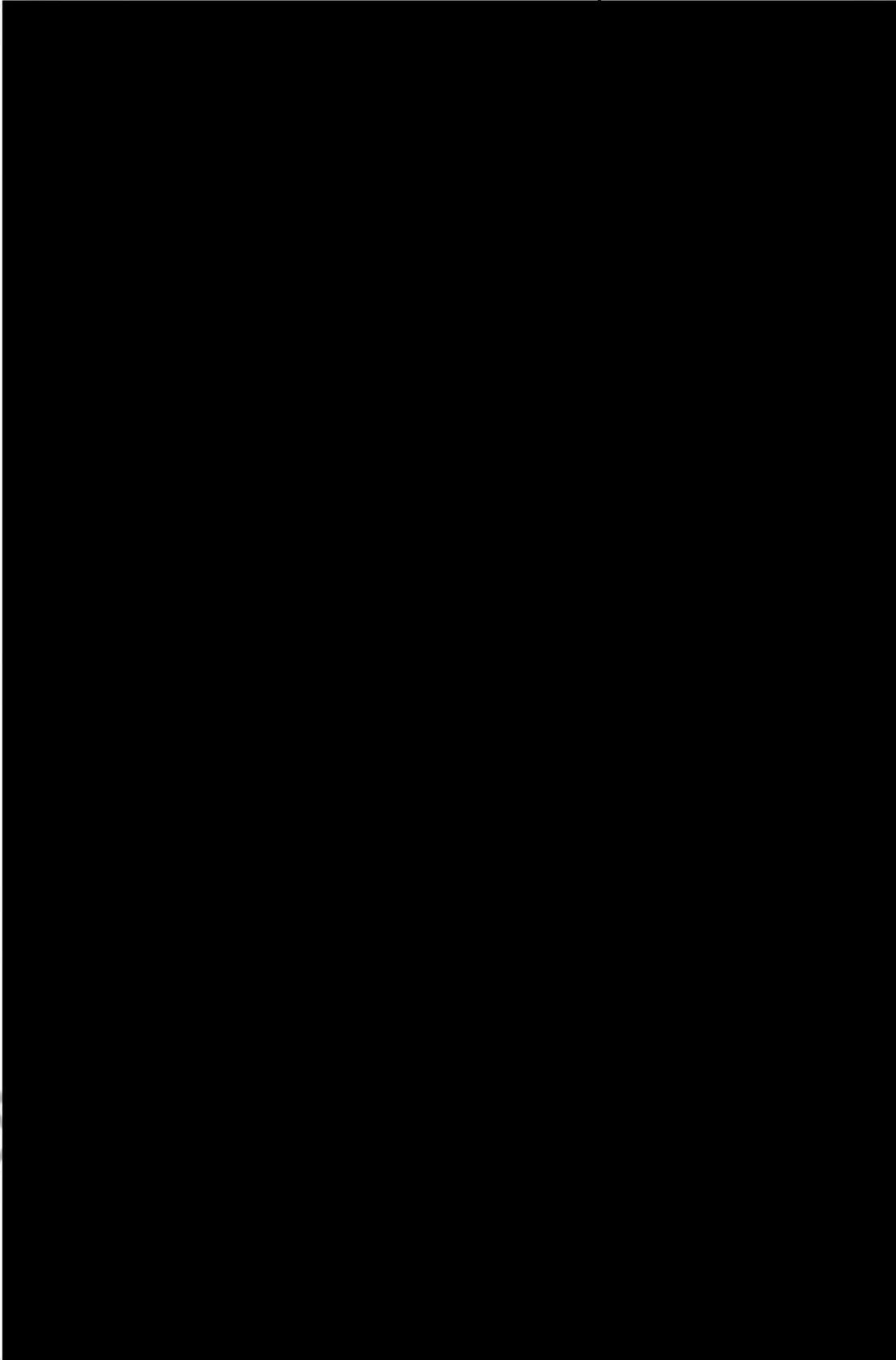




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

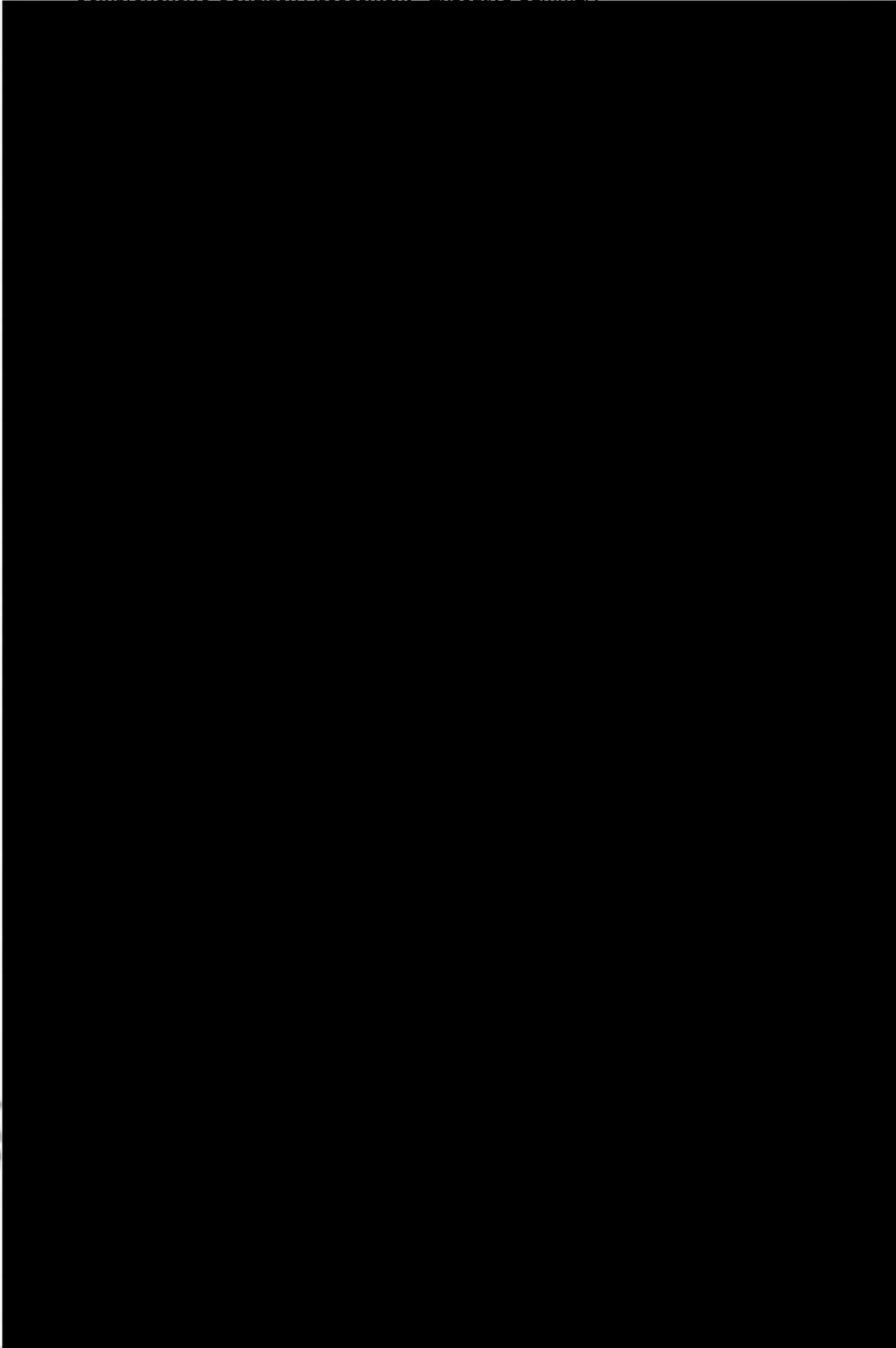




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

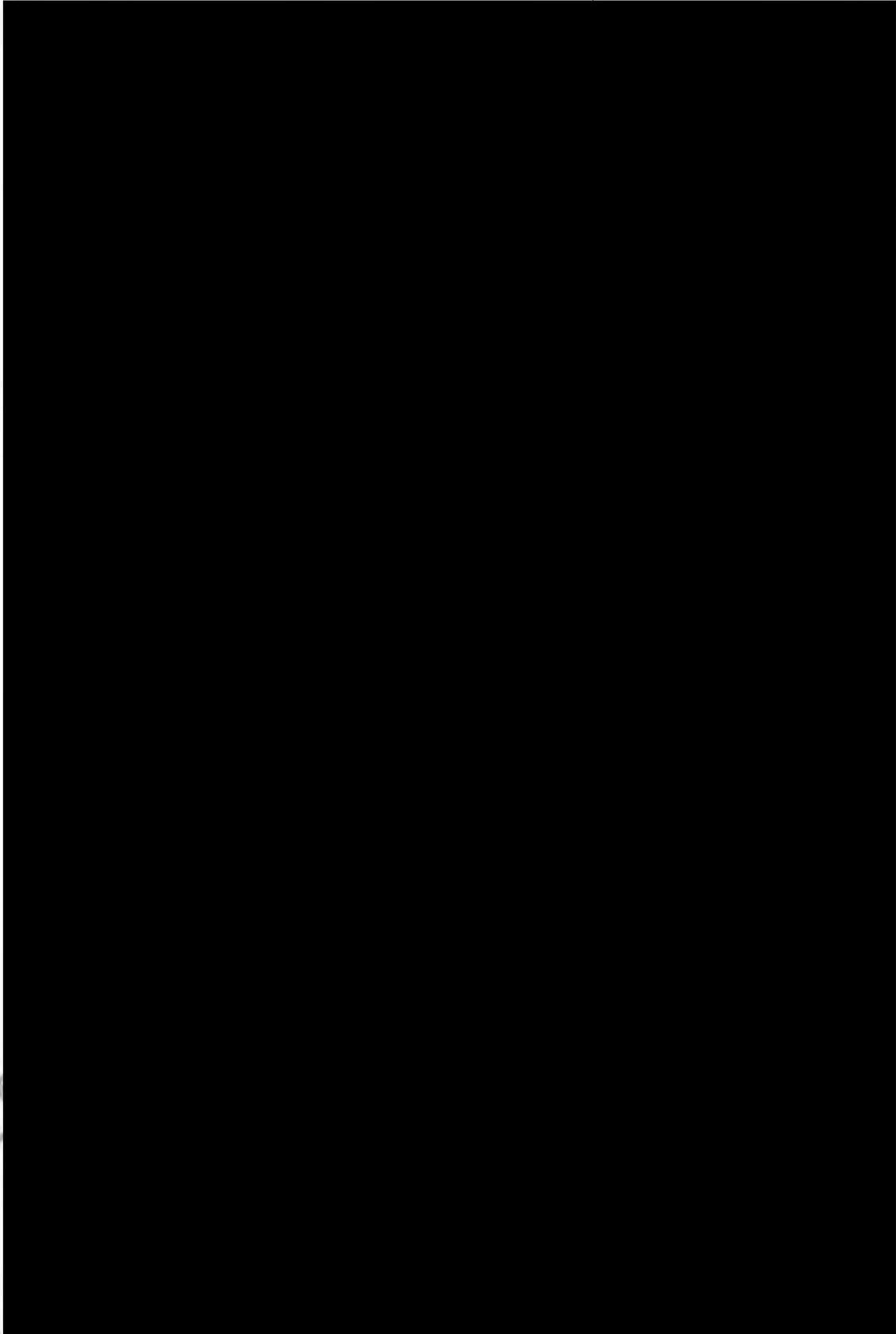




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary

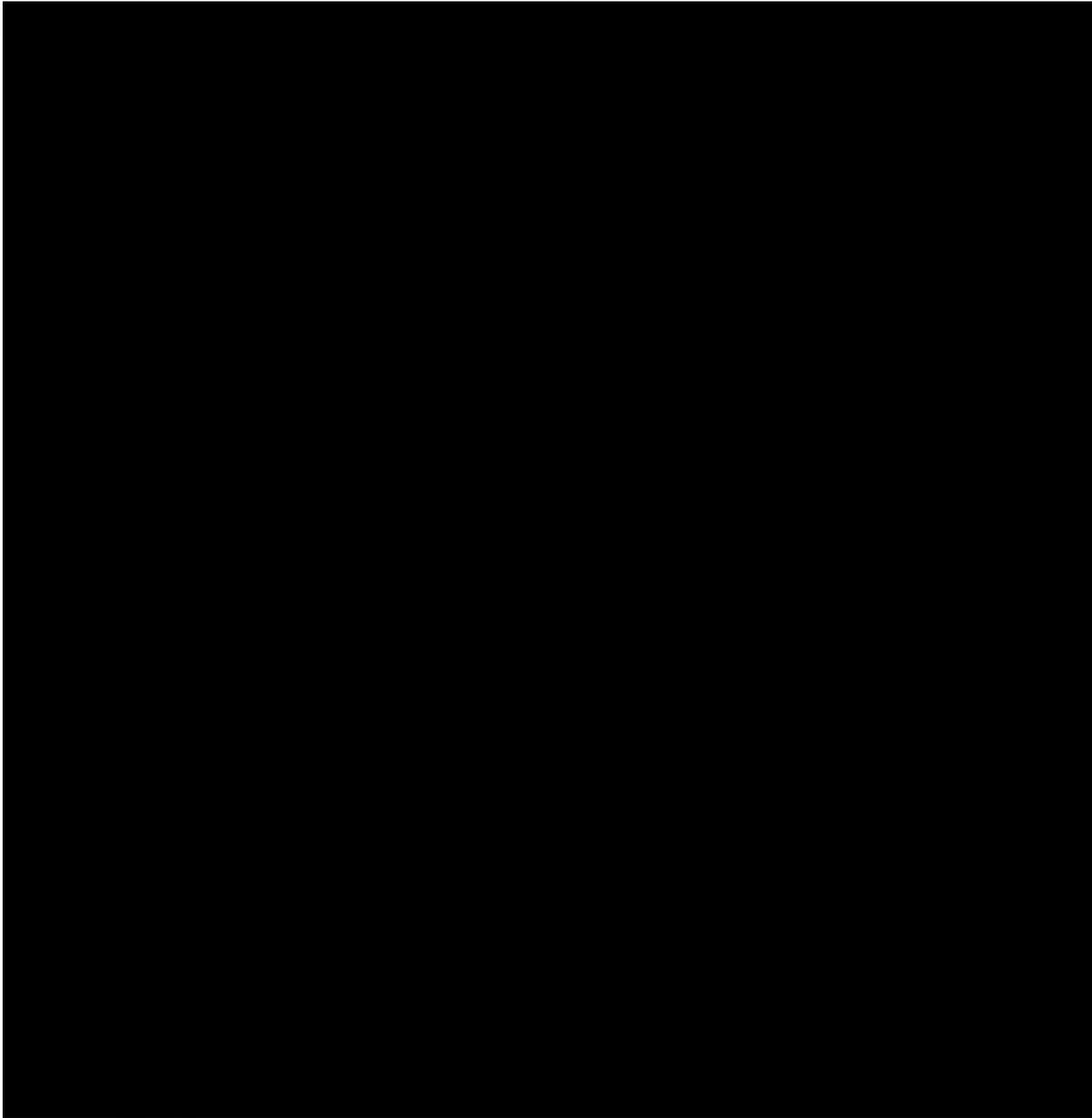




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

Comprehensive Condition Assessment - Executive Summary



Confidential

Tab

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**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road

Survey Date	FMSS Location	Location Type	Gross MI	D101 SF	Year Built
6/23/2011	61419	1100	0.6	N/A	1998



**Front View (Northwest)**



**Rear View (West)**

**Description:**

Fee Parking Loop Road

**Location Narrative:**

The Fee Parking Loop Road was constructed in 1998. The asphalt drive lanes are the key feature of Roadway. The heavy duty and once overlaid asphalt surface allows vehicles to traverse the Loop of approximately 0.6 miles, starting at 4 lane intake from the Mountain Access Road Westbound. Then there is an inner and outer loop, the outer being elevated to the north side and finally a 3 lane exit back to the Access Road. The solid Concrete curbing has profile of 6 inch by 6 inch and 24 inch wide gutter pans assemblies that define edge of roadway protect and form perimeter of Loop and the outer edge of Asphalt. Some filler is missing from the gap between the back of the curb and the edge of the sidewalk and should be renewed as part of water protection plan, as a means to hold down frost heave in the winter of wash down of fill otherwise. The standard Painted line markings on the asphalt surface delineate the travel lanes and provide side parking where indicated. The lines are satisfactory. The Standard Roadway signage both post mounted and wall mounted is for noting special features and regulations to drivers and is satisfactory and well maintained and is located at bus parking, standard parking and Handicap slots. Located at high side, eastern arc, the metal and wood post vehicle barrier provides safety protection against crashes. The four metal grates allow roadway surface run off water to enter the Concrete underground pipe away system located at low points of Loop, especially to the South West. One pipe line was followed that direction and found to have some wash out debris which should be removed.

Located at the vehicle allowed parking segments of the roadway, the 4 foot wide concrete sidewalk allows those who park there to walk to the Monument alongside the moving traffic of the Loop. Four sidewalk panels have been damaged from the weight of the tourist Buses and should be replace.

Heavy duty retaining walls required as the Loop is built on the side of hill, and the garages are partially underground where the walls are protection mostly the North Side, the High side.



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61419 Fee Parking Loop Road

Located at the "12 O'clock" position on the High Outer Loop Roadway, the two-lane Bridge spans over the Inner Loop where the cars can access either of the 2 Garages or the Busses can drive over the Bridge itself. The vehicles can stop on the Bridge and egress passengers at the start of the Memorial View Paver Path. The Bridge suffered from water infiltration problems and was rebuilt in 2004. Heavy duty abutment walls to the north and to the south support the Outer Loop Bridge. They are currently being monitored for movement, again related to earlier damage from water freezing and causing movement.

#### **ADA Accessibility:**

The Fee Parking Loop Road was assessed for full accessibility compliance based on the criteria in the ADAAG standards and American with Disabilities Act 2010 update. The following is a summary of the deficiencies noted during the assessment. Some deficiencies require follow-up including further inspection, study and design.

#### *In-Scope*

ADA Deficiencies included in the 20-Year Maintenance Plan include:

#### Exterior:

1. Re-stripe the west-side accessible RV parking stall to align with the curb ramps.
2. All accessible aisle spaces should be properly marked with cross-hatched striping.
3. Accessible signage should be located in front of each accessible parking stall per required height and visibility guidelines.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road

**Interior:**

There are no interior areas for this asset.

**Seismic:**

A seismic survey form was not completed for this asset.

**WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Uniformat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
G2010 - Roads								
G2010	61419-G2010-1	Metal Grates	32	LF	1998			
	61419-G2010-10	Concrete - Bridge Abutments	1728	SF	1998			
	61419-G2010-11	Metal - Barriers/Gates	80	LF	1998			
	61419-G2010-2	Concrete Curbing	1632	LF	1998			
	61419-G2010-3	Asphalt - Pavement	51224	SF	1998			
	61419-G2010-4	Paint - Marking and Signage	1	EA	1998			
	61419-G2010-5	Metal - Marking and Signage	52	EA	1998			
	61419-G2010-6	Metal and Wood - Guardrails and Barriers	505	LF	1998			
	61419-G2010-7	Concrete-Sidewalk	2240	SF	1998			
	61419-G2010-8	Concrete - Retaining Wall	8400	SF	1998			
	61419-G2010-9	Concrete- Bridge Decking	865	SF	1998			
Grand Total								

**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.

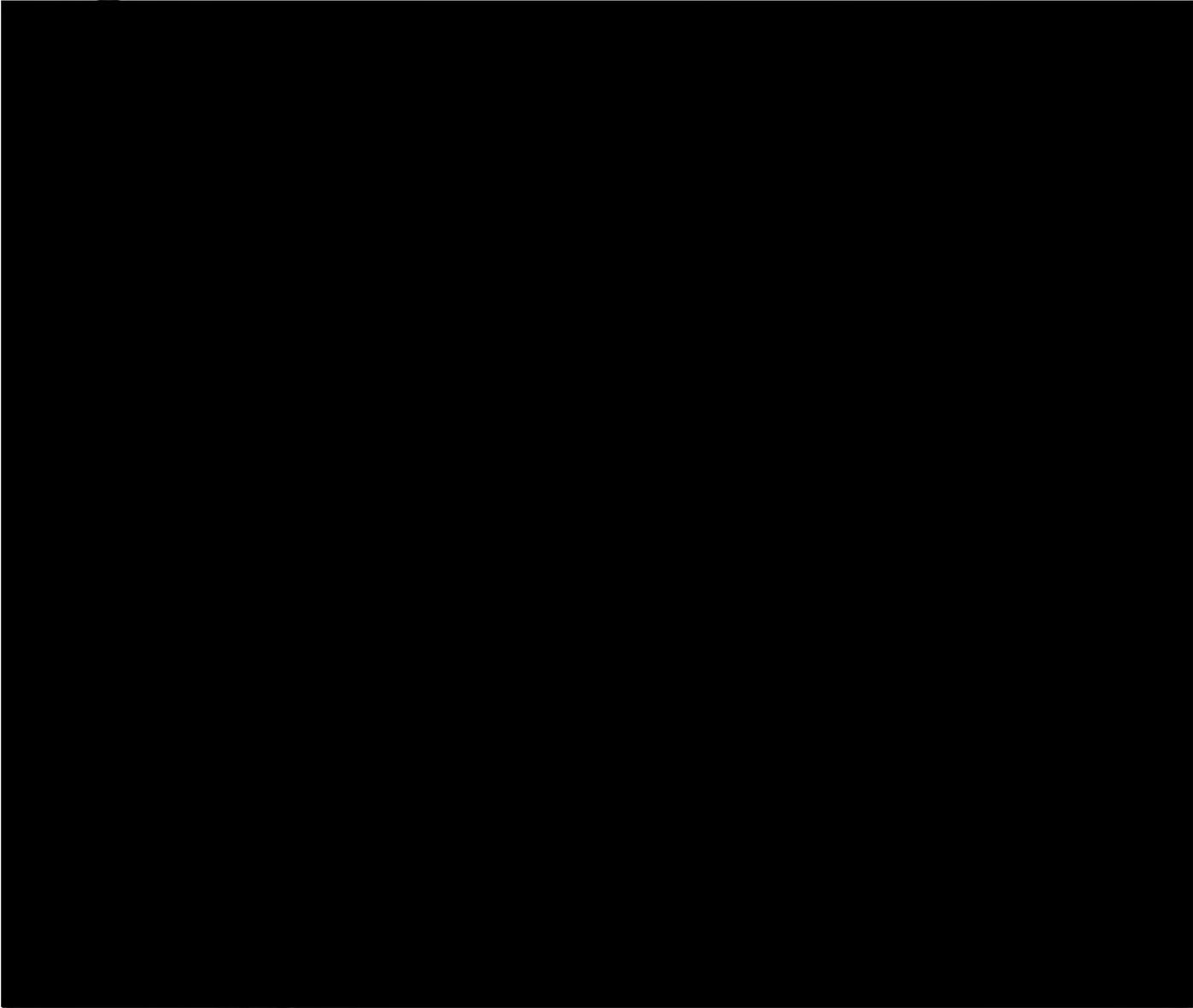
A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road



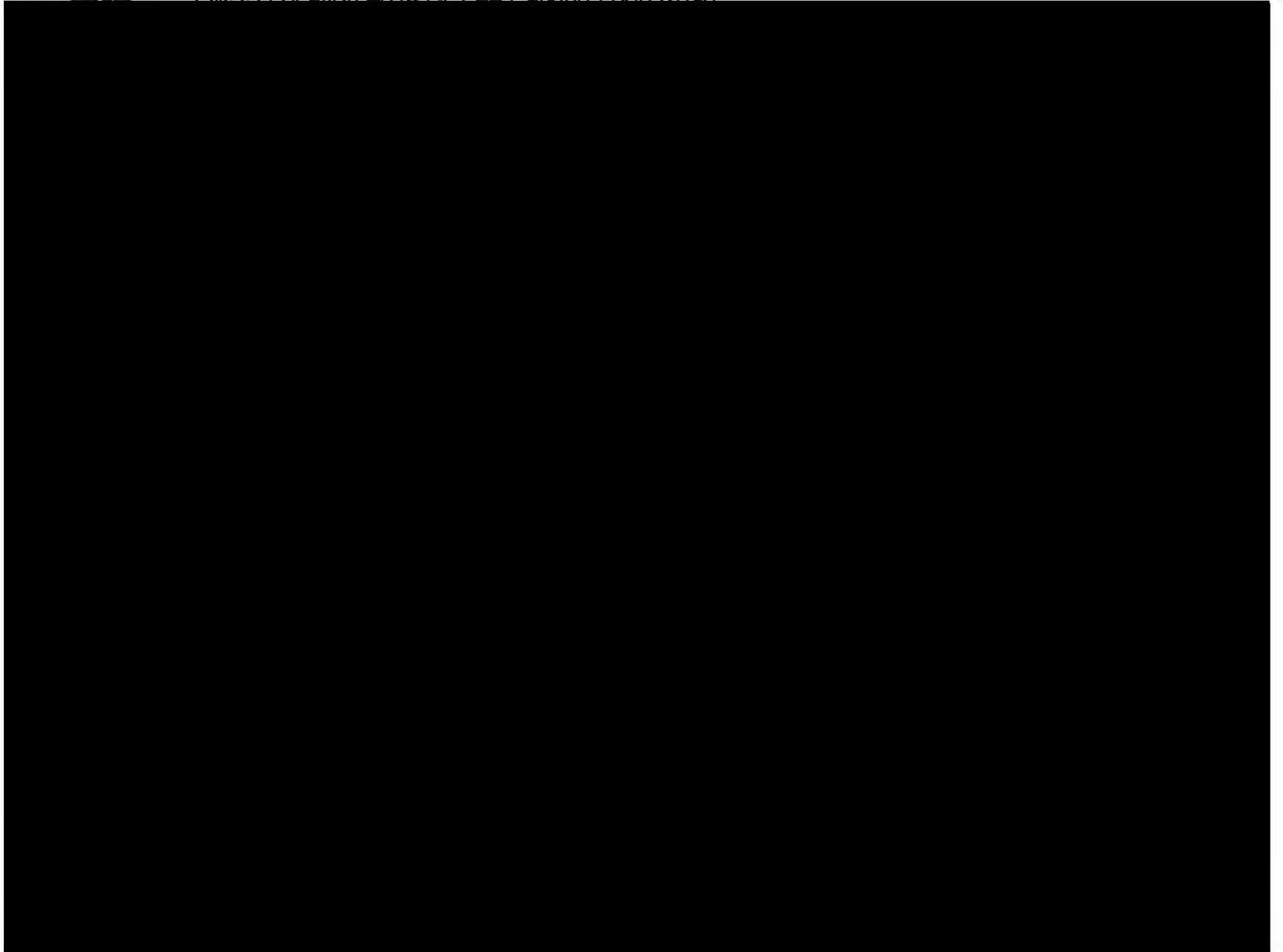
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National Park Service

Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

EMSS Location #61419, Fee Parking Loop Road



Deferred Maintenance (DM, CRDM, RMDM)	WBS Code	Critical Serious Minor	Detailed Description
CLEAN OUT BASIN/PIPE LINES			
2011	G2010	M-1 Minor	Clean out Southwestern one basin/pipe lines found with wash out dirt.
REPAIR CURB AND GUTTER DAMAGE			
2011	G2010	M-1 Minor	Repair or replace minor curb and gutter chip out and cracking, mostly caused by heavy vehicle striking.
REPAIR ASPHALT PAVEMENT			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road

2011	G2010	M-1 Minor	Repair alligator crackling at RV parking area at West side.	
REPAIR CONCRETE SIDEWALK				
2011	G2010	M-1 Minor	Replace 4 sidewalk panels cracked by heavy vehicles at Bus Parking.	
Grand Total				

Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description	
RESTRIPE RV PARKING STALL				
2011	G2010	M-1 Minor	Re-stripe the west-side accessible RV parking stall to align with the curb ramps. All accessible aisle spaces should be properly marked with cross-hatched striping (600 LF).	
INSTALL ACCESSIBLE SIGNAGE FOR PARKING				
2011	G2010	M-1 Minor	Install ADA accessible signage in front of each accessible parking space.	
Grand Total				

**Photos for Critical/Serious DM/CRDM/RMDM/LMAC or LMLS**

	
MORU002-61419-056. Repair asphalt pavement.	MORU002-61419-81. Repair concrete sidewalk panels.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road

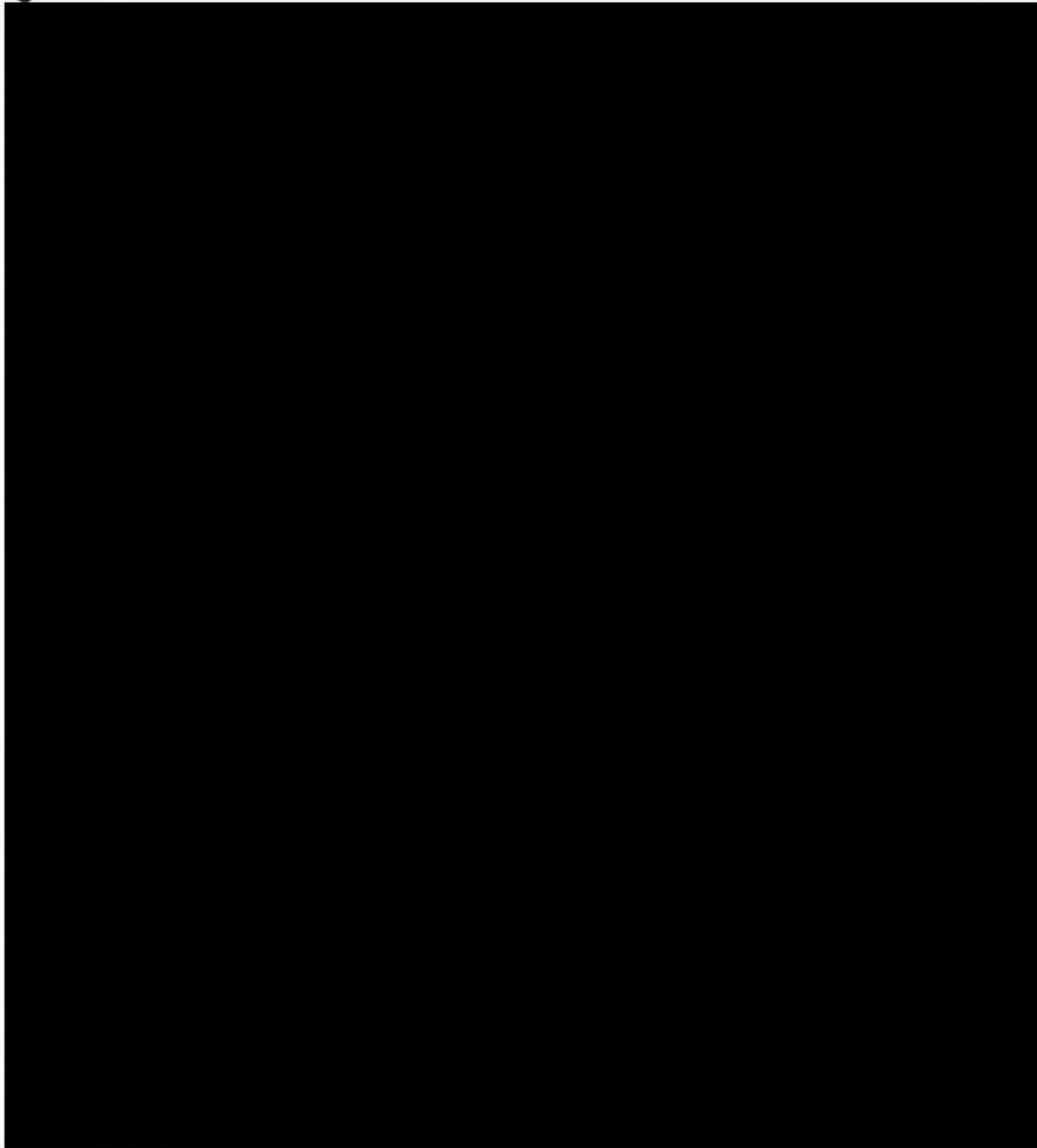
Annual Maintenance Tasks (2012-2031)				
Task				
<b>2014</b>				
RM - Recurring Maintenance				
Maintain Concrete Bridge Abutments				
Paint Metal Gates				
Maintain Asphalt Pavement				
Maintain Concrete Sidewalk				
Maintain Concrete Retaining Wall				
Maintain Concrete Bridge Decking				
Restripe Roadways and Side Parking				
2014 Total			\$11,402	



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61419 Fee Parking Loop Road



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**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

**FMSS Location #61423 Emergency Power Generating System**

Survey Date	FMSS Location	Location Type	Gross EA	D101 EA	Year Built
6/23/2011	61423	5400	1	1	1998



**Exterior View (North)**



**Interior View (Generator)**

**Description:**

Emergency Power Generating System

**Location Narrative:**

The emergency power generating system is housed in a mechanical room on the first floor of the parking structure and was constructed in 1998. The generator in this asset powers the lighting for the parking structures and the fee collection building. This generator is located in the Lincoln side of the structures on the ground floor in a room to the North side. The generator is functioning normally and is cycled regularly. The automatic transfer switch appears to be functioning normally also. There were no issues noted during the inventory.

**ADA Accessibility:**

ADA accessibility was not assessed for this asset.

**Seismic:**

A seismic survey was completed for the entire parking structure within which the Emergency Power Generating System is housed. Details of the seismic survey can be found on the G2 seismic narrative for the Parking Structure (Asset #61422).

**WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Uniformat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

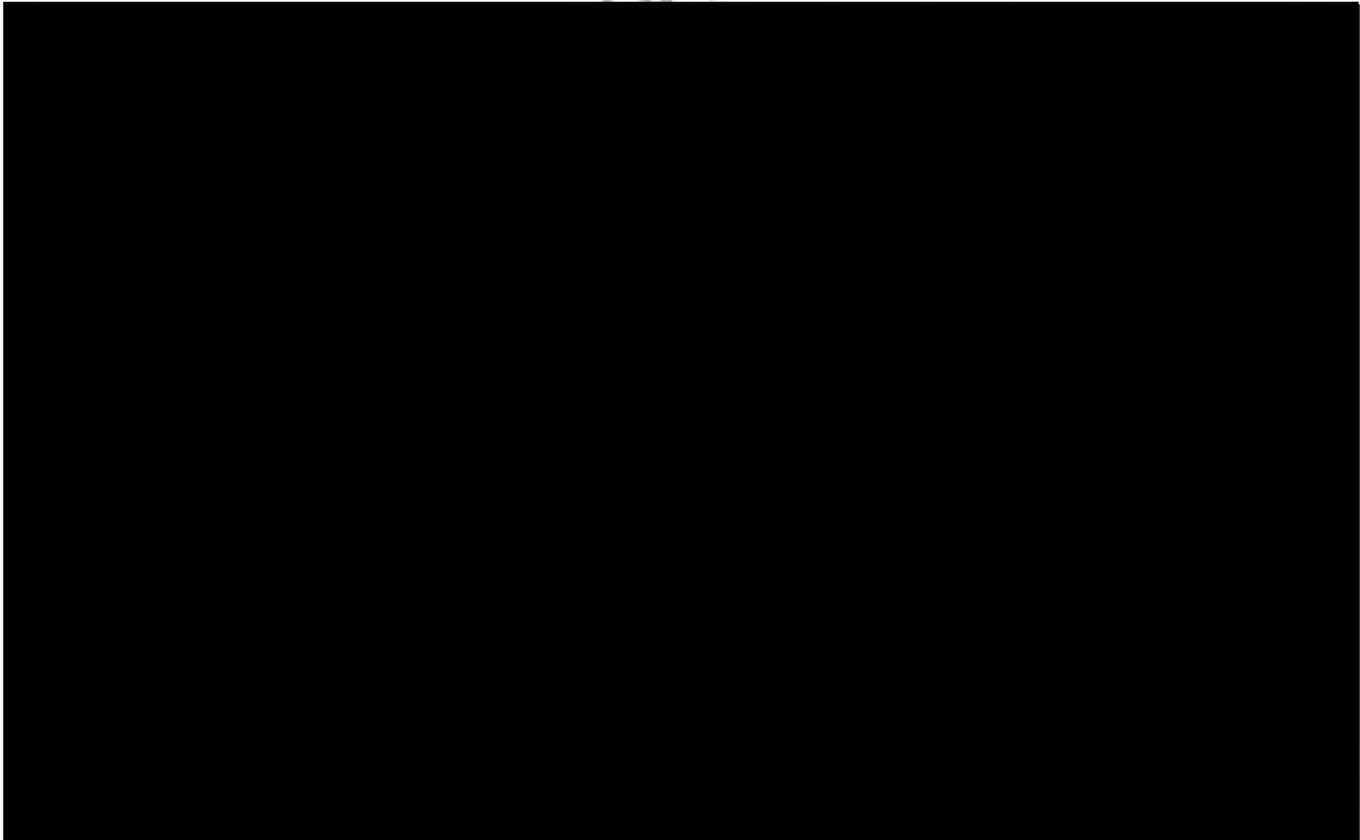
FMSS Location #61423 Emergency Power Generating System

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
G4010-Electrical System								
G4010	61423-D5010-2	Transfer Switch - Automatic (480 volt, 3 pole)	1	EA	1998			
	61423-G4010-1	Insulated (Stainless Steel) - Ductwork	1	EA	1998			
	61423-G4010-3	Propane System Piping	1	EA	1998			
	61423-G4010-5	Electric Unit Heater	1	EA	1998			
G4090	61423-G4010-4	LPG - Generator Set	1	EA	1998			
Grand Total								

**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.

[REDACTED] A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.

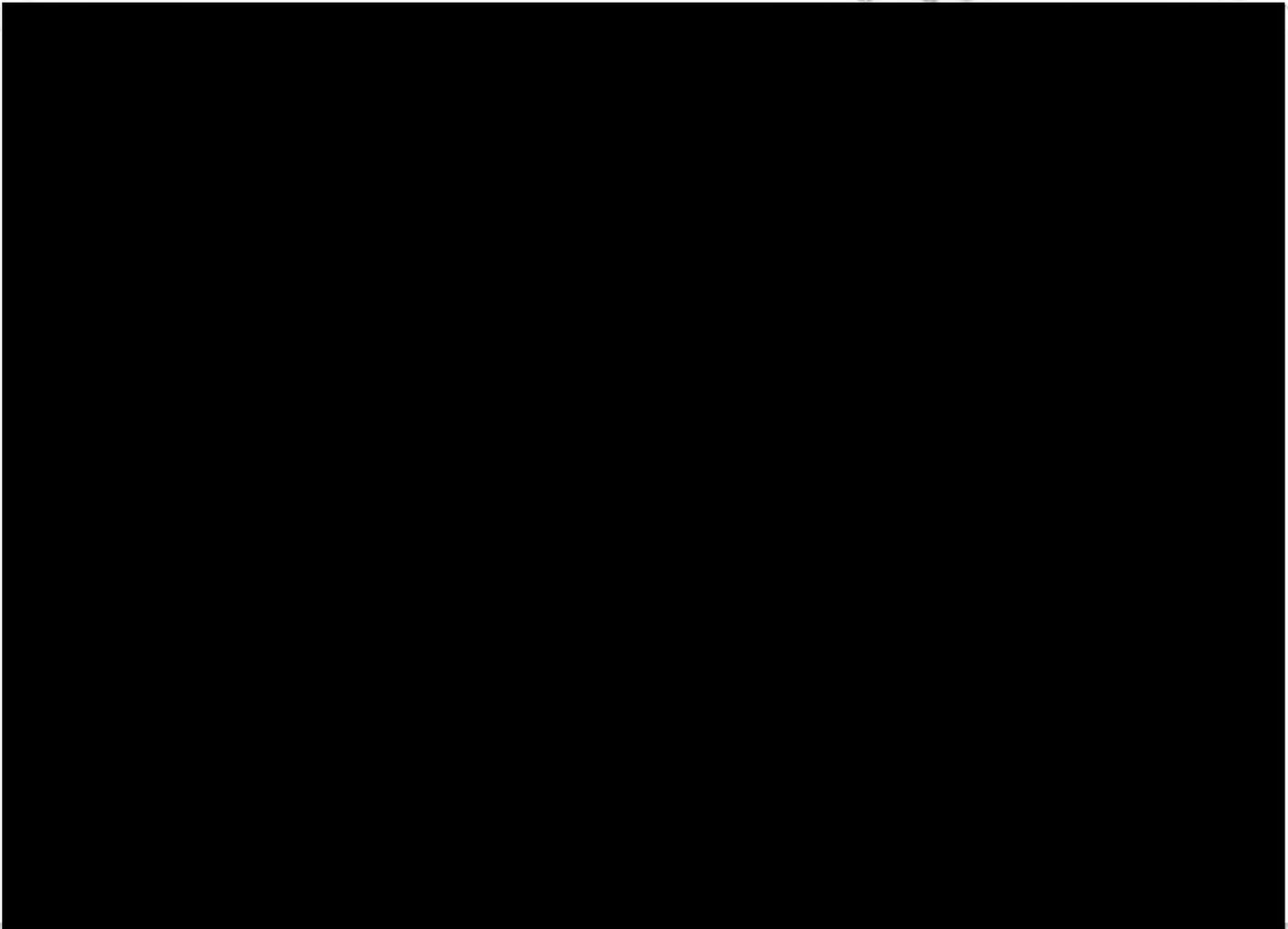
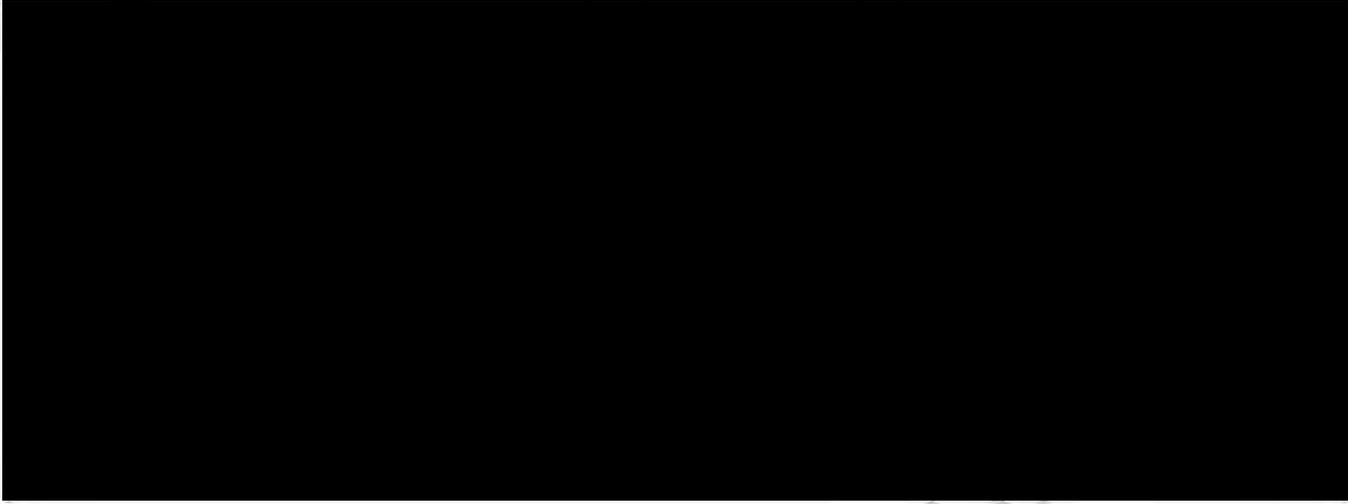




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61423 Emergency Power Generating System





**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61423 Emergency Power Generating System

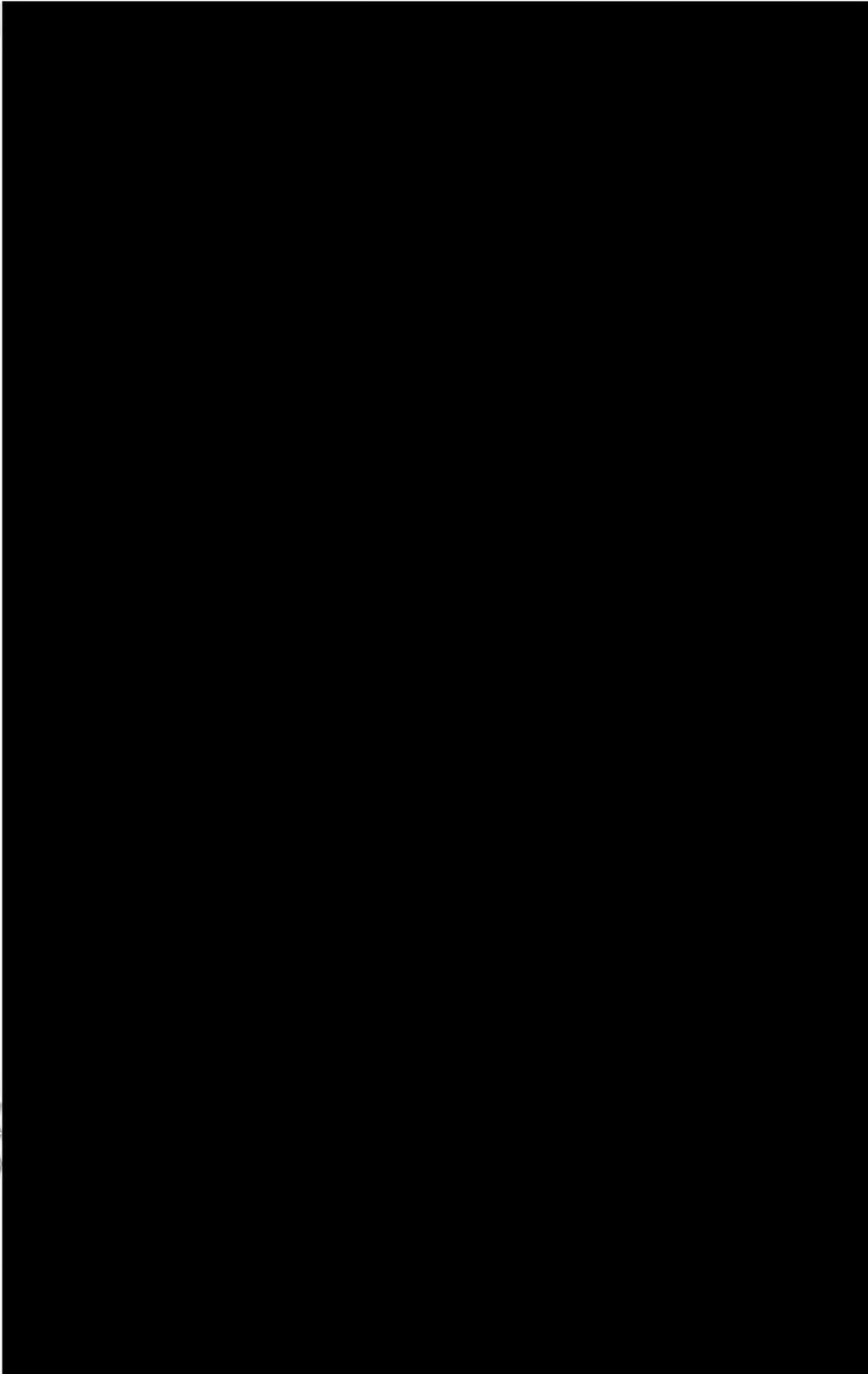
Annual Maintenance Tasks (2012-2031)			
Task			
2012			
PM - Preventive Maintenance			
Maintain Transfer Switch			
Maintain Generator Set			
Maintain Electric Unit Heater			
2012 Total			
2013			
PM - Preventive Maintenance			
Maintain Transfer Switch			
Maintain Generator Set			
Maintain Electric Unit Heater			
2013 Total			
2014			
PM - Preventive Maintenance			
Maintain Transfer Switch			
Maintain Generator Set			
Maintain Electric Unit Heater			
2014 Total			
2015			
PM - Preventive Maintenance			
Maintain Transfer Switch			
Maintain Generator Set			
Maintain Electric Unit Heater			
2015 Total			
2016			
PM - Preventive Maintenance			
Maintain Transfer Switch			
Maintain Generator Set			
Maintain Electric Unit Heater			
2016 Total			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61423 Emergency Power Generating System

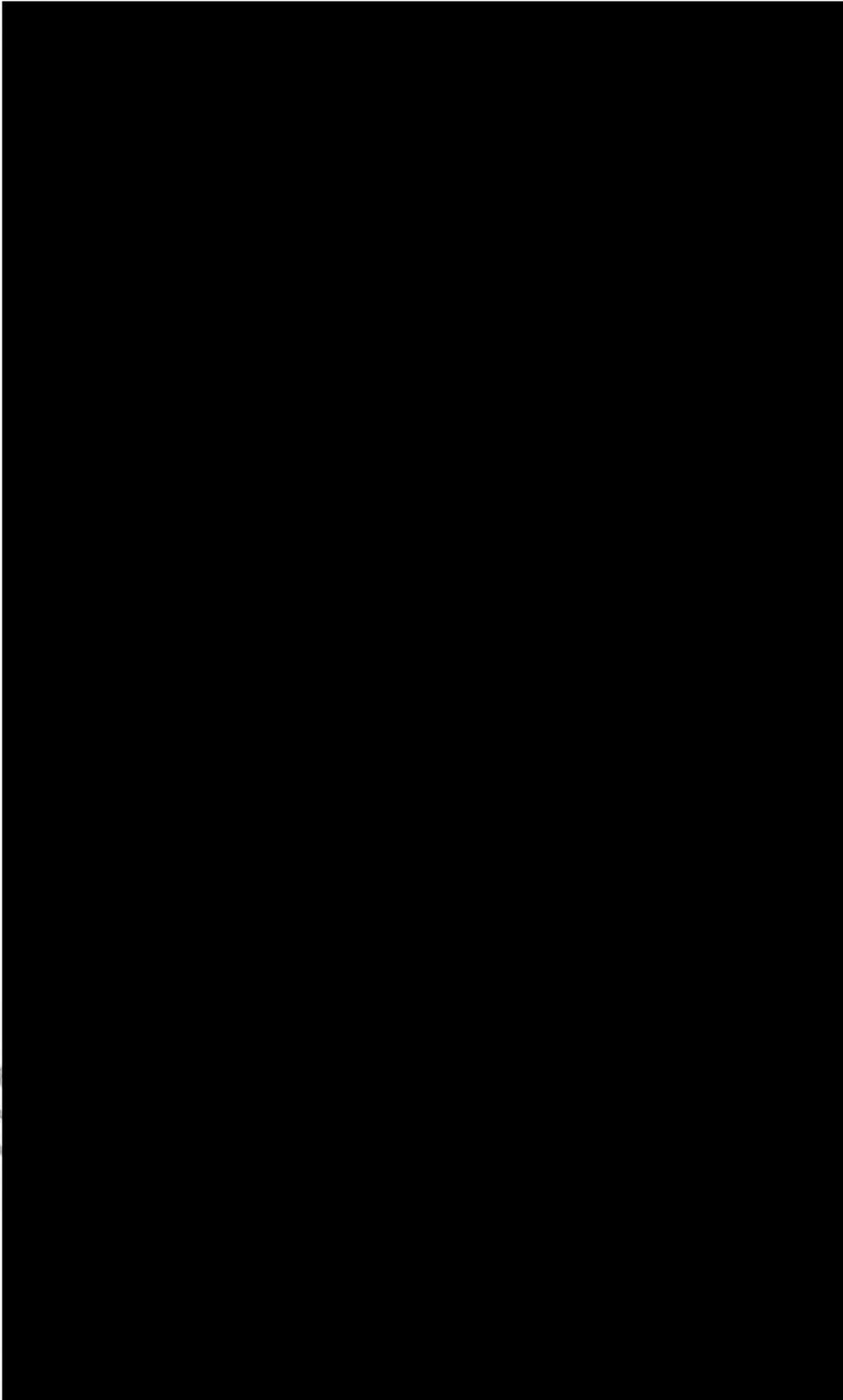




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61423 Emergency Power Generating System

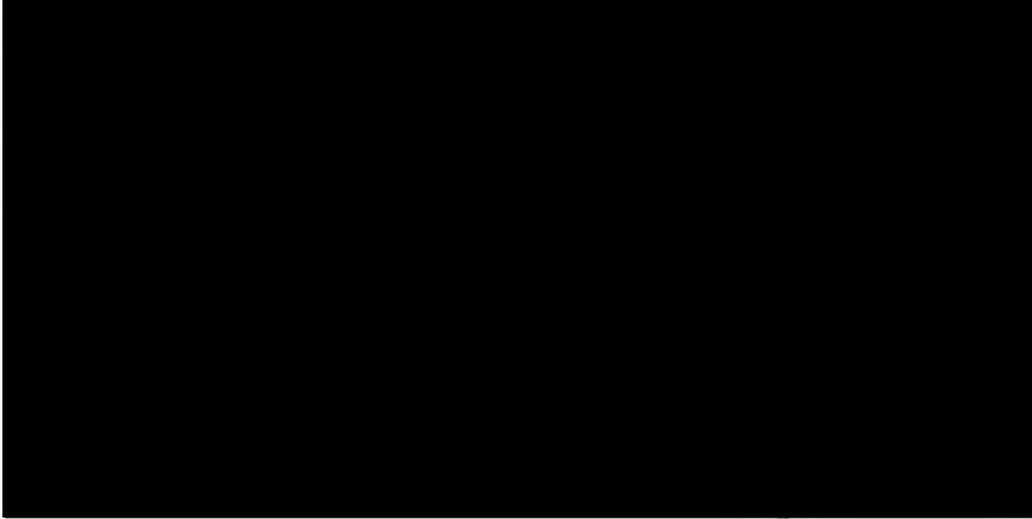




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

**FMSS Location #61423 Emergency Power Generating System**



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Tab

#4



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

**FMSS Location #61422 Parking Structure**

Survey Date	FMSS Location	Location Type	Gross SF	D101 SF	Year Built
6/23/2011	61422	4100	458,000	458,000	1997



**Front View (Northwest)**



**Rear View (South)**

**Description:**

Parking Structure

**Location Narrative:**

The parking structure was built in 1997. Built under each column is concrete drilled pier for bearing to rock with an estimated depth of 20 feet. Poured on top of the pile caps and with Grade Beams, the Concrete Slab on grade is Structurally Reinforced with steel bar. All heavy foundation work appears to be satisfactory based on visual observation at the time of the assessment although there has been some repair and rework which should be inspected and tested as needed to verify integrity of both repaired and non-repaired areas.

Poured on top of the Grade Beams/Pile Caps the reinforced cast in place concrete basement walls support the exterior walls through the floors and to the roof. The west walls of the South Structure were drilled and waterproofed in 2004 due to the inability of the original construction to resist environmental conditions. All cast in place foundation wall work appears to be satisfactory based on visual observations at the time of the assessment although there has been some repair and rework which should be inspected and tested as needed to verify integrity of both repaired and non-repaired areas.

There are two lower level ramps each at the south sides of the two parking structures. The south ramp of the west structure was removed and replaced in 2004 due to the inability of the original construction to resist environmental conditions. All cast in place concrete ramp work appears to be satisfactory based on visual observation at the time of the assessment although there has been some repair and rework which should be inspected and tested as needed to verify integrity of both repaired and non-repaired areas.

The middle and upper levels of both parking garages are post tensioned cast in place concrete. Inspect and test as needed to verify integrity of both repaired and non-repaired areas. Such inspection should focus on cable strength and crack/water infiltration control.

The 12-inch thick concrete cast in place walls are heavily reinforced and support the poured in place and post tensioned middle and upper decks at both Garages. All cast in place concrete wall work appears to be satisfactory based on visual observation at the time of the assessment although there has been some repair and rework which



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

#### FMSS Location #61422 Parking Structure

should be inspected and tested as needed to verify integrity of both repaired and non-repaired areas. There are four wall elevations covered by Cast in Place Planter Boxes. The Elevator Shaft Walls are granite covered veneer. There are two metal 3/0 doors for each Elevator Machine Room and one pair of 3/0 doors for each Mechanical/Electrical room per garage.

The roofing membrane is 60 gauge Carlisle Rubber EPDM and is fully covered by gravel ballast, for excellent hold down and UV ray protection over the Elevator Shafts.

There is one concrete staircase for each garage. The west garage staircase is located in the northeast corner and the east garage staircase is located in the northwest corner. Each stair tread is cast in place concrete with metal nosing insert and with railings on both sides. At West Garage col A-12 was rebuilt in 2008. All cast in place concrete stair work appears to be satisfactory based on visual observation at the time of the assessment although there has been some repair and rework which should be inspected and tested as needed to verify integrity of both repaired and non-repaired areas.

The electrical system for this building consists of the emergency generator feeding the structure and the fee booth, the lighting and wiring associated with the above. The generator appears to be functioning normally and is cycled/ tested periodically to ensure proper operation. The generator exhaust stack exits the ground in the vicinity of the dog walk area and the potential for injury to park guests exists due to no stand-off area around the stack. It is recommended there be a stand-off area to prevent such occurrences. The lighting is primarily HID type fixtures. There were several fixtures not lit during the inspection (less than 4 per structure). There are also pathway lighting at the stairwells and elevator lobby areas. These were all functioning normally. The upper areas of the structure have pole mounted lights. These were not lit during the inventory due to the bright sunny days. It is assumed they are all functioning normally and no defects were noted or mentioned during the visit.

The mechanical systems for this asset consist of the exhaust and minimal ductwork associated. These fans are located in each of the maintenance rooms and elevator machine rooms. They appear to be functioning normally and no defects were noted.

The plumbing systems are small. They consist of the drain lines from the upper floors and the irrigation piping for the suspended planting beds. The planting beds are PVC in construction and are in good condition. The irrigation is shut-off and drained for the winter season to prevent rupture. The drain piping is in good condition and is insulated and heat trace tape is present. No issues were noted. There is a fire standpipe system in case of emergency. This is not a sprinkler, but a way for the fire department to connect to reach any potential fire within the structure. There are connections at each level and in several locations within each level. This is a normally dry system to prevent freeze issues.

There are typical 4-inch wide white painted parking spot delineations, one coat, for 2400 parking space lines. Each Air Shaft Opening is wrapped by metal railing. At the East Garage, water entered the tubular railing, froze, expanded and bubbled out the metal. There are typical metal traffic signs and interior garage vehicle safety and directional signage throughout the garages.

#### **ADA Accessibility:**

The parking structure was assessed for full accessibility compliance based on the criteria in the ADAAG standards and American with Disabilities Act 2010 update. The following is a summary of the deficiencies noted during the assessment. Some deficiencies require follow-up including further inspection, study and design.

#### *In-Scope*

ADA Deficiencies included in the 20-Year Maintenance Plan include:



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

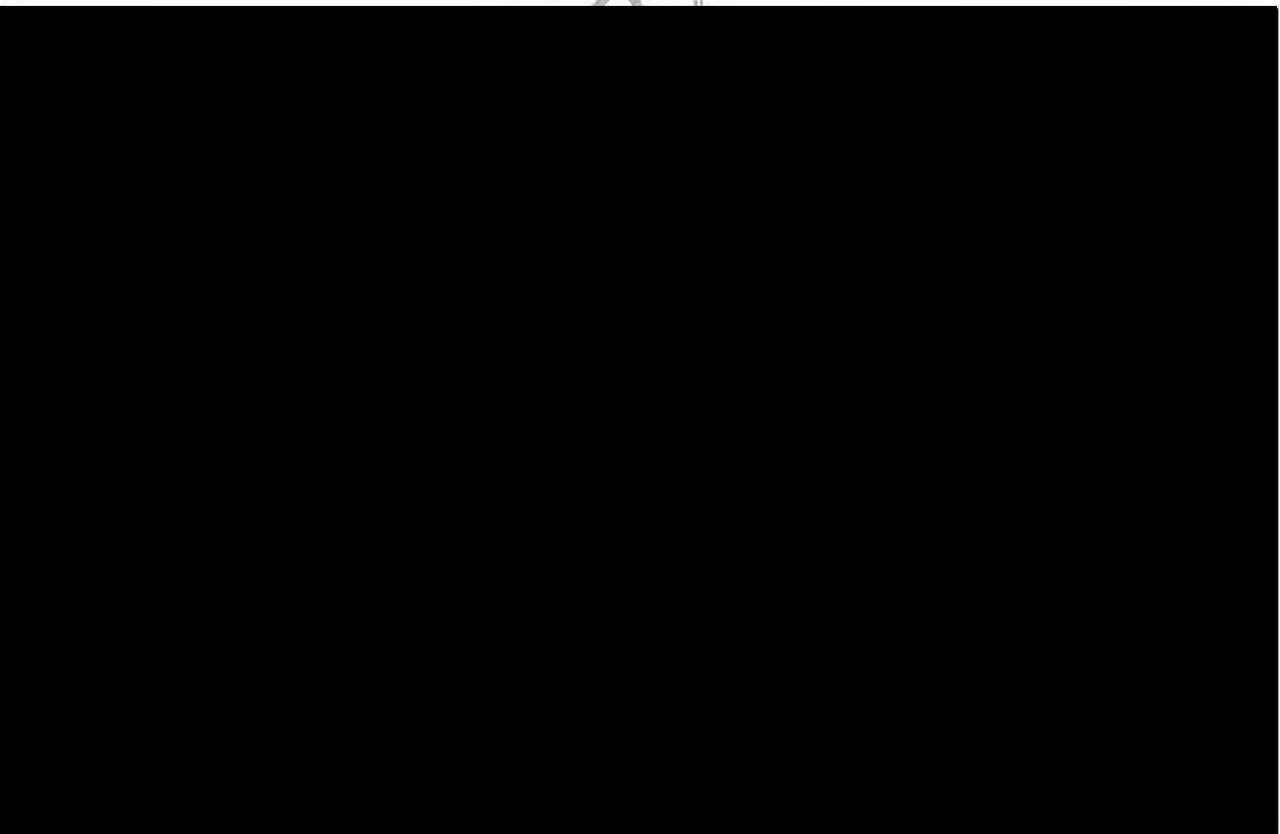
#### FMSS Location #61422 Parking Structure

##### Exterior:

1. The requirement for the height of a handrail above a ramp is between 34" and 38". The rail heights at the upper level parking structure Washington ramp (connecting to the landscape area) varies between 32" and 34".

##### Interior:

1. The self-leveling feature at the third level Lincoln parking structure elevator was not functioning and the threshold rise measured at 1" high. It appeared that the deficiency was repaired during the site visit; however the repair of this should be confirmed to ensure that this is not an on-going operational issue.
2. The 3<sup>rd</sup> level elevators at both the Washington and Lincoln parking structures do not have the required visual signal located above the elevator to indicate whether a call has been requested or when a car is arriving.
3. Directional signage is not provided in the Parking Structures to direct visitors towards an accessible path of travel. Specifically, the walkway leading to the landscape areas on the 2<sup>nd</sup> level that are near the accessible stalls should direct disabled visitors towards the elevators since the landscape areas are not accessible to the main plaza area. Directional signage should be provided on the 3<sup>rd</sup> level of the Washington and Lincoln parking garages towards the accessible ramps that connect to the main plaza.
4. The accessible parking spaces are not consistently 96" wide. At the upper level Washington parking structure, parking stalls vary between 93" and 95" wide.
5. The accessible aisle widths are not consistently 60" wide. At the upper level Washington parking structure, access aisles vary between 52" and 55" wide.





**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure



**Seismic:**

The Parking Structure is a Type I concrete and masonry structure with precast wall panels and a concrete slab-on-grade foundation. The parking structure is a tiered three story structure. There appeared to be several areas within the Parking Structure that exhibited spalling, cracking, exposed re-bar, and other evidence of stress that strongly suggest further evaluation should be conducted by design experts to determine if the structures are exhibiting any detrimental fatigue. This parking structure has a seismic score of 4.4.

**WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Uniformat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
A10 - Foundation - Building								
A1020	61422-A1020-1	Concrete - Drilled Pier	21252	SF	1997			
A1030	61422-A1030-1	Concrete - Slab On-Grade	152666	SF	1997			
A20 - Basement - Building								
A2020	61422-A2020-1	Concrete - Cast in Place	18000	SF	1997			
B10 - Superstructure - Building								
B1010	61422-B1010-1	Concrete - Exterior Ramp	22500	SF	1997			
	61422-B1010-2	Concrete-Post Tensioned Deck	305333	SF	1997			
B1020	61422-B1020-1	Concrete - Cast in Place	450	SF	1997			
B20 - Exterior - Building								
B2010	61422-B2010-1	Concrete - Cast in Place	72000	SF	1997			
	61422-B2010-2	Masonry - Granite Veneer	4800	SF	1997			
	61422-B2010-3	Concrete Columns - Cast in Place	2400	SF	1997			
B2030	61422-B2030-1	Metal - Personnel	5	EA	1997			
B30 - Roofing - Building								



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

**FMSS Location #61422 Parking Structure**

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
B3010	61422-B3010-1	EPDM - Single Ply w/Ballast	450	SF	1997			
C20 - Stairs - Building								
C2010	61422-C2010-1	Concrete - Steps - Exterior Stair/Step	300	SF	1997			
D10 - Conveying - Building								
D1010	61422-D1010-1	Hydraulic Passenger - 3 Stops	1	EA	1997			
	61422-D1010-2	Hydraulic Passenger - 3 Stops	1	EA	1997			
D20 - Plumbing - Building								
D2030	61422-D2030-1	Cast Iron - Waste Piping, 6"	1	EA	1997			
D2090	61422-D2090-1	CPVC - 1"-2" Pipe - Piping (Specialty)	1	EA	1997			
D30 - HVAC - Building								
D3040	61422-D3040-1	Exhaust - General	3	EA	1997			
D3050	61422-D3050-1	Unit Heater - Electric 750-1250 Watts	4	EA	1997			
D40 - Fire Protection System - Building								
D4020	61422-D4020-1	Upfeed - N/A	1	EA	1997			
D50 - Electrical - Building								
D5010	61422-D5010-1	N/A - 100-200HP - Motor Control Center	1	EA	1997			
	61422-D5010-2	Panelboard - 100-200 AMP	1	EA	1997			
	61422-D5010-3	Panelboard - 100-200 AMP	1	EA	1997			
	61422-D5010-4	Panelboard - 200-400 AMP	1	EA	1997			
	61422-D5010-5	Panelboard - 100-200 AMP	1	EA	1997			
	61422-D5010-6	Panelboard - 100-200 AMP	1	EA	1997			
	61422-D5010-7	Panelboard - 200-400 AMP	1	EA	1997			
	61422-D5010-8	Dry Type/Three Phase - 480V P-120/208V S(9-45KVA) - Transformers	1	EA	1997			
	61422-D5010-9	Unknown - Distribution	1	EA	1997			
D5020	61422-D5020-1	High Intensity Discharge - Exterior - Lighting Fixtures	221	EA	1997			
	61422-D5020-10	High Intensity Discharge - Exterior - Lighting Fixtures	58	EA	1997			
	61422-D5020-11	High Intensity Discharge - Exterior - Lighting Fixtures	6	EA	1997			
	61422-D5020-2	High Intensity Discharge - Exterior - Lighting Fixtures	16	EA	1997			
	61422-D5020-3	High Intensity Discharge - Exterior - Lighting Fixtures	38	EA	1997			
	61422-D5020-4	Incandescent - Exterior -	34	EA	1997			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
		Lighting Fixtures						
	61422-D5020-5	Incandescent - Interior - Lighting Fixtures	17	EA	1997			
	61422-D5020-6	High Intensity Discharge - Exterior - Lighting Fixtures	18	EA	1997			
	61422-D5020-7	High Intensity Discharge - Exterior - Lighting Fixtures	8	EA	1997			
	61422-D5020-8	High Intensity Discharge - Exterior - Lighting Fixtures	9	EA	1997			
	61422-D5020-9	High Intensity Discharge - Exterior - Lighting Fixtures	7	EA	1997			
D5090	61422-D5090-1	Exit - Exterior - Lighting Fixtures	6	EA	1997			
F10 - Special Feature - Building								
F1010	61422-F1010-1	Paint -Marking & Signage	1	EA	1997			
	61422-F1010-2	Metal-Railings	1	EA	1997			
	61422-F1010-3	Metal-Signage	331	EA	1997			
Grand Total								

**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.

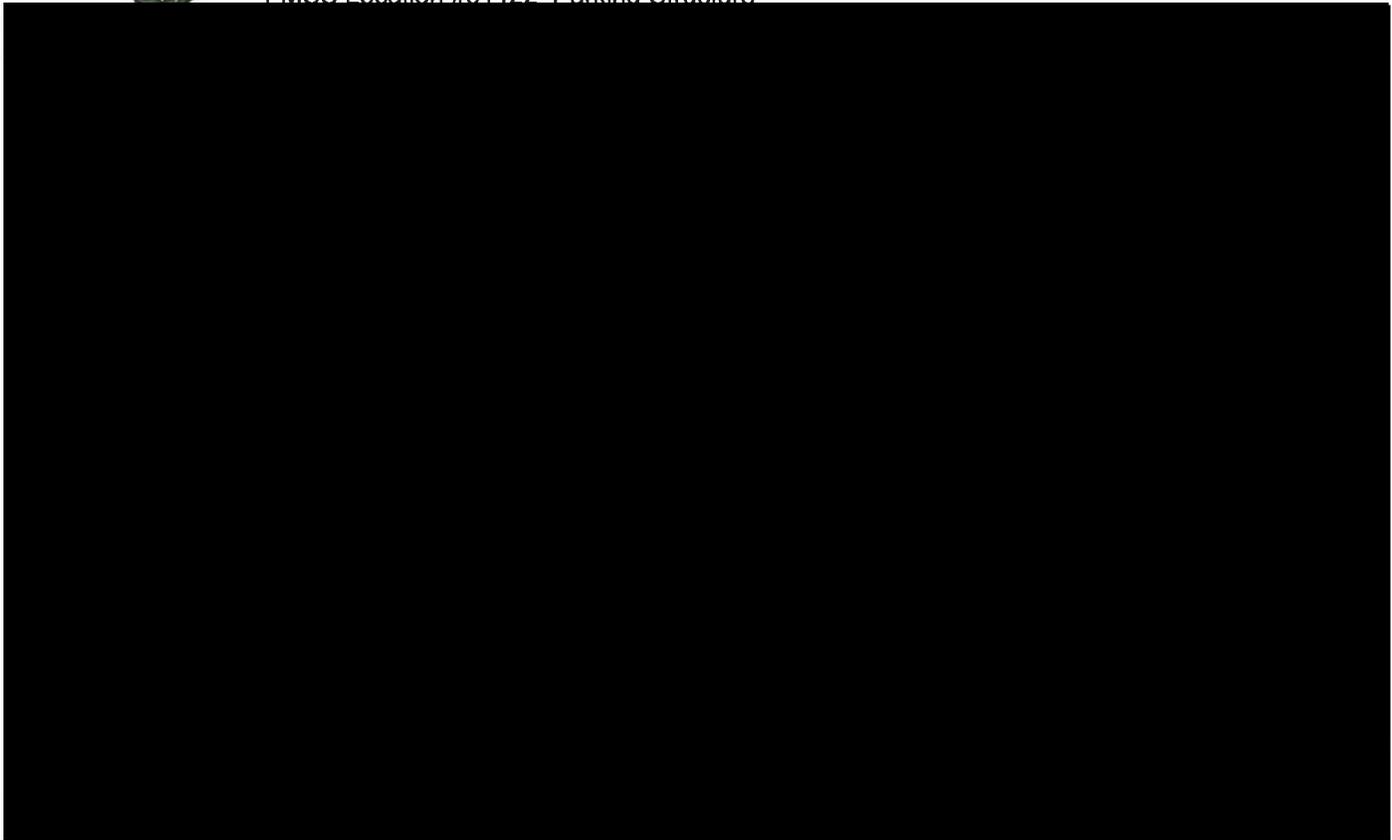
A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

EMSS Location #61422 Parking Structure



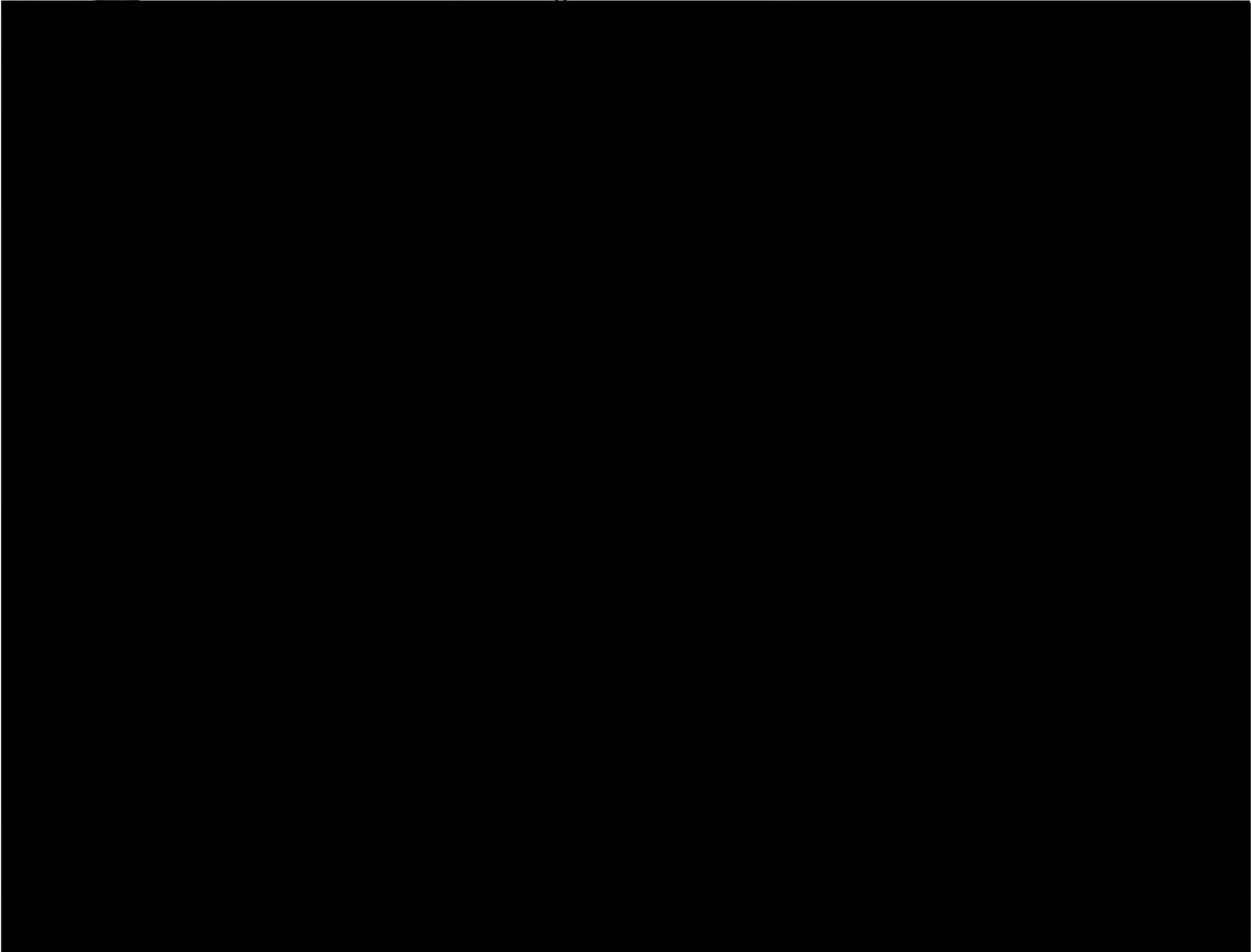
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Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61422 Parking Structure



Deferred Maintenance (DM, CRDM, RMDM)	WBS Code	Critical Serious Minor	Detailed Description	
REPAIR WATER DAMAGE TO COLUMN D24				
2011	B2010	S-5 Serious	Search and secure source of water leaks at middle level, north wall West Garage. At East Garage, rebuild col D24 at Mid-Level.	
Grand Total				



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description
<b>INSTALL DIRECTIONAL ADA SIGNAGE</b>			
2011	B2010	M-1 Minor	Install directional signage in the Parking Structures to direct visitors towards an accessible path of travel. Specifically, the walkway leading to the landscape areas on the 2nd level that are near the accessible stalls should direct disabled visitors towards the elevators since the landscape areas are not accessible to the main plaza area.
<b>RESTRIPE ACCESSIBLE PARKING SPACES</b>			
2011	F1010	M-1 Minor	Restripe the accessible parking spaces throughout the parking garages so that the spaces meet the required width of 96" wide (1000 LF).
<b>RE-INSTALL METAL-RAILINGS</b>			
2011	F1010	M-1 Minor	Repair metal railing located at the upper level Washington ramp to meet the requirement for the height of a handrail above a ramp is between 34" and 38". The rail heights at the upper level parking structure Washington ramp (connecting to the landscape area) varies between 32" and 34".
<b>Grand Total</b>			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

Photos for Critical/Serious DM/CRDM/RMDM/LMAC [REDACTED] or LMLS



MORU002-61422-218,219. Repair water damage to Column D24 at Mid-Level.

Annual Maintenance Tasks (2012-2031)				
Task				
2012				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Exit Lighting Fixtures				
Inspect Transformer				
Inspect Panel board				
Maintain Elevator				
Maintain Exhaust Fan				
Maintain Motor Control Center				
2012 Total				
2013				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Exit Lighting Fixtures				
Inspect Transformer				
Inspect Panel board				
Maintain Elevator				
Maintain Exhaust Fan				
Maintain Motor Control Center				
2013 Total				
2014				



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

Annual Maintenance Tasks (2012-2031)				
Task				
RM - Recurring Maintenance				
Maintain Concrete - Cast in Place				
Maintain Concrete Exterior Ramp				
Maintain Concrete Post Tensioned Deck				
Paint Metal Doors				
Maintain Concrete Steps				
Maintain Metal-Railings				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Exit Lighting Fixtures				
Inspect Transformer				
Inspect Panel board				
Maintain Elevator				
Maintain Exhaust Fan				
Maintain Motor Control Center				
2014 Total				
2015				
RM - Recurring Maintenance				
Maintain Incandescent Lighting Fixtures				
Maintain EPDM Roof Covering				
Maintain High Intensity Discharge Lighting Fixtures				
Replace Parking Lot Striping				
Maintain Concrete Columns - Cast in Place				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Exit Lighting Fixtures				
Inspect Transformer				
Inspect Panel board				
Maintain Elevator				
Maintain Exhaust Fan				
Maintain Motor Control Center				
2015 Total				
2016				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Exit Lighting Fixtures				
Inspect Transformer				
Inspect Panel board				
Maintain Elevator				



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

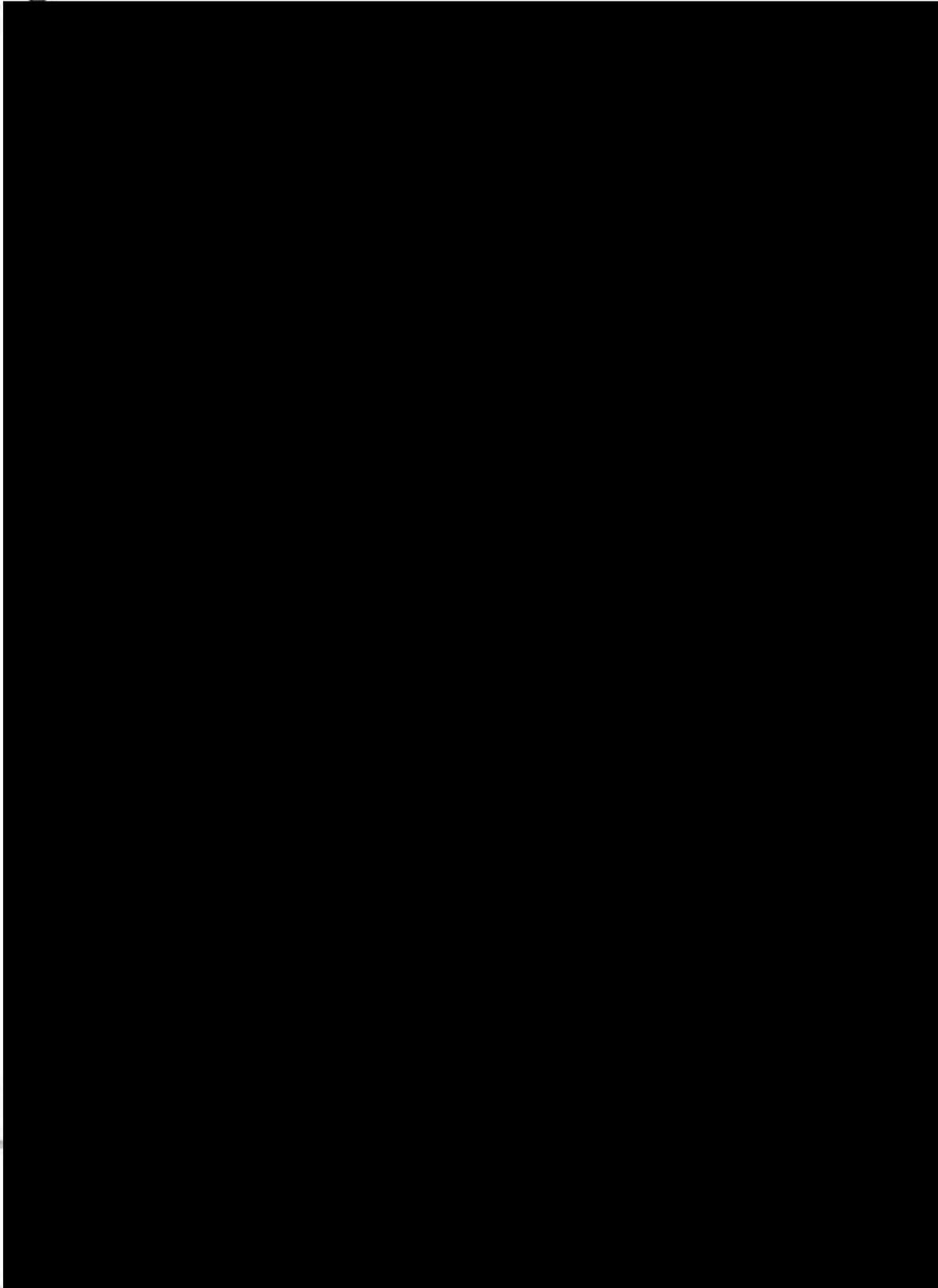
Annual Maintenance Tasks (2012-2031)			
Task			
Maintain Exhaust Fan			
Maintain Motor Control Center			
2016 Total			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

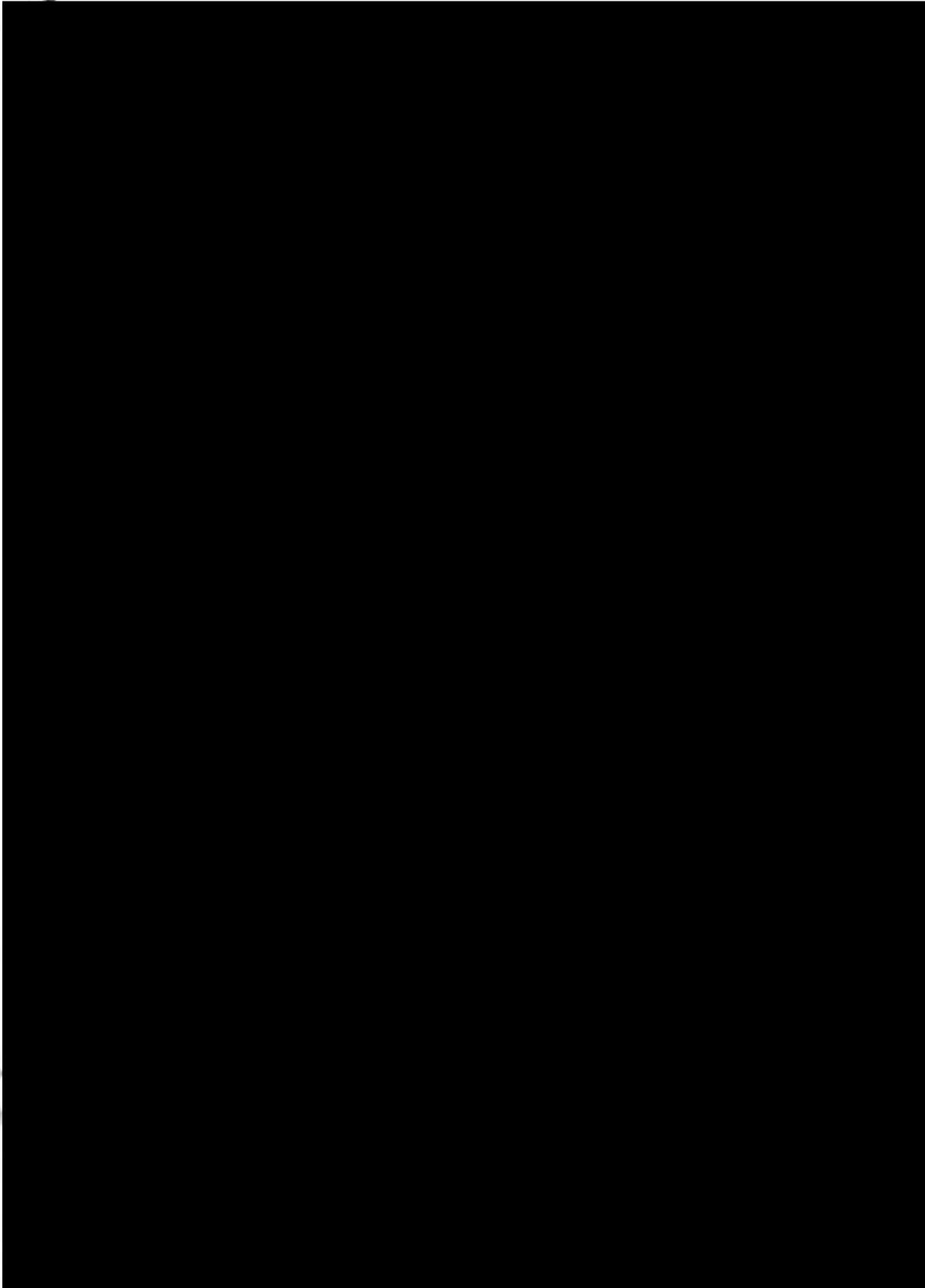




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FMSS Location #61422 Parking Structure

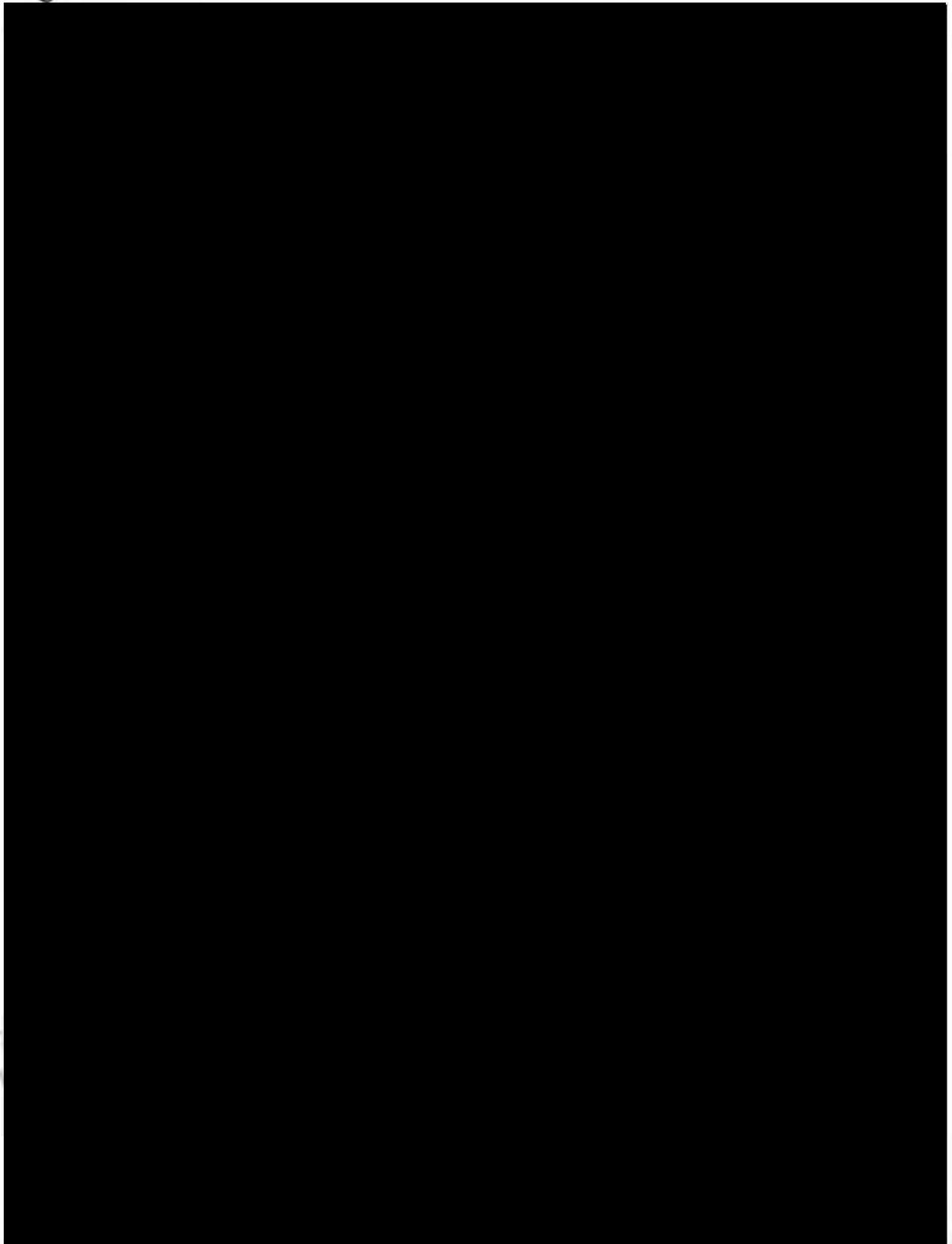




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure

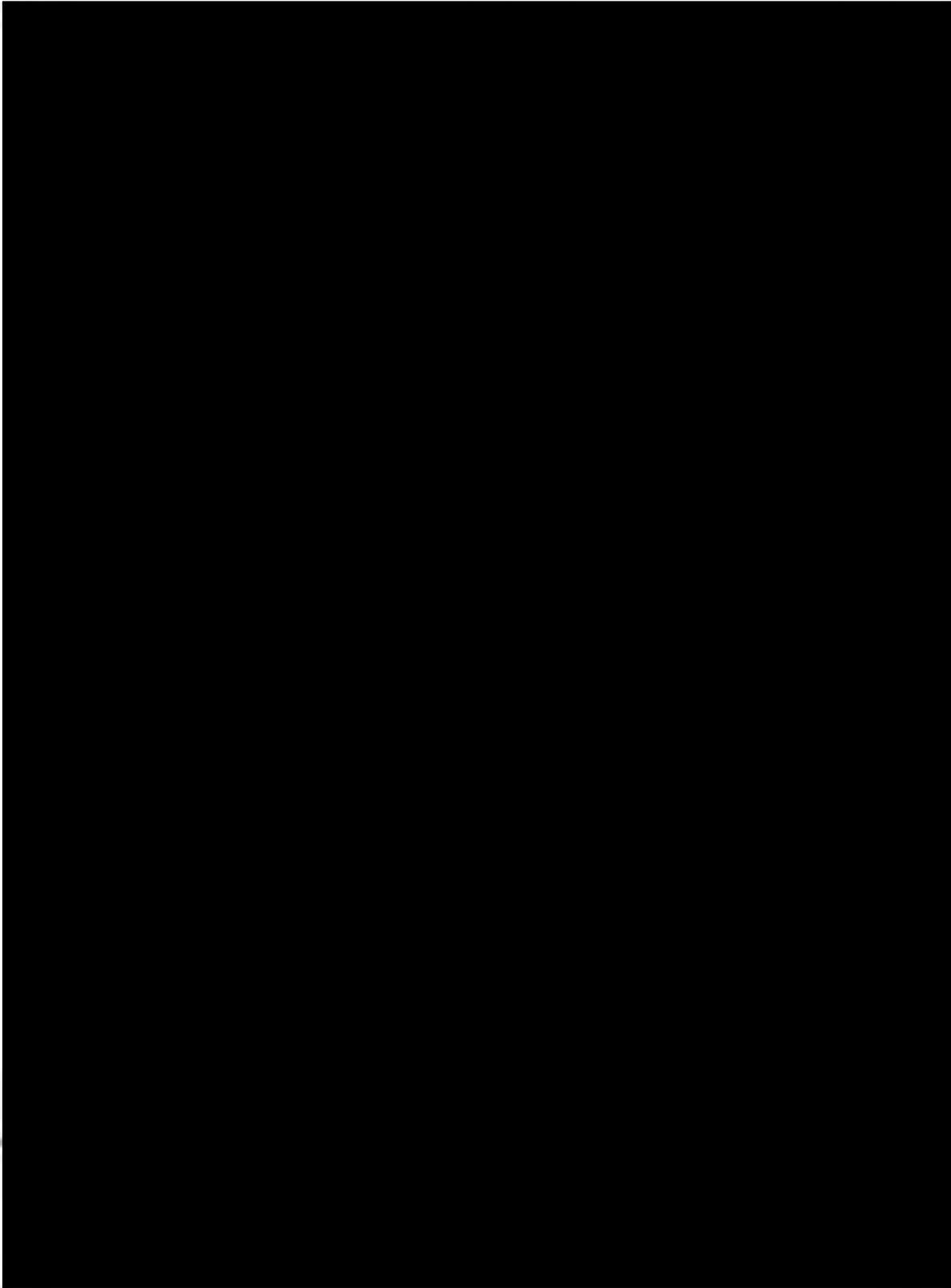




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure





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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61422 Parking Structure



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**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

**FMSS Location #61421 Fee Collection Facility**

Survey Date	FMSS Location	Location Type	Gross SF	D101 SF	Year Built
6/23/2011	61421	4100	607	1354	1998



**Front View (North)**



**Rear View (Northwest)**



**View of Kitchen Area**



**View of Office Area**

**Description:**

Fee Collection Facility

**Location Narrative:**

The original construction of this facility was in 1998. At that time there were three Toll Booths on concrete islands. In 2004 the 2000 SF Roof over the Toll Booths was built along with the 900 SF North Admin Office Building. Built under each column of the South Toll Booth Roof is concrete drilled pier for bearing to rock with an estimated depth of 20 feet. Grade Beams on the Pile Caps support the North Administration Office walls, and the End Walls of the South Toll Booth Roof. The concrete Slab on Grade is located only at the north side Administration Office Building. The South side has concrete traffic bearing apron of approximately 16,000 SF.



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

#### FMSS Location #61421 Fee Collection Facility

The Precast Cored Planks are 3 feet wide by 8 inch thick and with 4 cores each span the length over the three toll booth stations, approximately 80 feet by 25 feet.

The North Administration Office Building has 10 inch thick concrete cast in place reinforced walls to support the roof, while the South Toll Booth Roof is supported by an east and west end cast in place end walls with intermediate columns. It is also post tensioned with cables. There is a light pepper speckled colored granite veneer attached to portions of the North Administration Office Building cast in place concrete walls especially favoring the east side viewed by motorists as they arrive. The Granite is also wrapped around the Toll Booth columns. In the recent past, the original mortar joints of the granite block were removed in an attempt to prevent water infiltration. This has created a reoccurring maintained requirement to remove and replace loose, cracked, pulled away caulking used in place of mortar at joints and maintain sealer as per manufacturer's instructions approximately every 5 years.

The windows include one large panel double insulated "Store Front" design with aluminum dividers and 4 small windows located on the North Administration Office building. The South Toll Booths have half wall window surrounds. Matching the Storefront Glazing System is 2 single 3/0 x 6/8 full lite exterior doors with aluminum frames and quality hardware. Each of the three Toll Booths has small operator entry door. All metal, glass and hardware are in satisfactory condition.

Overall the interior finishes are in good condition for the main building and the toll booths. The flooring is sheet vinyl in the main building bathroom and toll booths, except for the main toll booth, which is carpet. The remainder of the main building has carpet flooring. Interior walls of the main building and toll booths are painted drywall. The majority of the main building has acoustical suspended ceiling panels, with the bathroom having painted drywall. The toll booths have a plastic grid ceiling panel. There are two varnished wood personnel doors in the main building. Carpeting in the main building and main toll booth should be replaced in 2012. Sheet vinyl in the toll booths and main building bathroom should be replaced in 2013. One deferred maintenance item that should be repaired immediately includes replacement of one plastic grid ceiling panel in toll booth #105.

The 2900 SF roofing membrane is 60 gauges Carlisle Rubber EPDM and is fully covered by gravel ballast, for excellent hold down and UV ray protection. It is in satisfactory condition [REDACTED]

The electrical system for this building consists of the panel boards, transformers, wiring and devices necessary to operate the building. The lighting appears to be in good condition with few (less than 4) lights out of service. The wiring and lighting fixtures appear to be in good condition with no issues noted at the time of the inventory.

The building is heated by electric baseboard heaters and through the wall heat pumps. The heat pumps also provide cooling for the building. There is a roof top combination unit over the kitchen area. All units appear to be in good operational condition, though the baseboard heaters show signs of some wear mostly due to their location. All units appear to be functioning normally.

The plumbing system for this asset appears to be located in the main building only. There is a bathroom with a lavatory sink and toilet. There is also a small stainless steel sink in the break room area. All appear to be functioning normally. It was stated that the faucet located in the back of the building is not working properly, though at the time of the inventory this was not the case. Further investigation is required in this instance.

The South Toll Booth has large heavy up concrete apron to support the incoming vehicles. Additionally each Toll Booth has oval island pad. The Metal Swing Gates are located at each incoming lane between the Toll Booths, and are made of 6" diameter vertical post piping and 4" diameter horizontal pipe painted black.

#### **ADA Accessibility:**

The Fee Collection Facility was assessed for full accessibility compliance based on the criteria in the ADAAG standards and American with Disabilities Act 2010 update. The following is a summary of the deficiencies noted during the assessment. Some deficiencies require follow-up including further inspection, study and design.



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61421 Fee Collection Facility

#### *In-Scope*

ADA Deficiencies included in the 20-Year Maintenance Plan include:

#### Exterior:

1. The Fee Collection Facility does not have an accessible route and is therefore not accessible from the parking structure. Sidewalks or curb ramps are not provided to the entry. In addition, the clear area in front of the door opens to a vehicular entrance lane and the maneuvering area is adjacent to this vehicular lane.

#### Interior:

1. The hallway leading to fee counter does not have an adequate turn around space and is obstructed by non-fixed furniture in the turnaround area.
2. The requirement for a service counter is a minimum of 30" wide, maximum off 36" high, a 25" maximum toe clearance depth with 27" above finished floor knee clearance. The service counter measured at 42" above finished floor and the service window measured at 44" above finished floor. An auxiliary counter space is not provided.
3. The interior doors do not have the minimum clearances adjacent to the latch side due to the placement of non-fixed furniture within the minimum clearance space. Additionally, the drinking fountain is within the minimum clearance space of the service counter interior door.
4. The required clear floor space for a drinking fountain is 30" by 48". The drinking fountain is located within the 36" wide accessible aisle and is adjacent to the hallway door and the accessible toilet room and therefore does not have a 48" clear floor space.
5. The requirement for employee storage areas is a maximum of 48" above the finished floor if the storage areas are unobstructed. The employee storage closets, kitchen cabinetry, and shelving are 60" above finished floor.
6. International symbol sign should be provided for the public unisex restroom.
7. The turning space of a 60" diameter is required within an accessible toilet room. The toilet room has a 48" clear space provided and is therefore not in compliance.
8. The required height for an accessible water closet is 17" to 19" from the finished floor to the top of the toilet seat. The toilet measured 16" above finished floor.
9. The requirement for the flush control on a toilet is on the open side of the water closet. The toilet handle is located on the wall side and is therefore non-compliant.
10. The lavatory drain should be covered with protective booting in accessible toilet rooms. None were noted.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

**Seismic:**

The Fee Collection Facility is a Type I concrete and masonry structure with concrete footings. The building is a single story building. There were no noted structural deficiencies based on the Rapid Visual Screening process utilized for this survey. This building has a seismic score of 4.8.

**WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Uniformat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
A10 - Foundation - Building								
A1020	61421-A1020-1	Concrete - Pier	1300	SF	2004			
A1030	61421-A1030-1	Concrete - Slab On-Grade	900	SF	2004			
B10 - Superstructure - Building								
B1020	61421-B1020-1	Concrete - Other - Truss	2000	SF	2004			
B20 - Exterior - Building								
B2010	61421-B2010-1	Concrete - CIP Concrete - Exterior Wall	900	SF	2004			
	61421-B2010-2	Masonry - Stone - Exterior Wall Finish/Covering	1050	SF	2004			
	61421-B2010-3	Glass - Curtain Wall - Exterior Wall	310	SF	2004			
B2030	61421-B2030-1	Metal - Personnel	5	EA	2004			
B30 - Roofing - Building								
B3010	61421-B3010-1	EPDM - Single Ply w/Ballast	2900	SF	2004			
C10 - Interior - Building								
C1020	61421-C1020-1	Wood - Personnel w/ Paint/Coating	1	EA	1998			
	61421-C1020-2	Wood - Personnel w/ Paint/Coating	1	EA	1998			
C30 - Interior Finish - Building								
C3010	61421-C3010-1	Drywall - N/A	1280	SF	1998			
C3020	61421-C3020-1	Carpet - N/A	360	SF	1998			
	61421-C3020-2	Sheet Vinyl	250	SF	1998			
C3030	61421-C3030-1	Drywall - N/A	55	SF	1998			
	61421-C3030-2	Acoustical - Suspended	360	SF	1998			
	61421-C3030-3	Grid Ceiling	192	SF	1998			
D20 - Plumbing - Building								
D2010	61421-D2010-1	Drinking Fountain - Metal	1	EA	1998			



National Park Service

Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61421 Fee Collection Facility

WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
	61421-D2010-2	Lavatory Sink - Wall Hung	1	EA	1998			
	61421-D2010-3	Toilet - Ceramic	1	EA	1998			
	61421-D2010-4	Kitchen Sink - Single Bowl	1	EA	1998			
D2020	61421-D2020-1	Copper - <1" Pipe	1	EA	1998			
	61421-D2020-2	Electric Hot Water Heater - 15 Gal	1	EA	1998			
D2030	61421-D2030-1	Cast Iron - Waste Piping, 6"	1	EA	1998			
D30 - HVAC - Building								
D3050	61421-D3050-1	Air Conditioner - Thru-Wall <25000 BTUH	5	EA	1998			
	61421-D3050-2	Packaged Terminal AC - Electric	1	EA	1998			
	61421-D3050-3	Unit Heater - Electric	9	EA	1998			
D50 - Electrical - Building								
D5010	61421-D5010-1	Dry Type/Three Phase - 480V P-120/208V S(9-45KVA) - Transformers	1	EA	1998			
	61421-D5010-2	Dry Type/Three Phase - 480V P-120/208V S(9-45KVA) - Transformers	1	EA	1998			
	61421-D5010-3	Panel board - 200-400 AMP	1	EA	1998			
	61421-D5010-4	Panel board - 100-200 AMP	1	EA	1998			
	61421-D5010-5	Panel board - 100-200 AMP	1	EA	1998			
	61421-D5010-6	Panel board - 100-200 AMP	1	EA	1998			
	61421-D5010-7	Electrical Distribution	1	EA	1998			
D5020	61421-D5020-1	High Intensity Discharge - Exterior - Lighting Fixtures	8	EA	1998			
	61421-D5020-2	Fluorescent - Interior, 4-FT 3 LAMP- T-8 - Lighting	18	EA	1998			
F10 - Special Feature - Building								
F1010	61421-F1010-1	Concrete - Pavement	1	EA	2004			
	61421-F1010-2	Metal-Pipe Swing Gate	6	EA	1998			
Grand Total								

**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.

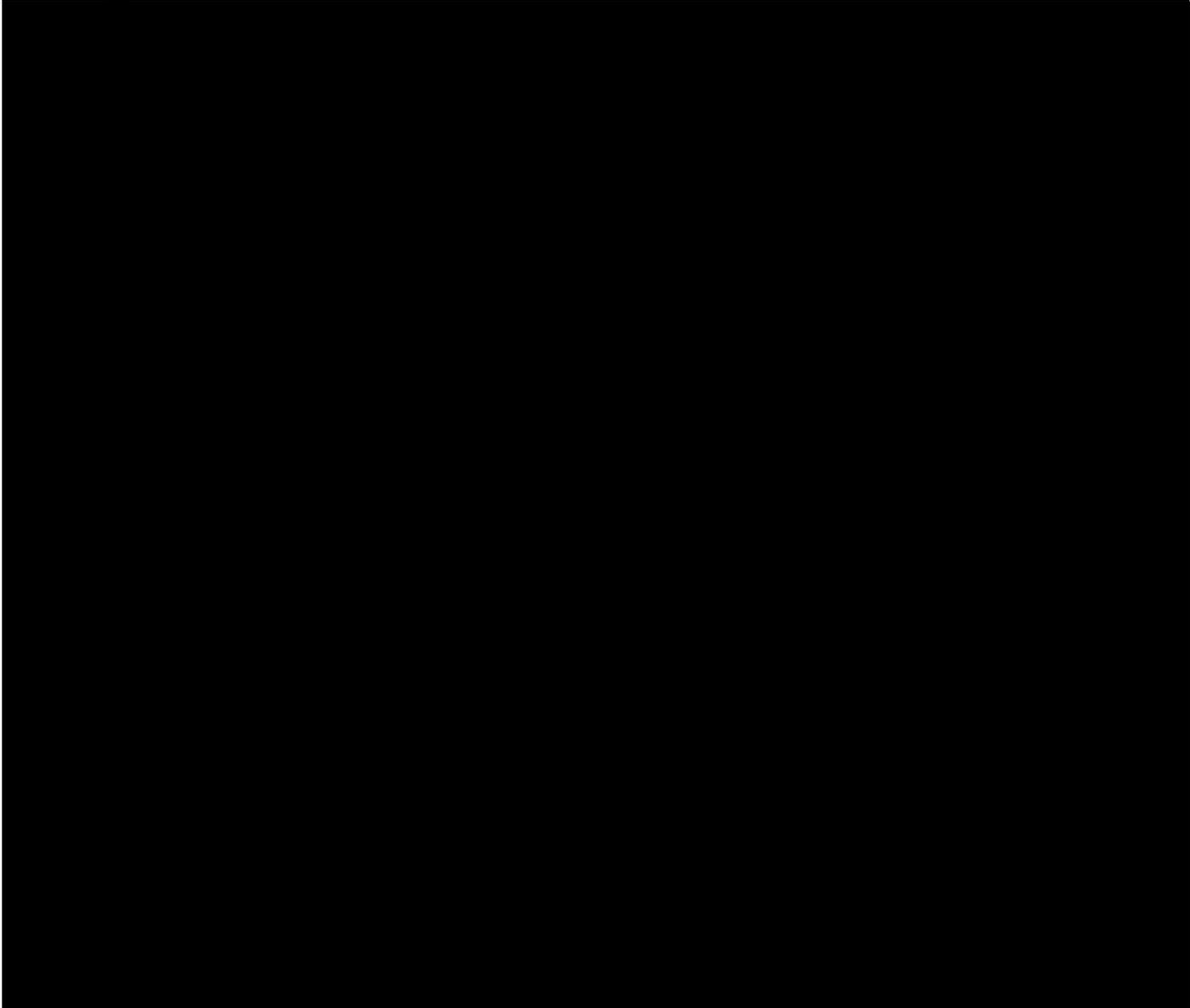
A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility



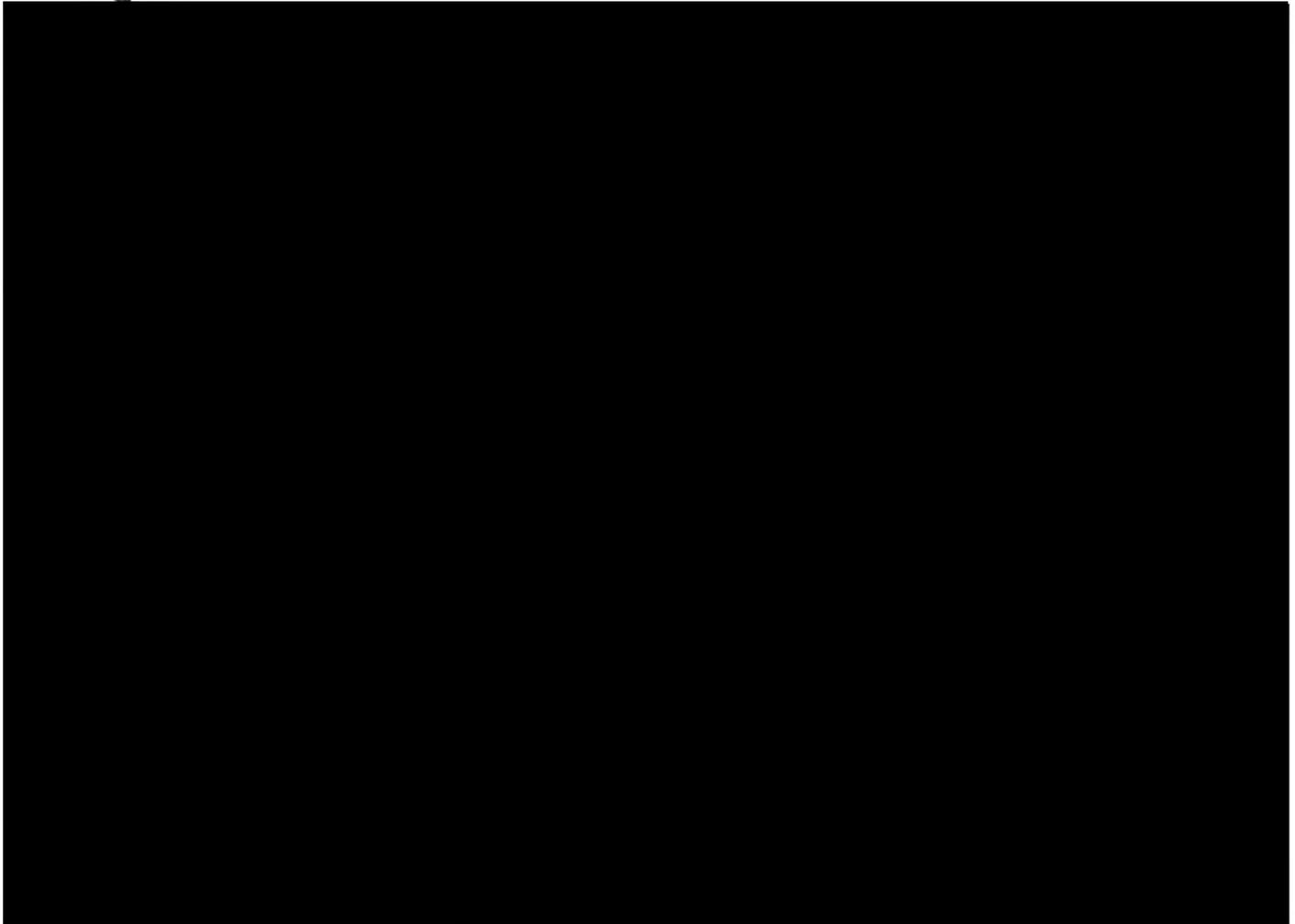
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Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61421 Fee Collection Facility



Deferred Maintenance (DM, CRDM, RMDM)	WBS Code	Critical Serious Minor	Detailed Description	
REPLACE GRID CEILING				
2011	C3030	M-1 Minor	Repair egg crate lens ceiling by removing and replacing one 3'x1' ceiling panel in fee booth 105. The panel is damaged and requires replacement.	
Grand Total				



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description	Total Cost	
<b>INSTALL ADA ACCESSIBILITY SIGNAGE</b>					
2011	C1020	M-1 Minor	Install an International symbol sign outside the public unisex restroom.	[REDACTED]	
<b>PROTECT SINK DRAIN</b>					
2011	D2010	M-1 Minor	Install protective booting over the lavatory drain piping in accessible toilet rooms.		
<b>REPLACE TOILET</b>					
2011	D2010	M-1 Minor	Replace the toilet located in the restroom in the main building with another toilet that has the flush control on the open side of the water closet. The toilet handle is located on the wall side and is therefore non-compliant. In addition, make sure the new toilet meets the required height for an accessible water closet (17" to 19") from the finished floor to the top of the toilet seat. The toilet measured 16" above finished floor.		
<b>Grand Total</b>					

<b>Annual Maintenance Tasks (2012-2031)</b>				
Task			RM	Total
2012				
RM - Recurring Maintenance				
Replace Carpet				
Refinish Wood Door				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Electric Hot Water Heater				
Maintain Air Conditioner - Thru-Wall				
Maintain Packaged Terminal AC - Electric				
Inspect Transformer				
inspect Panel board				
2012 Total				
2013				
RM - Recurring Maintenance				
Maintain Drinking Fountain				
Replace Sheet Vinyl				



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

Annual Maintenance Tasks (2012-2031)				
Task	CR	PM	RM	Total
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Electric Hot Water Heater				
Maintain Air Conditioner - Thru-Wall				
Maintain Packaged Terminal AC - Electric				
Inspect Transformer				
Inspect Panel board				
2013 Total				
2014				
RM - Recurring Maintenance				
Maintain Concrete Truss				
Maintain Concrete Exterior Wall				
Caulk Metal Doors				
Replace Kitchen Sink Faucet				
Maintain Concrete Pavement				
Paint Metal Pipe Swing Gate				
Caulk Glass Exterior Wall				
Replace Lavatory Sink Faucet				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Electric Hot Water Heater				
Maintain Air Conditioner - Thru-Wall				
Maintain Packaged Terminal AC - Electric				
Inspect Transformer				
Inspect Panel board				
2014 Total				
2015				
RM - Recurring Maintenance				
Maintain Drinking Fountain				
Maintain EPDM Roof Covering				
Maintain High Intensity Discharge Lighting Fixtures				
Maintain Fluorescent Lighting				
PM - Preventive Maintenance				
Maintain Unit Heater				
Maintain Electric Hot Water Heater				
Maintain Air Conditioner - Thru-Wall				
Maintain Packaged Terminal AC - Electric				
Inspect Transformer				

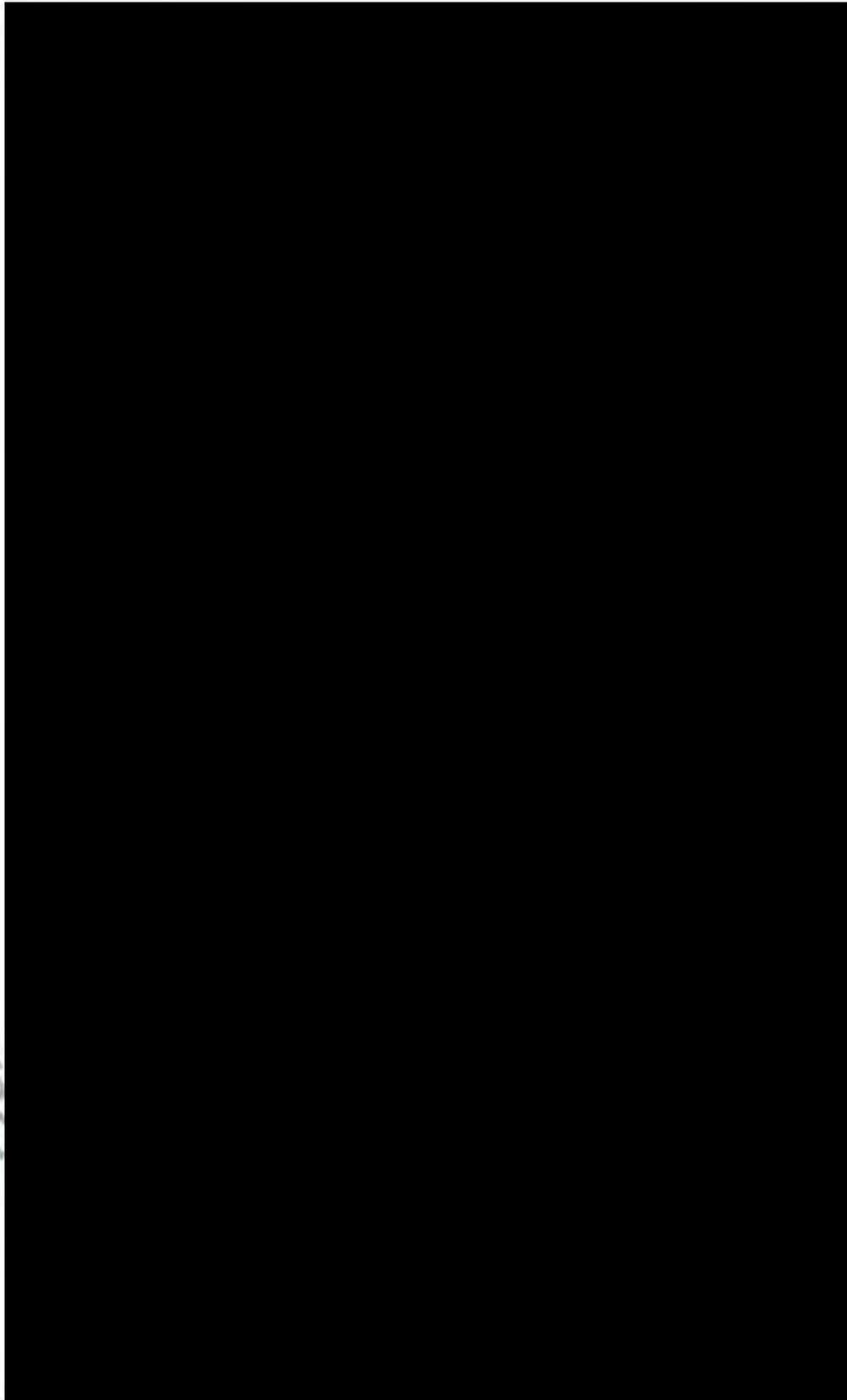




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FMSS Location #61421 Fee Collection Facility

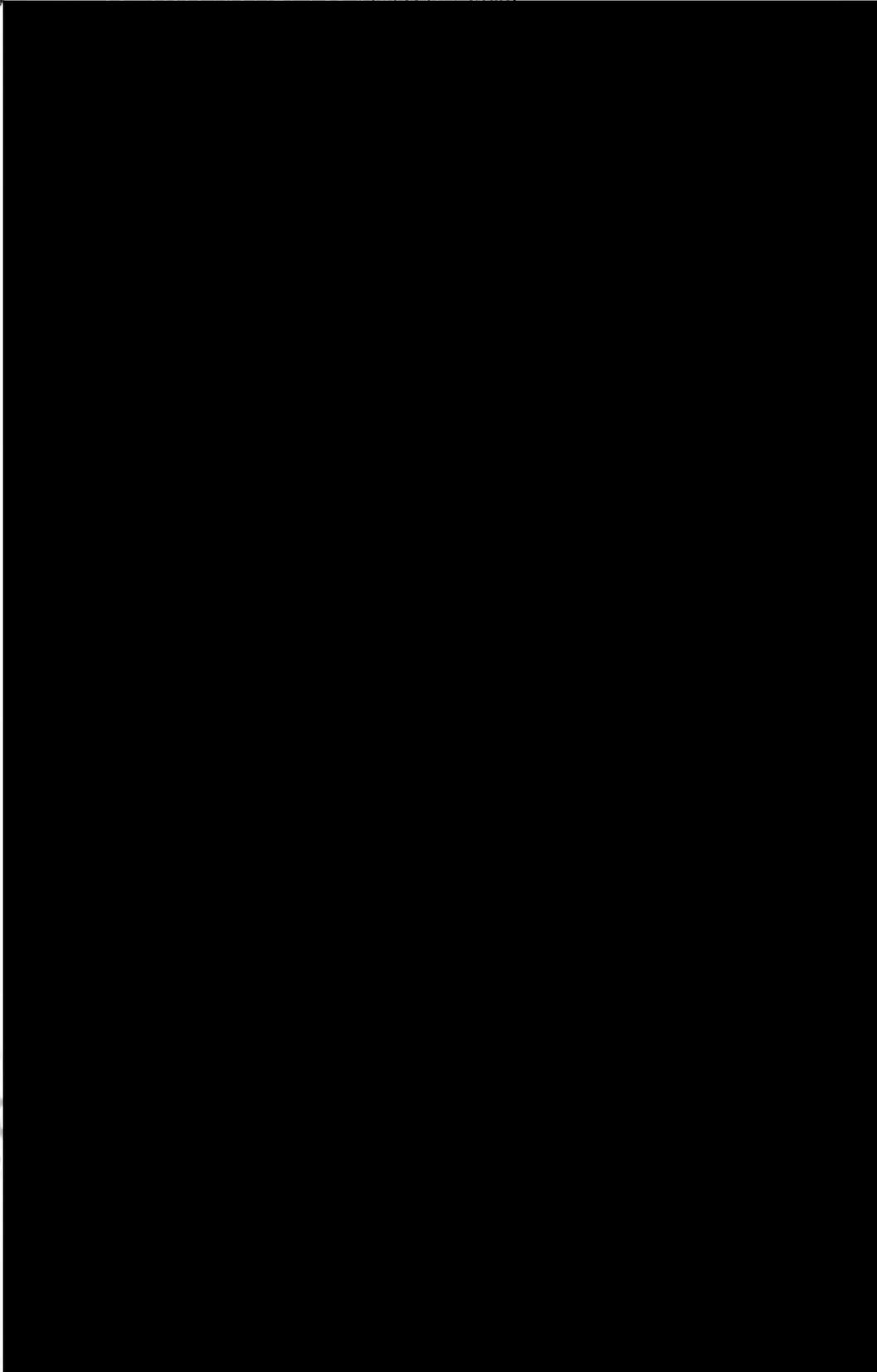




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FMSS Location #61421 Fee Collection Facility

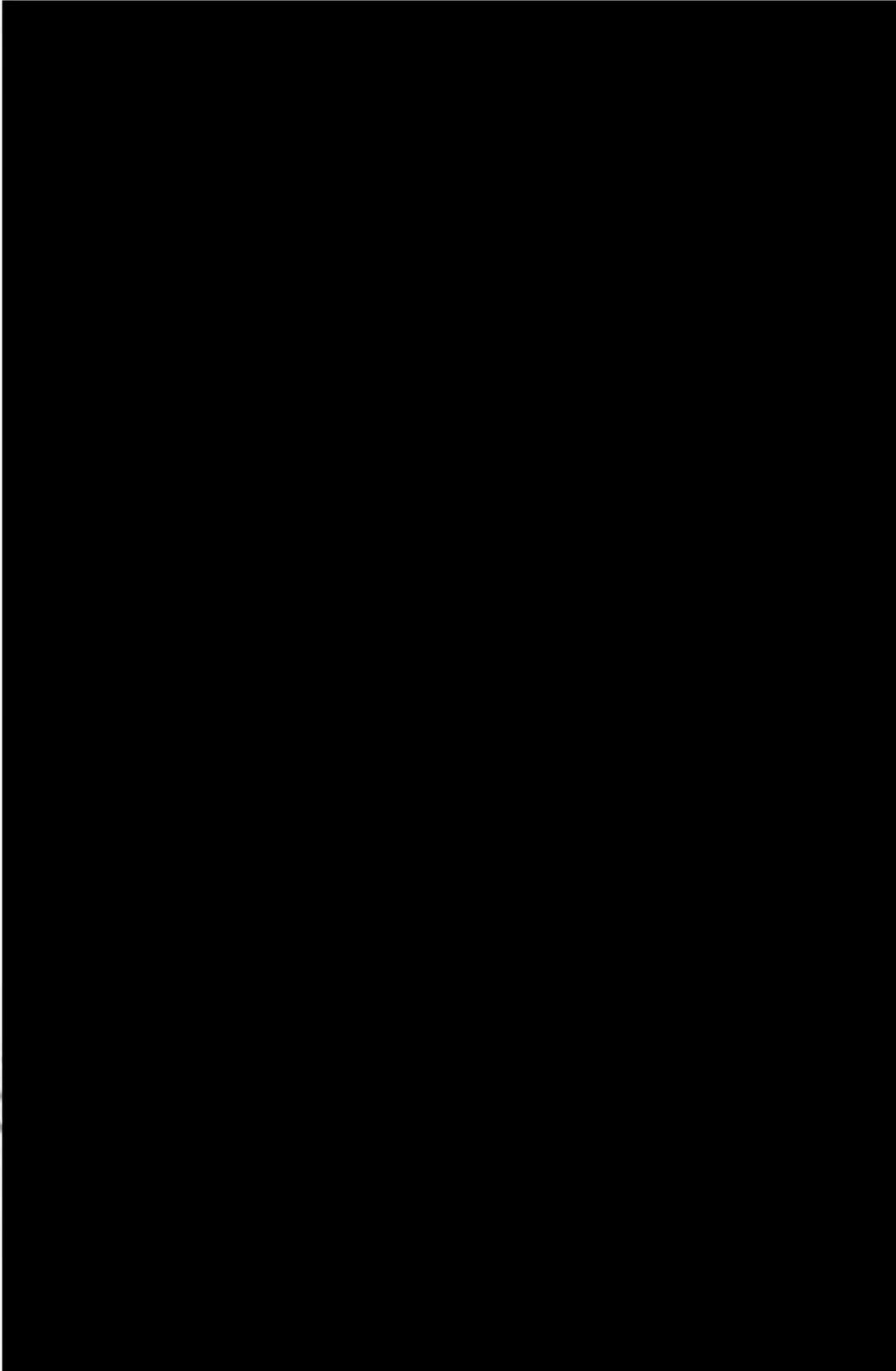




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

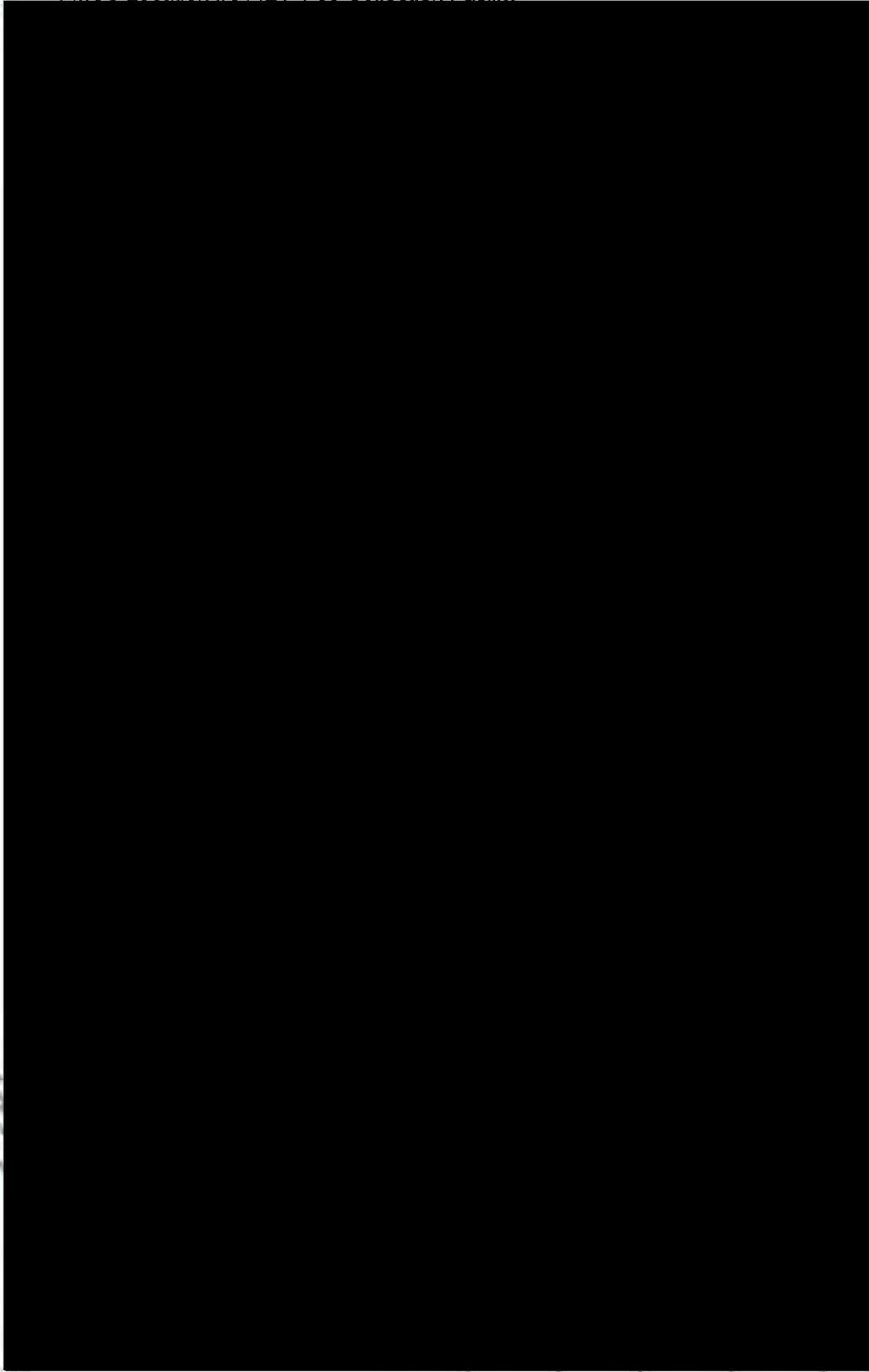




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

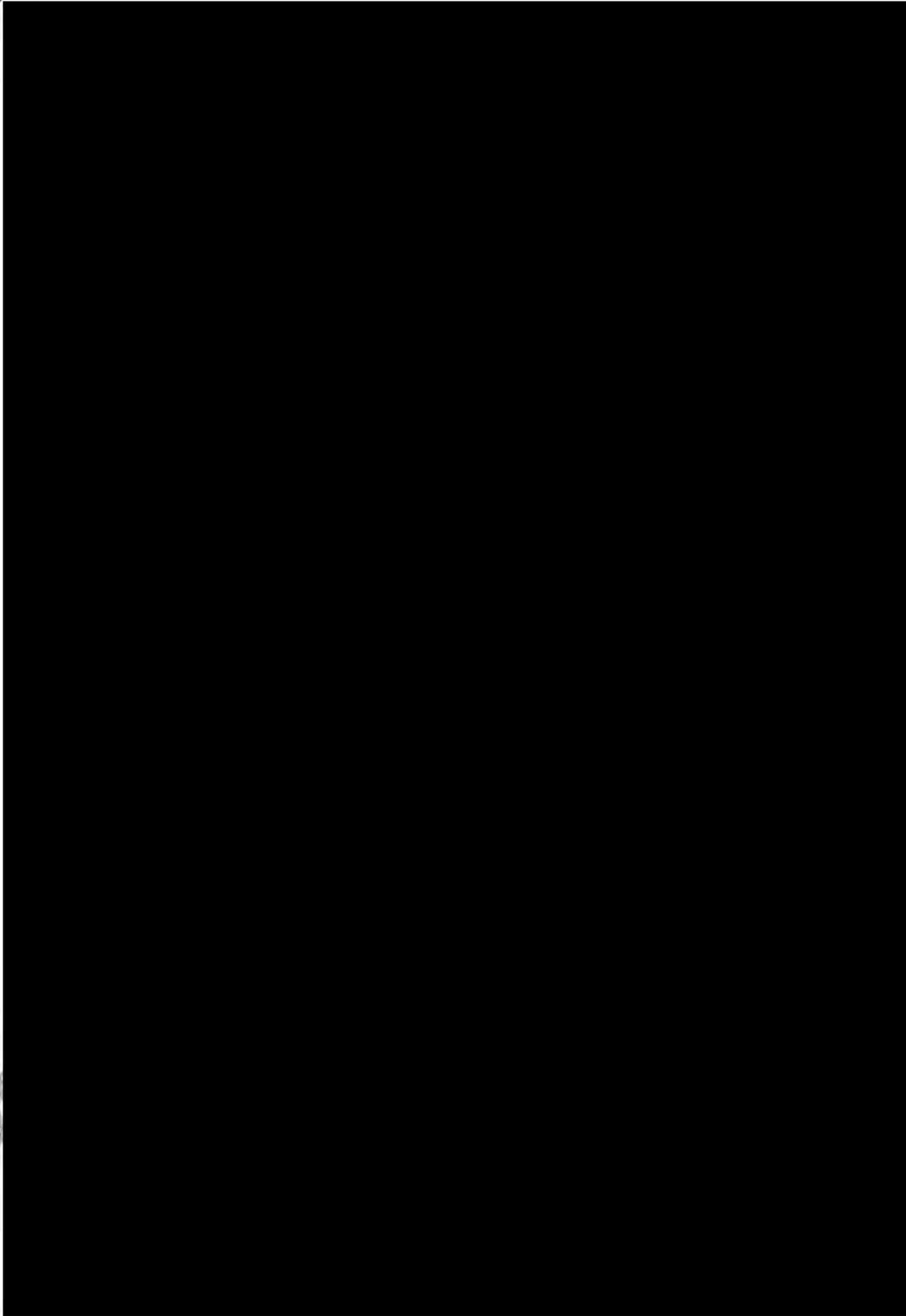




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**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility

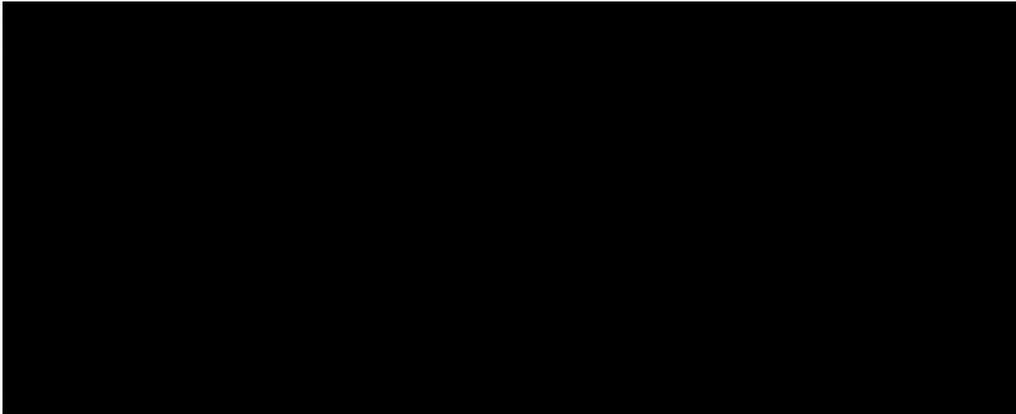




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61421 Fee Collection Facility



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**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61420 Parking Facility Developed Landscape

Survey Date	FMSS Location	Location Type	Gross AC	D101 SF	Year Built
6/23/2011	61420	3100	7	N/A	1998



**Front View (Southeast)**



**Rear View (Northwest)**

**Description:**

Parking Facility Developed Landscape

**Location Narrative:**

The parking facility developed landscaping includes a six-foot wide concrete sidewalk system which originates at the east and west garages and was constructed in 1998. The sidewalk system has two egress points per garage allowing persons exiting their parked cars to leave the garages from two levels each and walk thru a landscaped grassy area, heading north to the Monument View Paved Walkway. Due to elevation changes from the garages "uphill" to the Monument View Paved Walkway, the concrete sidewalk has three sets of concrete stairways. Each stair has metal body-hand rails on each side and down the middle. All concrete surfaces, both the sidewalk and steps are in satisfactory condition [REDACTED]

Interspersed along the sidewalk, located at the two landings serving the three stairways are two foot wide by five foot long wooden benches for persons comfort and overall landscape appearance. The benches are in satisfactory condition.

Some pedestrians leave the concrete sidewalk and "cut thru" the grassy areas. In response, the authorities have installed temporary fencing, made, in this case with metal poles and plastic mesh roll four feet high material. The fencing has served its purpose of curtailing "social trail cut thru" and should therefore be removed and a permanent new barrier system should be installed in its place. The wooden benches listed above should be considered.

Trees and grasses are planted and maintained between the garages and around the concrete sidewalk and stairs. Temporary tree bracing posts and tie back lines should be removed, as the posts are no longer needed and can be an impalement hazard. Remove and replace two dead trees.



## National Park Service

### Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61420 Parking Facility Developed Landscape

#### **ADA Accessibility:**

The Parking Facility Developed Landscape was assessed for full accessibility compliance based on the criteria in the ADAAG standards and American with Disabilities Act 2010 update. The following is a summary of the deficiencies noted during the assessment. Some deficiencies require follow-up including further inspection, study and design.

#### *In-Scope*

ADA Deficiencies included in the 20-Year Maintenance Plan include:

1. All sidewalks and curbs should be repaired to eliminate any gap in the surface greater than  $\frac{1}{4}$ ". There were gap separations in the caulking between the curb and sidewalk slabs, and between sidewalk slabs along the accessible route between the parking structure and the main entrance walk area.
2. Provide directional signage at the upper level walkway directing visitors from the Lincoln and Washington Parking Structures to the upper ramp and main plaza.
3. Railing heights vary between 32" and 34" throughout the landscape area levels and is therefore not in full compliance.

#### **Seismic:**

A seismic survey form was not completed for this asset.

#### **WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Uniformat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61420 Parking Facility Developed Landscape

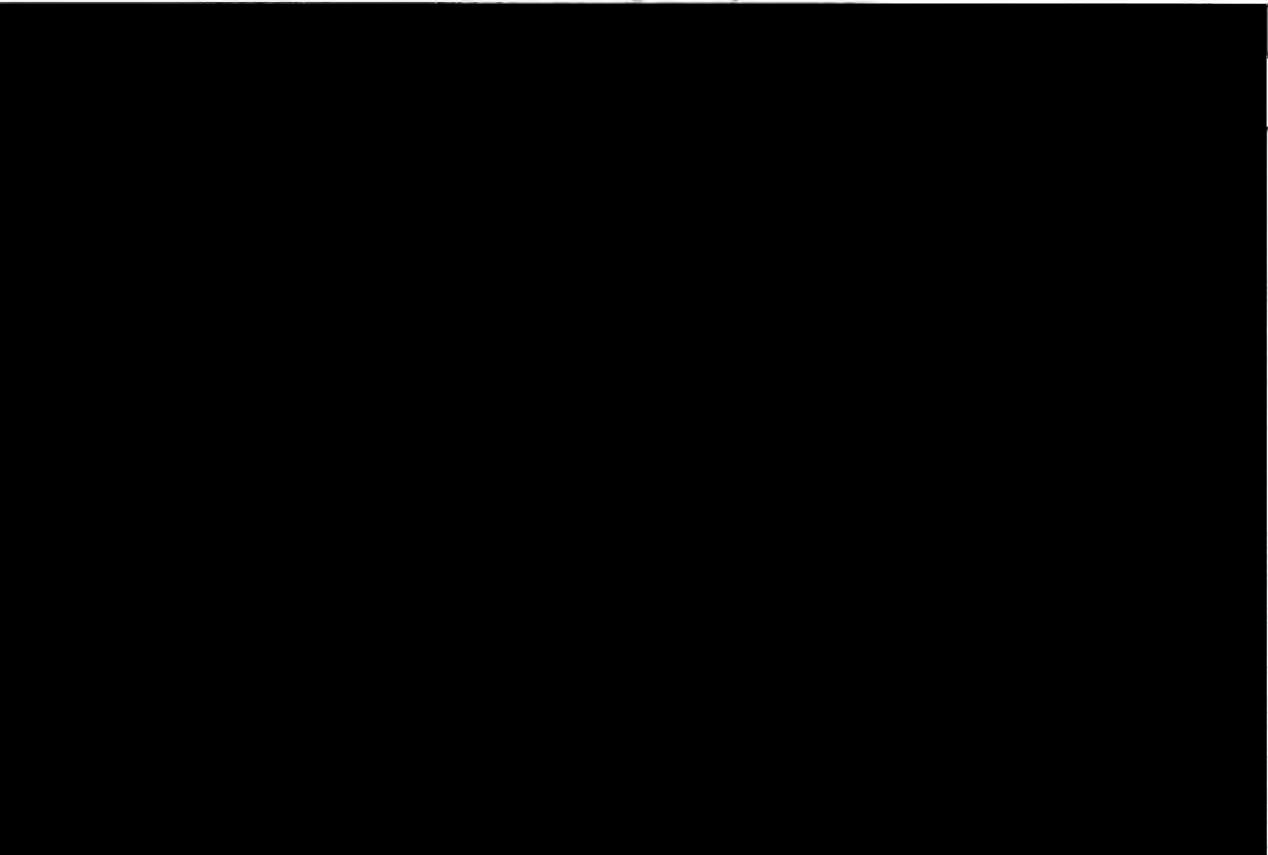
WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed			
G2050 - Maintained Landscape								
G2050	61420-G2050-1	Concrete-Sidewalk	2365	SF	1998			
	61420-G2050-2	Concrete-Steps	426	SF	1998			
	61420-G2050-3	Wood-Benches	6	EA	1998			
	61420-G2050-4	Organic-Trees and Grasses	300000	SF	1998			
Grand Total								

**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.

[REDACTED]

[REDACTED] A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.

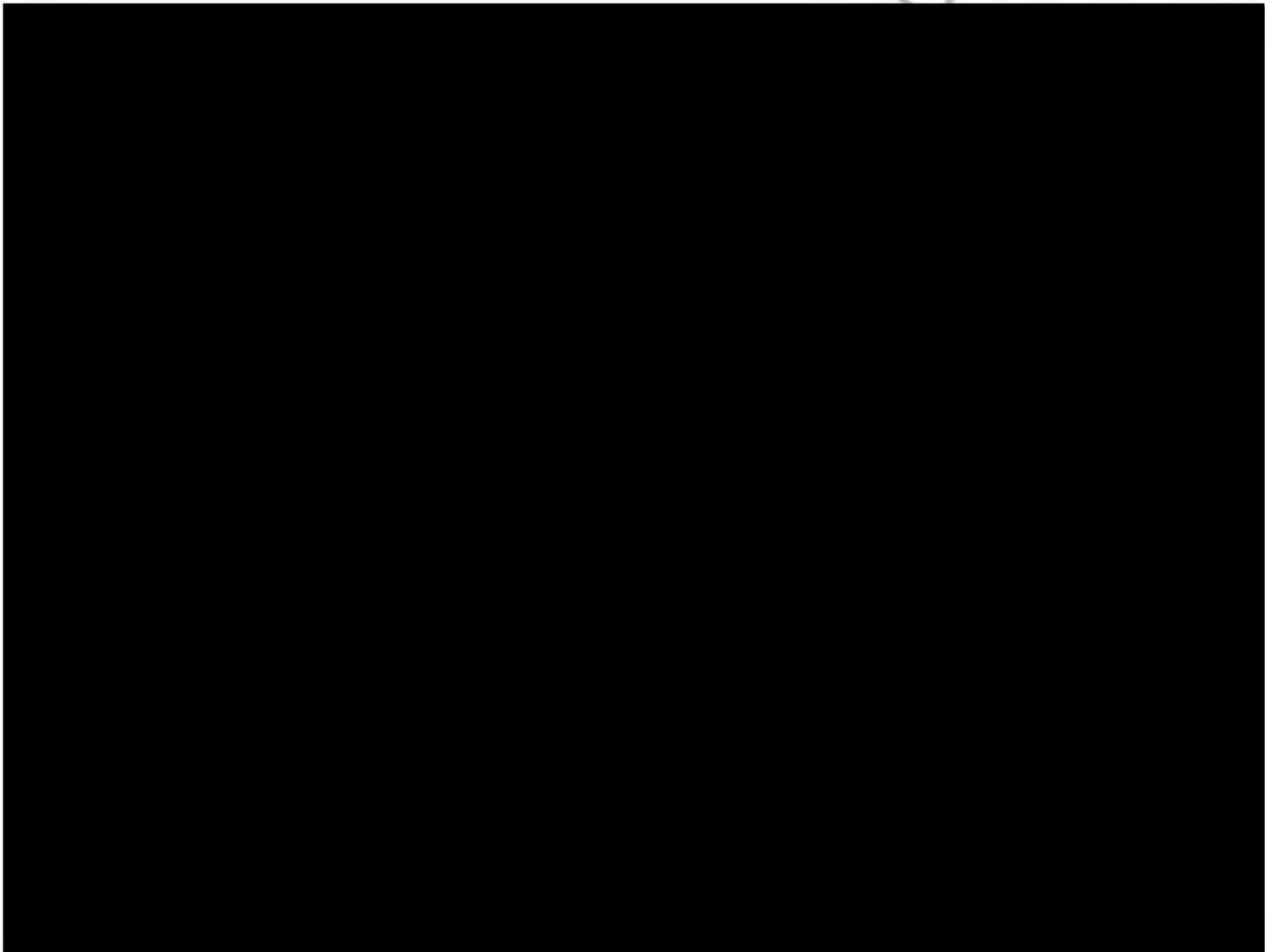
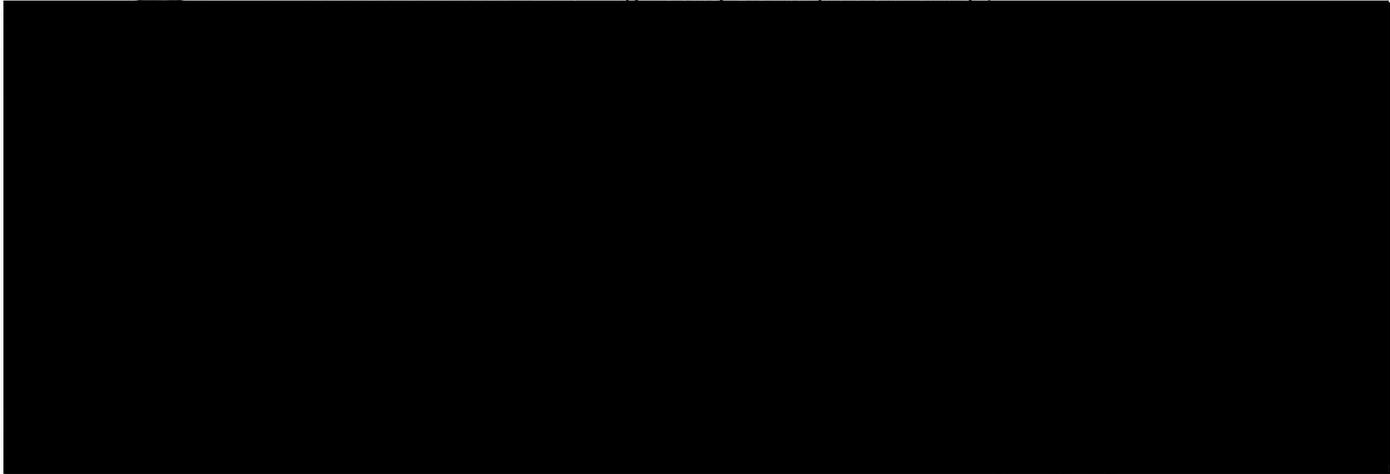




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61420 Parking Facility Developed Landscape





National Park Service

Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002

FMSS Location #61420 Parking Facility Developed Landscape

Deferred Maintenance (DM, CRDM, RMDM)	WBS Code	Critical Serious Minor	Detailed Description
REPLACE TREES			
2011	G2050	M-1 Minor	Remove and replace 2 dead trees located outside of the Lincoln parking structure.
Grand Total			

Legislative Mandate Code Accessibility	WBS Code	Critical Serious Minor	Detailed Description
CAULK SIDEWALK GAPS			
2011	G2050	M-1 Minor	Fill in all gaps between sidewalks and curbs greater than 1/4". All sidewalks and curbs should be repaired to eliminate any gap in the surface greater than 1/4". There were gap separations in the caulking between the curb and sidewalk slabs, and between sidewalk slabs along the accessible route between the parking structure and the main entrance walk area.
INSTALL ACCESSIBLE DIRECTIONAL SIGNAGE			
2011	G2050	M-1 Minor	Provide directional signage at the upper level walkway directing visitors from the Lincoln and Washington Parking Structures to the upper ramp and main plaza.
Grand Total			



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61420 Parking Facility Developed Landscape

**Photos for Critical/Serious DM/CRDM/RMDM/LMAC [REDACTED] or LMLS**



MORU002-61420-235. Caulk gaps between sidewalk/curbing.



MORU002-61420-236. Caulk gaps between sidewalk/curbing.

Annual Maintenance Tasks (2012-2031)				
Task				
<b>2012</b>				
RM - Recurring Maintenance				
Maintain Landscaping				
<b>2012 Total</b>				
<b>2013</b>				
RM - Recurring Maintenance				
Maintain Landscaping				
Refinish Wood Benches				
<b>2013 Total</b>				
<b>2014</b>				
RM - Recurring Maintenance				
Maintain Landscaping				
Maintain Concrete Sidewalk				
Maintain Concrete Steps				
<b>2014 Total</b>				
<b>2015</b>				
RM - Recurring Maintenance				
Maintain Landscaping				
<b>2015 Total</b>				

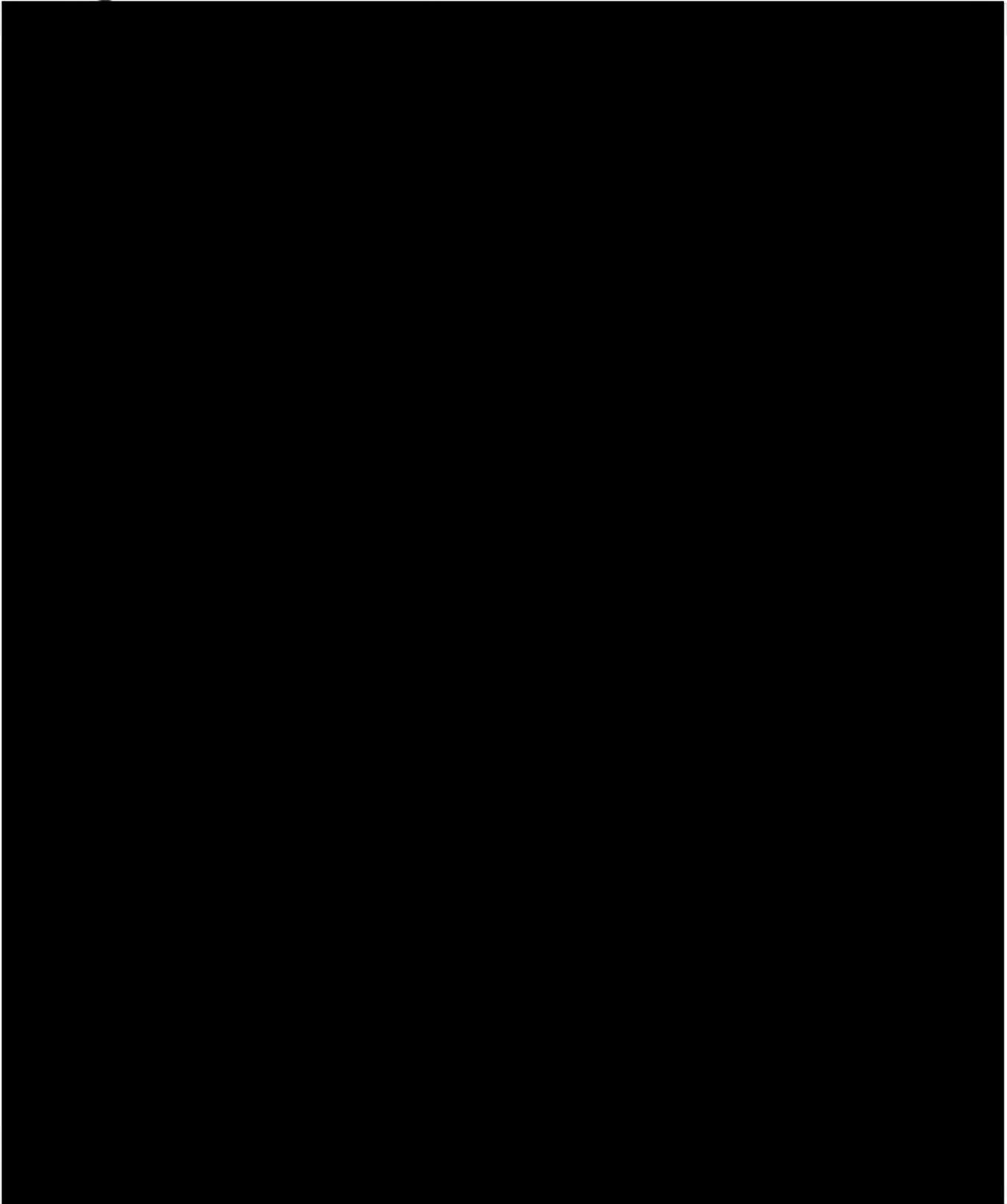




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #61420 Parking Facility Developed Landscape



Tab

# 7



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #65006 Septic System @ Fee Parking

Survey Date	FMSS Location	Location Type	Gross GPD	D101 SF	Year Built
6/23/2011	65006	5200	1,000	N/A	1998



**Front View (South)**



**Rear View (South)**

**Description:**

Septic System @ Fee Parking

**Location Narrative:**

The Septic System at Fee Parking serves one toilet room located in the Fee Administration Office/Toll Booth Complex. There is a 1500 gallon septic tank located approximately 90 feet due west of the Office. Heading due south from that, under the Toll Booth incoming lanes roadway, is the manifold piping, heading for the septic field which is in the grassy area formed by the Inbound Loop Access Ramp Road. Built in 1998, there is no evidence or complaint of inoperability.

**ADA Accessibility:**

ADA accessibility was not assessed for this asset.

**Seismic:**

A seismic survey was not completed for this asset.

**WBS Component Information:**

The WBS Component Information Table organizes component information by WBS Unifomat Level 2 and Level 3. It is a summary of Appendix E including; Component Material Description, Quantity, Approximate Installation Date, Estimated Design Life (EDL), Remaining Service Life (RSL) and Total Replacement Cost (including soft costs) for each component.



**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #65006 Septic System @ Fee Parking

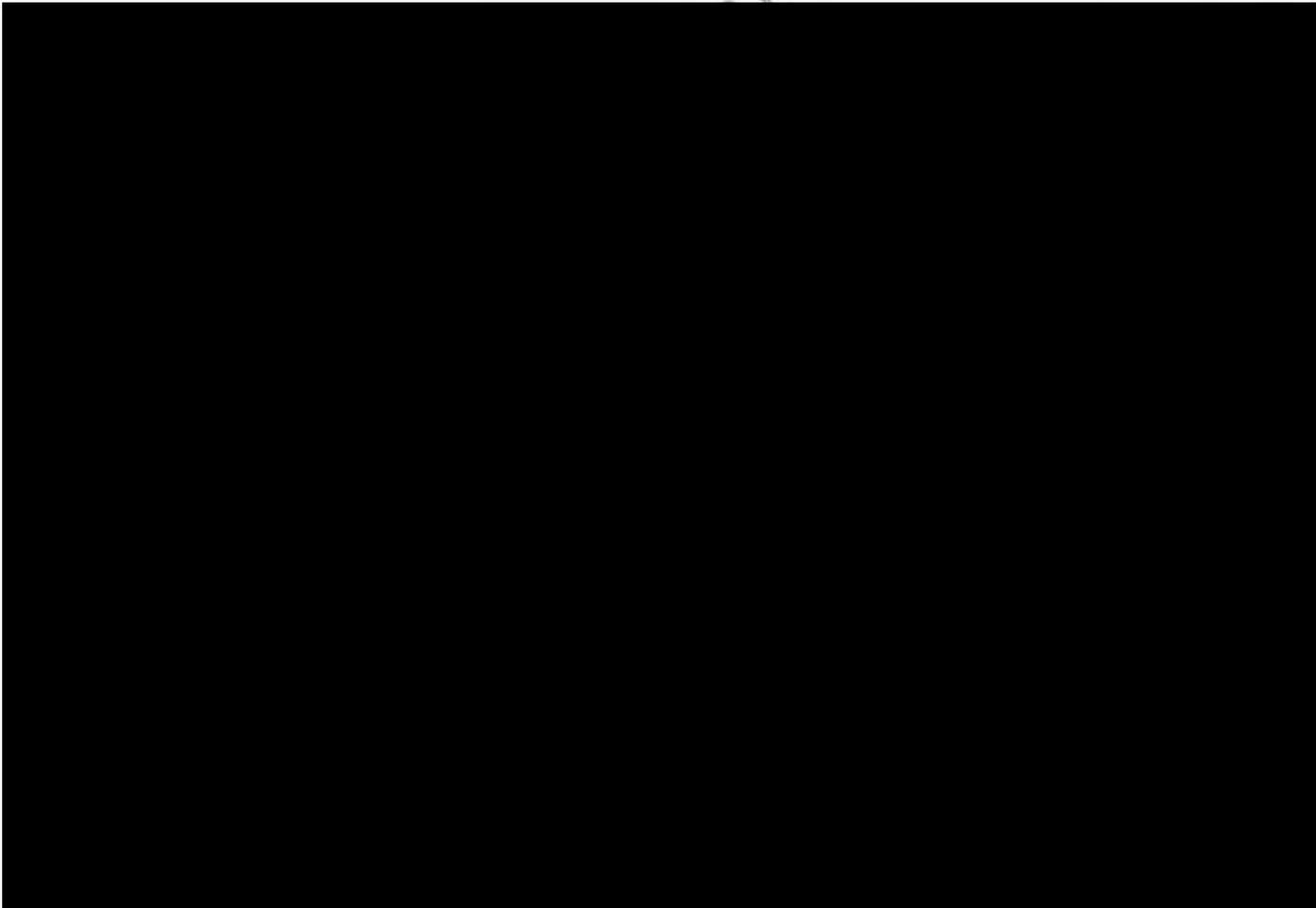
WBS	Asset (Component) ID	Component Material Description	Qty	UOM	Date Installed
G3020 - Waste Water System					
G3020	65006-G3020-1	Concrete- Septic Tank	1	EA	1998
	65006-G3020-2	Earth-Sewage Drain Field	1	EA	1998
Grand Total					



**Maintenance Summary Information:**

A 20-Year Asset Funding Table and funding profile are presented below.   


 A table outlining the Deferred Maintenance and Legislative Mandate Code for Accessibility costs for CY 2011 are provided below as well as a table outlining the Annual Maintenance Tasks that make-up the funding requirements over the next 20 years (2012 through 2031). The maintenance and repair costs provided are representative of observations made during the visual assessment performed in accordance with the CAC Scope of Services.

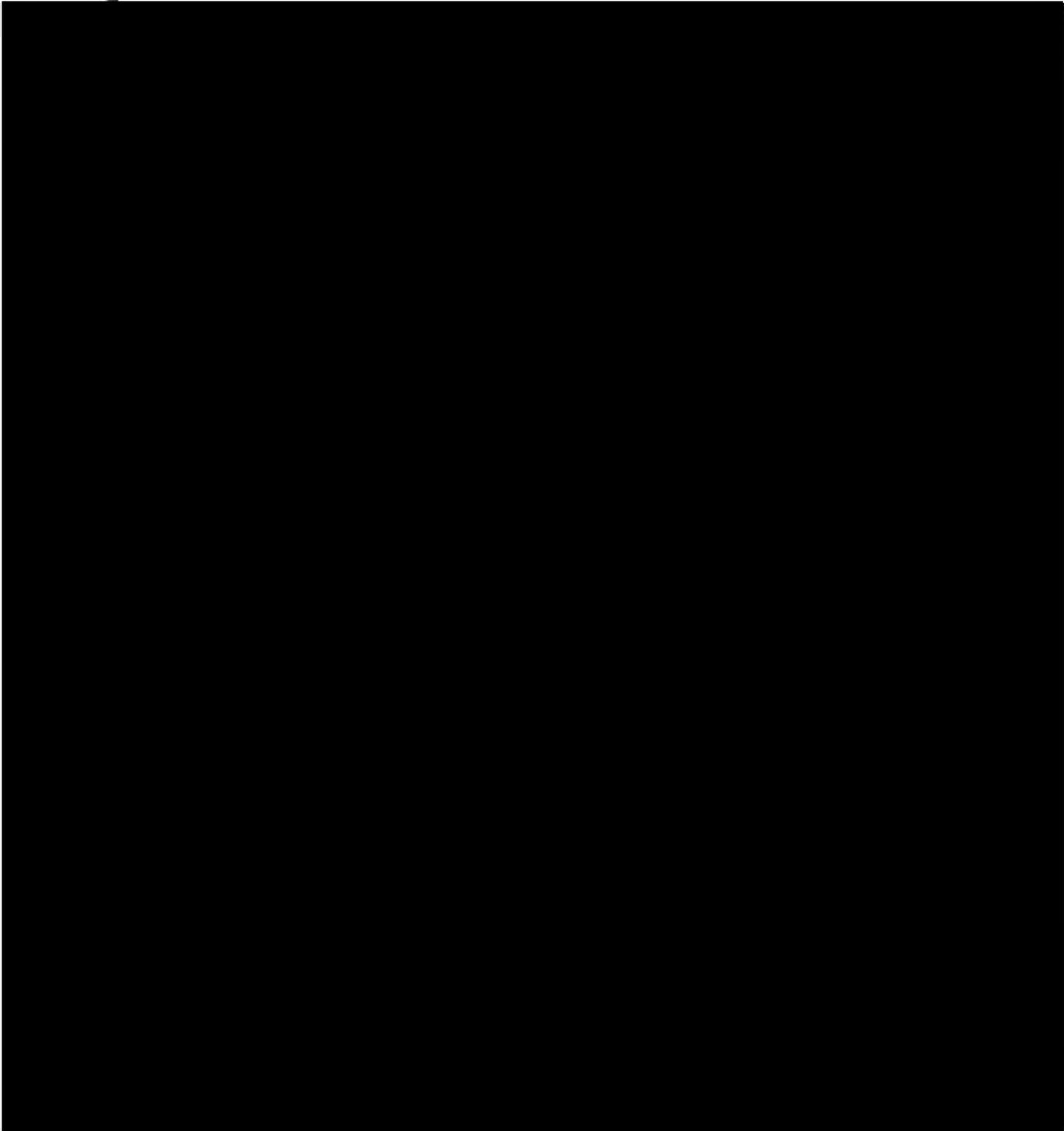




**National Park Service**

**Mount Rushmore National Memorial Concessioner Facilities Assessment – MORU002**

FMSS Location #65006 Septic System @ Fee Parking





Tab

# 8

Appendix A - Real Property List

Concid: MORU002  
CA Date: 6/23/2011

Park: Mount Rushmore National Memorial  
Contact: [REDACTED]

The purpose of Appendix A is to provide the contractor with a list of assets which require a condition assessment and additional asset information and instructions that the contractor will need to complete the condition assessment.

FMS Location Code	FMS Location	FMS Location	FMS Location	Description	Park Structure Number	Concessions Structure Number	Units of Measure			MOR and Quantities		Year	Historic Status			Drawings			Special Reports			GPS Coordinates	Comments	
							Units of Measure	TMS Provided Unit	TMS (Quantity or Size)	Vertical Area of Quantity (The list is computed by multiplying by 100,000)	Area (Acres)		Year Built or Installed	Historically Significant?	ICS Number	Derivation Analysis	GPS Available?	Drawings Available?	Drawings Available?	Prepare Drawing?	Site Drawing			Accessibility Assessment
61419	MORU002	1100	Fee Parking Loop Road				MI	0.6	0.6	0.6	1998	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 33.4"	W 103° 27' 15.1"	near south
61420	MORU002	3100	Parking Facility Developed Landscape				AC	7	7	7	1998	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 50.6"	W 103° 26' 51.7"	changed per NPS
61421	MORU002	4100	Fee Collection Facility				SF	1,333	607	1,354	1998	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 31.3"	W 103° 27' 7.4"	
61422	MORU002	4100	Parking Structure				SF	458,000	458,000	458,000	1997	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 31.9"	W 103° 27' 14"	
61423	MORU002	5400	Emergency Power Generation System...PFI				EA	1	1	1	1998	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 32.8"	W 103° 27' 13.5"	
65006	MORU002	5200	Septic System @ Fee Parking				GPD	1,000	1,000	1,000	1998	No		Yes	Yes	Yes	no	no	no	no	no	N 43° 52' 30.8"	W 103° 27' 9.3"	
							<b>TOTALS:</b>		460,342															

FOR NPS INTERNAL USE

Tab

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Appendix C - Deficiencies and Maintenance Requirements

FMSS Location Code	ConcID	Asset (Component) ID	Unique Work Identifier	Location - L or Asset - A	Location Type Code	WBS Component Level 2	WBS Sub-Component Level 3	Work Order Title	Work Order Long Description	Quantity	UOI	Critical, Serious, or Minor	Work Type	Work Subtype
61419	MORU002	61419-G2010-10	61419-G2010-10-RM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Maintain Concrete Bridge Abutments	Maintain the concrete bridge abatement by making minor concrete repairs as necessary		SF	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-11	61419-G2010-11-RM	A-Asset	1100	G2010 - Roads	G201005 -Guardrails & Barriers	Paint Metal Gates	Prepare and paint the metal swing gates located throughout the roadway		LF	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-1	61419-G2010-1-DM	A-Asset	1100	G2010 - Roads	G201002 -Drains, Inlets, Curbs & Gutters	Clean Out Basin/Pipe Lines	Clean out Southwestern one basin/pipe lines found with wash out dirt.		LF	M-1 Minor	FM	DM - Deferred Maintenance
61419	MORU002	61419-G2010-2	61419-G2010-2-DM	A-Asset	1100	G2010 - Roads	G201002 -Drains, Inlets, Curbs & Gutters	Repair Curb and Gutter Damage	Repair or replace minor curb and gutter chip out and cracking, mostly caused by heavy vehicle striking.		LF	M-1 Minor	FM	DM - Deferred Maintenance
61419	MORU002	61419-G2010-3	61419-G2010-3-DM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Repair Asphalt Pavement	Repair alligator cracking at RV parking area at West side.		SF	M-1 Minor	FM	DM - Deferred Maintenance
61419	MORU002	61419-G2010-3	61419-G2010-3-RM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Maintain Asphalt Pavement	Maintain asphalt by making minor repairs and sealing the surface asphalt		SF	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-4	61419-G2010-4-LMAC	A-Asset	1100	G2010 - Roads	G201004 -Marking & Signage	Restripe RV Parking Stall	Re-stripe the west-side accessible RV parking stall to align with the curb ramps. All accessible aisle spaces should be properly marked with cross-hatched striping (600 LF).		EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61419	MORU002	61419-G2010-4	61419-G2010-4-RM	A-Asset	1100	G2010 - Roads	G201004 -Marking & Signage	Restripe Roadways and Side Parking	Prepare and paint the line markings on the asphalt surface that delineate the travel lanes and provide side parking where indicated		EA	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-5	61419-G2010-5-LMAC	A-Asset	1100	G2010 - Roads	G201004 -Marking & Signage	Install Accessible Signage For Parking	Install ADA accessible signage in front of each accessible parking space.		EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61419	MORU002	61419-G2010-7	61419-G2010-7-DM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Repair Concrete Sidewalk	Replace 4 sidewalk panels cracked by heavy vehicles at Bus Parking.		SF	M-1 Minor	FM	DM - Deferred Maintenance
61419	MORU002	61419-G2010-7	61419-G2010-7-RM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Maintain Concrete Sidewalk	Maintain concrete sidewalk adjacent to the fee loop road including filling and repair of minor cracks and damage.		SF	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-8	61419-G2010-8-RM	A-Asset	1100	G2010 - Roads	G201005 -Guardrails & Barriers	Maintain Concrete Retaining Wall	Maintain concrete retaining wall including filling and repair of minor cracks and damage.		LF	M-1 Minor	FM	RM - Recurring Maintenance
61419	MORU002	61419-G2010-9	61419-G2010-9-RM	A-Asset	1100	G2010 - Roads	G201003 -Surfaces	Maintain Concrete Bridge Decking	Maintain the concrete bridge decking by making minor concrete repairs as necessary		SF	M-1 Minor	FM	RM - Recurring Maintenance
61420	MORU002	61420-G2050-1	61420-G2050-1-LMAC-1	A-Asset	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Caulk Sidewalk Gaps	Fill in all gaps between sidewalks and curbs greater than 1/4". All sidewalks and curbs should be repaired to eliminate any gap in the surface greater than 1/4". There were gap separations in the caulking between the curb and sidewalk slabs, and between sidewalk slabs along the accessible route between the parking structure and the main entrance walk area (100 LF).		EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61420	MORU002	61420-G2050-1	61420-G2050-1-LMAC-2	A-Asset	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Install Accessible Directional Signage	Provide directional signage at the upper level walkway directing visitors from the Lincoln and Washington Parking Structures to the upper ramp and main plaza.		EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61420	MORU002	61420-G2050-1	61420-G2050-1-RM	A-Asset	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Maintain Concrete Sidewalk	Maintain concrete sidewalk adjacent to the parking structure including filling and repair of minor cracks and damage		EA	M-1 Minor	FM	RM - Recurring Maintenance
61420	MORU002	61420-G2050-2	61420-G2050-2-RM	A-Asset	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Maintain Concrete Steps	Maintain concrete steps at the parking facility including filling and repair of minor cracks and damage		EA	M-1 Minor	FM	RM - Recurring Maintenance
61420	MORU002	61420-G2050-3	61420-G2050-3-RM	A-Asset	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Refinish Wood Benches	Refinish wood benches interspersed along the sidewalk and located at the 2 landings serving the 3 stairways		EA	M-1 Minor	FM	RM - Recurring Maintenance
61420	MORU002	61420-G2050-4	61420-G2050-4-DM	A-Asset	3100	G2050 - Maintained Landscape	G205008 -Planting (Grouping - Same/Mixed Species)	Replace Trees	Remove and replace 2 dead trees located outside of the Lincoln parking structure.		SF	M-1 Minor	FM	DM - Deferred Maintenance
61420	MORU002	61420-G2050-4	61420-G2050-4-RM	A-Asset	3100	G2050 - Maintained Landscape	G205008 -Planting (Grouping - Same/Mixed Species)	Maintain Landscaping	Maintain the trees and grasses planted between the garages and around the concrete sidewalk and stairs		SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-B1020-1	61421-B1020-1-RM	A-Asset	4100	B10 - Superstructure - Building	B1020 -Roof Construction	Maintain Concrete Truss	Maintain concrete trusses at the fee collection facility including filling and repair of minor cracks and damage.		SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-B2010-1	61421-B2010-1-RM	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Maintain Concrete Exterior Wall	Maintain concrete exterior walls of the fee collection facility every three years including filling and repair of minor cracks and damage.		SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-B2010-3	61421-B2010-3-RM	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Caulk Glass Exterior Wall	Caulk the windows one large panel double insulated "Store Front" design with aluminum dividers and 4 small located on the North Admin Office building and the South Toll Booths have half wall window surrounds		SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-B2030-1	61421-B2030-1-RM	A-Asset	4100	B20 - Exterior - Building	B2030 -Exterior Doors	Caulk Metal Doors	Caulk the metal doors located at each of the three toll booths		EA	M-1 Minor	FM	RM - Recurring Maintenance

Priority Year	Photo Name	Inspection Date
2014		6/23/2011
2014		6/23/2011
N/A		6/23/2011
N/A		6/23/2011
N/A	MORU002-61419-056	6/23/2011
2014		6/23/2011
N/A		6/23/2011
2014		6/23/2011
N/A		6/23/2011
N/A		6/23/2011
N/A	MORU002-61419-081	6/23/2011
2014		6/23/2011
2014		6/23/2011
2014		6/23/2011
N/A	MORU002-61420-235	6/23/2011
N/A		6/23/2011
2014		6/23/2011
2014		6/23/2011
2013		6/23/2011
N/A		6/23/2011
2012		6/23/2011
2014		6/23/2011
2014		6/23/2011
2014		6/23/2011
2014		6/23/2011
2014		6/23/2011
2014		6/23/2011

Appendix C - Deficiencies and Maintenance Requirements

61421	MORU002	61421-B3010-1	61421-B3010-1-RM	A-Asset	4100	B30 - Roofing - Building	B3010 -Roof Covering	Maintain EPDM Roof Covering	Maintain built-up roof coverings by performing a non-destructive moisture inspection of the covering	SF	S-5 Serious	FM	RM - Recurring Maintenance
61421	MORU002	61421-C1020-1	61421-C1020-1-LMAC	A-Asset	4100	C10 - Interior - Building	C1020 -Interior Doors	Install ADA Accessibility Signage	Install an international symbol sign outside the public unisex restroom.	EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61421	MORU002	61421-C1020-1	61421-C1020-1-RM	A-Asset	4100	C10 - Interior - Building	C1020 -Interior Doors	Refinish Wood Door	Refinish solid wood, interior, personnel door with varnish finish in the main building	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C1020-2	61421-C1020-2-RM	A-Asset	4100	C10 - Interior - Building	C1020 -Interior Doors	Refinish Wood Door	Refinish solid wood, interior, personnel door with varnish finish in the main building, partial glaze	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C3010-1	61421-C3010-1-RM	A-Asset	4100	C30 - Interior Finish - Building	C3010 -Wall Finishes	Paint Drywall Walls	Prepare and paint drywall walls throughout the main building and collection booths	SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C3020-1	61421-C3020-1-RM	A-Asset	4100	C30 - Interior Finish - Building	C3020 -Floor Finishes	Replace Carpet	Replace the carpeting in the main building including the waiting room, the count office and the fee booth (main building booth only)	SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C3020-2	61421-C3020-2-RM	A-Asset	4100	C30 - Interior Finish - Building	C3020 -Floor Finishes	Replace Sheet Vinyl	Replace sheet vinyl floor finish in the bathroom in the main building and in the fee booths	SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C3030-1	61421-C3030-1-RM	A-Asset	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Paint Drywall Ceiling	Prepare and paint drywall ceiling in the bathroom in the main building	SF	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-C3030-3	61421-C3030-3-CR	A-Asset	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Replace Grid Ceiling	Replace plastic grid ceiling in fee booths (does not include booth in main building), egg crate lens in tile locations	SF	M-1 Minor	FM	CR - Component Renewal
61421	MORU002	61421-C3030-3	61421-C3030-3-DM	A-Asset	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Replace Grid Ceiling	Repair egg crate lens ceiling by removing and replacing one 3'x1' ceiling panel in fee booth 105. The panel is damaged and requires replacement.	SF	M-1 Minor	FM	DM - Deferred Maintenance
61421	MORU002	61421-D2010-1	61421-D2010-1-RM	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Maintain Drinking Fountain	Correct the water pressure and replace the refrigerant for the drinking fountain located just outside the restroom in the main building.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-D2010-2	61421-D2010-2-LMAC	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Protect sink drain	Install protective booting over the lavatory drain piping in accessible toilet rooms.	EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61421	MORU002	61421-D2010-2	61421-D2010-2-RM	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Replace Lavatory Sink Faucet	Replace standard wall mounted sink located in the restroom in the main building	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-D2010-3	61421-D2010-3-LMAC	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Replace Toilet	Replace the toilet located in the restroom in the main building	EA	M-1 Minor	FM	LMAC - Legis Mandate
61421	MORU002	61421-D2010-3	61421-D2010-3-RM	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Maintain Toilet	Replace washer/diaphragm for toilet standard toilet located in the restroom in the main building	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-D2010-4	61421-D2010-4-RM	A-Asset	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Replace Kitchen Sink Faucet	Replace metal single bowl kitchen sink located in the break area	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-D2020-2	61421-D2020-2-PM	A-Asset	4100	D20 - Plumbing - Building	D2020 -Domestic Water Distribution	Maintain Electric Hot Water Heater	Maintain hot water heater located under the kitchen sink. Annually check hot water heater operation, pressure release valves, piping and surrounding area for damage, leaks or debris and make any necessary adjustments.	EA	M-1 Minor	FM	PM - Preventive Maintenance
61421	MORU002	61421-D3050-1	61421-D3050-1-PM	A-Asset	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Maintain Air Conditioner - Thru-Wall	Replace the belt, clean the fan, clean the filter and inspect the coupling alignment of the air conditioning system in the main building and each booth	EA	M-1 Minor	FM	PM - Preventive Maintenance
61421	MORU002	61421-D3050-2	61421-D3050-2-PM	A-Asset	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Maintain Packaged Terminal AC - Electric	Replace the belt, clean the fan, clean the filter and inspect the coupling alignment of the air conditioning system for the roof top unit	EA	M-1 Minor	FM	PM - Preventive Maintenance
61421	MORU002	61421-D3050-3	61421-D3050-3-PM	A-Asset	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Maintain Unit Heater	Inspect electric baseboard heaters located throughout the main building and in each booth for proper operation of controls, adjust thermostat and inspect flue, pipe and electrical wiring	EA	M-1 Minor	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5010-1	61421-D5010-1-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Transformer	Inspect transformer located in the center of the main building annually for leaks, excessive rusting, and soundness.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5010-2	61421-D5010-2-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Transformer	Inspect transformer located in the center of the main building annually for leaks, excessive rusting, and soundness.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5010-3	61421-D5010-3-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect, clean and check operation of each circuit breaker within the electrical panel located in the center of the main building	EA	S-5 Serious	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5010-4	61421-D5010-4-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect, clean and check operation of each circuit breaker within the electrical panel located in the center of the main building	EA	S-5 Serious	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5010-5	61421-D5010-5-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect, clean and check operation of each circuit breaker within the electrical panel located in the center of the main building	EA	S-5 Serious	FM	PM - Preventive Maintenance



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61421	MORU002	61421-D5010-6	61421-D5010-6-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect, clean and check operation of each circuit breaker within the electrical panel located in the center of the main building	EA	S-5 Serious	FM	PM - Preventive Maintenance
61421	MORU002	61421-D5020-1	61421-D5020-1-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Perform maintenance and repair on the HID lighting fixtures that are wall mounted HID sconce located on the walls above the bays	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-D5020-2	61421-D5020-2-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain Fluorescent Lighting	Replace fluorescent ballast and fluorescent lamps in the interior fixtures in the main building and in each booth	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-F1010-1	61421-F1010-1-RM	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Maintain Concrete Pavement	Maintain concrete bridge decking including filling and repair of minor cracks and damage.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61421	MORU002	61421-F1010-2	61421-F1010-2-RM	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Paint Metal Pipe Swing Gate	Prepare and paint the metal swing gates that are located at each incoming lane between the toll booths	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-A2020-1	61422-A2020-1-RM	A-Asset	4100	A20 - Basement - Building	A2020 -Basement Walls	Maintain Concrete - Cast in Place	Maintain concrete poured in top of the Grade Beams/Pile Caps the reinforced cast in place concrete basement walls support the exterior walls through the floors and to the roof	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B1010-1	61422-B1010-1-RM	A-Asset	4100	B10 - Superstructure - Building	B1010 -Floor Construction	Maintain Concrete Exterior Ramp	Maintain concrete exterior ramp at the parking structure including filling and repair of minor cracks and damage.	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B1010-2	61422-B1010-2-RM	A-Asset	4100	B10 - Superstructure - Building	B1010 -Floor Construction	Maintain Concrete Post Tensioned Deck	Maintain concrete bridge decking including filling and repair of minor cracks and damage.	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B1020-1	61422-B1020-1-RM	A-Asset	4100	B10 - Superstructure - Building	B1020 -Roof Construction	Maintain Concrete - Cast in Place	Maintain the concrete roofs are over the elevator shafts including filling and repair of minor cracks and damage.	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B2010-1	61422-B2010-1-DM	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Repair Water Damage To Column D24	Search and secure source of water leaks at middle level, north wall West Garage. At East Garage, rebuild col D24 at Mid Level.	SF	S-5 Serious	FM	DM - Deferred Maintenance
61422	MORU002	61422-B2010-1	61422-B2010-1-LMAC	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Install Directional ADA Signage	Install directional signage in the Parking Structures to direct visitors towards an accessible path of travel. Specifically, the walkway leading to the landscape areas on the 2nd level that are near the accessible stalls should direct disabled visitors towards the elevators since the landscape areas are not accessible to the main plaza area.	SF	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61422	MORU002	61422-B2010-1	61422-B2010-1-RM	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Maintain Concrete - Cast in Place	Maintain the 12 inch thick concrete cast in place walls that support the poured in place and post tensioned middle and upper decks at both Garages including filling and repair of minor cracks and damage. 4 wall elevations are covered by Cast in Place Planter Boxes.	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B2010-3	61422-B2010-3-RM	A-Asset	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Maintain Concrete Columns - Cast in Place	Maintain cast in place, concrete columns, 12"x12" throughout parking structure supported by concrete drilled piers, columns span two levels of the parking structure	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B2030-1	61422-B2030-1-RM	A-Asset	4100	B20 - Exterior - Building	B2030 -Exterior Doors	Paint Metal Doors	Prepare and paint the exterior metal doors located at each Elevator Machine Room and doors for each Mech/Elect room per Garage	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-B3010-1	61422-B3010-1-RM	A-Asset	4100	B30 - Roofing - Building	B3010 -Roof Covering	Maintain EPDM Roof Covering	Maintain built-up roof coverings located over the elevator shafts by performing a non-destructive moisture inspection of the covering	SF	S-5 Serious	FM	RM - Recurring Maintenance
61422	MORU002	61422-C2010-1	61422-C2010-1-RM	A-Asset	4100	C20 - Stairs - Building	C2010 -Stair	Maintain Concrete Steps	Maintain the concrete stairs at each garage including filling and repair of minor cracks and damage.	SF	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D1010-1	61422-D1010-1-PM	A-Asset	4100	D10 - Conveying - Building	D1010 -Elevators and Lifts	Maintain Elevator	Maintain the elevator located on the Washington side of the structure inspect and adjust controller overloads, timers, hatch doors, locks, rollers tracks, upthrusts, closers, motors, gear boxes, limits and zone switches. inspect, clean and lubricate door operator roller tracks, related cables, clutch, retiring cam and door gib. Check car rails, brackets and fish plates. Tighten connections and clean controller fuses and holders.	EA	S-5 Serious	FM	PM - Preventive Maintenance

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		2014		6/23/2011
		2012		6/23/2011

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61422	MORU002	61422-D1010-2	61422-D1010-2-PM	A-Asset	4100	D10 - Conveying - Building	D1010 -Elevators and Lifts	Maintain Elevator	Maintain the elevator located on the Lincoln side of the structure. Perform all checks. Inspect and adjust controller overloads, timers, hatch doors, locks, rollers tracks, upthrusts, closers, motors, gear boxes, limits and zone switches. Inspect, clean and lubricate door operator roller tracks, related cables, clutch, retiring cam and door glb. Check car rails, brackets and fish plates. Tighten connections and clean controller fuses and holders.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D3040-1	61422-D3040-1-PM	A-Asset	4100	D30 - HVAC - Building	D3040 -Distribution System	Maintain Exhaust Fan	Maintain exhaust fans located in each of the mechanical and elevator rooms. Inspect components for proper operation and check operations of exhaust blower on roof including: lubricate bearings; adjust tension of fan belts and clean fan blades as required.	EA	M-1 Minor	FM	PM - Preventive Maintenance
61422	MORU002	61422-D3050-1	61422-D3050-1-PM	A-Asset	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Maintain Unit Heater	Maintain unit heaters located in each of the mechanical and elevator rooms. Inspect for proper operation of controls, adjust thermostat and inspect flue, pipe and electrical wiring.	EA	M-1 Minor	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-1	61422-D5010-1-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Maintain Motor Control Center	Maintain the motor control center located in the generator room of the Lincoln side of the parking structure. Inspect, clean and check operation of the motor control center.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-2	61422-D5010-2-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located on the Washington side of the structure in the mechanical room. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-3	61422-D5010-3-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located on the Washington side of the structure in the mechanical room. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-4	61422-D5010-4-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located on the Washington side of the structure in the mechanical room. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-5	61422-D5010-5-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located in the generator room on the Lincoln side of the structure. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-6	61422-D5010-6-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located in the generator room on the Lincoln side of the structure. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-7	61422-D5010-7-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Panel board	Inspect the panel board located in the generator room on the Lincoln side of the structure. Inspect, clean and check operation of each circuit breaker within the electrical panel.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5010-8	61422-D5010-8-PM	A-Asset	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Inspect Transformer	Inspect the transformer located on the Washington side of the structure in the mechanical room. Inspect transformer for leaks, excessive rusting, and soundness.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-D5020-10	61422-D5020-10-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain the lighting fixtures located at the spot lighting for the flag pole in the center section of the parking structure. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-11	61422-D5020-11-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain pendant lighting in the structure. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-1	61422-D5020-1-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain the lighting fixtures located near the elevator areas on each level of the structure on both sides. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance

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61422	MORU002	61422-D5020-2	61422-D5020-2-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain wall mounted HID sconce located in the skylights of each structure and on the walls of the structure. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-3	61422-D5020-3-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain stairway lighting for all sets of stairs. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-4	61422-D5020-4-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain Incandescent Lighting Fixtures	Maintain area lighting for the mechanical and elevator rooms. Perform maintenance and repair on the incandescent lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-5	61422-D5020-5-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain Incandescent Lighting Fixtures	Maintain 14' steel painted pole with 1 HID fixture located on the bottom level outside the structure. Perform maintenance and repair on the incandescent lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-6	61422-D5020-6-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain 14' steel painted pole with 2 HID fixtures located on the top level outside the structure. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-7	61422-D5020-7-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain 20' steel painted pole with 2 HID fixtures located on the top level of the structure. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-8	61422-D5020-8-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain Type 2 pedestal light located at the top of the center landscaping section between the two structures. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5020-9	61422-D5020-9-RM	A-Asset	4100	D50 - Electrical - Building	D5020 -Lighting & Branch Wiring	Maintain High Intensity Discharge Lighting Fixtures	Maintain Type 1 pedestal light located along the sidewalks in the center landscaping section between the two structures. Perform maintenance and repair on the HID lighting fixtures.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-D5090-1	61422-D5090-1-PM	A-Asset	4100	D50 - Electrical - Building	D5090 -Electrical Systems - Other	Maintain Exit Lighting Fixtures	Maintain one-sided fixtures located at the elevator landings on each floor below the top floor. Test lights and change back-up batteries.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61422	MORU002	61422-F1010-1	61422-F1010-1-RM	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Replace Parking Lot Striping	Replace typical 4-inch wide white painted parking spot delineations, one coat.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61422	MORU002	61422-F1010-1	61422-F1010-1-LMAC	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Restripe Accessible Parking Spaces	Restripe the accessible parking spaces throughout the parking garages so that the spaces meet the required width of 96" wide.	EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61422	MORU002	61422-F1010-2	61422-F1010-2-LMAC	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Re-Install Metal-Railings	Repair metal railing located at the upper level Washington ramp to meet the requirement for the height of a handrail above a ramp is between 34" and 38". The rail heights at the upper level parking structure Washington ramp (connecting to the landscape area) varies between 32" and 34".	EA	M-1 Minor	FM	LMAC - Legis Mandate Accessibility
61422	MORU002	61422-F1010-2	61422-F1010-2-RM	A-Asset	4100	F10 - Special Feature - Building	F1010 -Special Structures	Maintain Metal-Railings	Maintain the metal railings throughout the parking structure by sanding and resealing any corrosion and caulking the bases.	EA	M-1 Minor	FM	RM - Recurring Maintenance
61423	MORU002	61423-G4010-2	61423-G4010-2-PM	A-Asset	5400	G4010 - Electrical System	G401003 -Switches, Controls & Devices	Maintain Transfer Switch	Maintain the transfer switch located in the bottom floor of the Lincoln side of the parking structure. Inspect the transfer switches and repair any loose wires. Clean exterior of switches. Inspect and tighten connections of transformer.	EA	S-5 Serious	FM	PM - Preventive Maintenance
61423	MORU002	61423-G4010-4	61423-G4010-4-PM	A-Asset	5400	G4010 - Electrical System	G409020 -Electrical Generation	Maintain Generator Set	Maintain generator located in the bottom floor of the Lincoln side of the parking structure. Check fluids on engine, inspect wiring and connections, perform 30 minute generator test run.	EA	S-5 Serious	FM	PM - Preventive Maintenance

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65006	MORU002	65006-G3020-1	65006-G3020-1-RM-1	A-Asset	5200	G3020 - Waste Water System	G302005 -Septic Tanks	Maintain Septic Tank	Pump out tank located 90 feet west of Toll Booth and Admin Office south of the Parking Garages as guidelines schedule dictates and verify proper operation	EA	M-1 Minor	FM	RM - Recurring Maintenance
65006	MORU002	65006-G3020-1	65006-G3020-1-RM-2	A-Asset	5200	G3020 - Waste Water System	G302005 -Septic Tanks	Maintain Septic Tank	Inspect, clean and verify proper operation of septic tank located 90 feet west of Toll Booth and Admin Office south of the Parking Garages	EA	M-1 Minor	FM	RM - Recurring Maintenance
61423	MORU002	61423-G4010-5	61423-G4010-5-PM	A-Asset	5400	G4010 - Electrical System	G401089 -Other Electric Transmission & Distribution	Maintain Electric Unit Heater	Maintain the electric unit heater located in the generator room. Inspect for proper operation of controls, adjust thermostat and inspect flue, pipe and electrical wiring	EA	M-1 Minor	FM	PM - Preventive Maintenance

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	2013	6/23/2011
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	2012	6/23/2011
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Park: Mount Rushmore National Memorial  
 Contact: [REDACTED]

CaseID: MORU002  
 CA Date: 8/23/2011

FMS# Location Code	CaseID	Location Description	Asset Component ID	Location Type Code	WBS Component Level 2	WBS Subcomponent Level 3	Asset (Component) Brief Description	Asset (Component) Detailed Description	Asset Location	Manufacturer	Model	Serial Number	UOM
81419	MORU002	Fee Parking Loop Road	81419-G2010-1	1100	G2010 - Roads	G201002 -Drains, Inlets, Curbs & Gutters	Metal Grates	Metal Grates that allow roadway surface run off water to enter the Concrete underground pipe away system located at low points of Loop, especially to the South West.	1/1/1998				LF
81419	MORU002	Fee Parking Loop Road	81419-G2010-10	1100	G2010 - Roads	G201003 -Surfaces	Concrete Bridge Abutments	Heavy duty abutment walls to the north and to the south support the Outer Loop Bridge.	1/1/1998				SF
81419	MORU002	Fee Parking Loop Road	81419-G2010-11	1100	G2010 - Roads	G201005 -Guardrails & Barriers	Metal - Barriers/Gates	Painted, steel metal gates throughout the road restricting access to various portions of the road and parking lot (10 each at approximately 8 LF each).	1/1/1998				LF
81419	MORU002	Fee Parking Loop Road	81419-G2010-2	1100	G2010 - Roads	G201002 -Drains, Inlets, Curbs & Gutters	Concrete Curbing	Concrete curb with profile of 6 inch by 6 inch and 24 inch wide gutter pans assemblies that define edge of roadway, protect and form perimeter of Loop and the outer edge of Asphalt.	1/1/1998				LF
81419	MORU002	Fee Parking Loop Road	81419-G2010-3	1100	G2010 - Roads	G201003 -Surfaces	Asphalt Pavement	Key feature of Roadway, the heavy duty and once overlaid asphalt surface allows vehicles to traverse the Loop of approximately 0.6 miles. There is an inner and outer loop, the outer being elevated to the north side.	1/1/1998				SF
81419	MORU002	Fee Parking Loop Road	81419-G2010-4	1100	G2010 - Roads	G201004 -Marking & Signage	Paint - Marking and Signage	Painted line markings on the asphalt surface delineate the travel lanes and provide side parking where indicated (1710 LF).	1/1/1998				EA
81419	MORU002	Fee Parking Loop Road	81419-G2010-5	1100	G2010 - Roads	G201004 -Marking & Signage	Metal - Marking and Signage	Standard Roadway signage both post mounted and wall mounted for noting special features and regulations to drivers. Located at bus parking, standard parking and Handicap slots.	1/1/1998				EA
81419	MORU002	Fee Parking Loop Road	81419-G2010-6	1100	G2010 - Roads	G201005 -Guardrails & Barriers	Metal and Wood - Guardrails and Barriers	Located at high side, eastern arc, the metal and wood post vehicle barrier provides safety protection against crashes.	1/1/1998				LF
81419	MORU002	Fee Parking Loop Road	81419-G2010-7	1100	G2010 - Roads	G201003 -Surfaces	Concrete Sidewalk	Located at the vehicle allowed parking segments of the roadway, the 4 foot wide sidewalk allows those who park there to walk to the Monument alongside the moving traffic of the Loop.	1/1/1998				SF
81419	MORU002	Fee Parking Loop Road	81419-G2010-8	1100	G2010 - Roads	G201005 -Guardrails & Barriers	Concrete Retaining Wall	Heavy duty retaining walls required as the Loop is built on the side of hill, and the garages are partially underground where the walls are protection mostly the North Side, the High side.	1/1/1998				SF
81419	MORU002	Fee Parking Loop Road	81419-G2010-9	1100	G2010 - Roads	G201003 -Surfaces	Concrete Bridge Decking	Located at the "12 O'clock" position on the Loop Roadway, the Bridge spans over the Inner Loop where the cars can access either of the 2 Garages, or the Busses can drive over the Bridge itself on the Outer Loop.	1/1/1998				SF
81420	MORU002	Parking Facility Developed Landscape	81420-G2050-1	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Concrete Sidewalk	8 foot wide Concrete Sidewalk system which originates at East and West Garages, and having 2 egress points per Garage, which allows persons exiting their parked cars to leave the garages at 2 levels each, walk thru a landscaped grassy area heading north to the Monument View Paved Walkway.	1/1/1998				SF
81420	MORU002	Parking Facility Developed Landscape	81420-G2050-2	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Concrete Steps	Three sets of Concrete Stairways. Each stair has metal body-hand rails on each side and down the middle, too.	1/1/1998				SF
81420	MORU002	Parking Facility Developed Landscape	81420-G2050-3	3100	G2050 - Maintained Landscape	G205011 -Landscape Structure/Furnishings	Wood Benches	Located at the 2 landings serving the 3 stairways of the concrete sidewalk system are 2-foot wide by 5 foot long wooden benches for persons comfort and overall landscape appearance.	1/1/1998				EA
81420	MORU002	Parking Facility Developed Landscape	81420-G2050-4	3100	G2050 - Maintained Landscape	G205008 -Planting (Grouping - Same/Mixed Species)	Organic-Trees and Grasses	Trees and grasses are planted and maintained between the Garages, and around the Concrete Sidewalk and Stairs.	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-A1020-1	4100	A10 - Foundation - Building	A1020 -Foundation - Special	Concrete Pier	Built under each column is concrete drilled pier for bearing to rock with an estimated depth of 20 feet. Grade Beams on the Pier Caps support the North Admin Office walls, and the End Walls or the South Toll Booth Roof.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-A1030-1	4100	A10 - Foundation - Building	A1030 -Foundation - Slab on Grade	Concrete Slab On-Grade Foundation	The concrete Slab on Grade is located only at the north side Administration Office Building. The South side has concrete traffic bearing apron.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-B1020-1	4100	B10 - Superstructure - Building	B1020 -Roof Construction	Concrete Truss	The Precast Corad Planks are 3 feet wide by 8 inch thick and with 4 bores each span the length over the three toll booth stations.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-B2010-1	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Concrete CIP Exterior Wall	The North Admin Office Building has 12 inch thick concrete cast in place reinforced walls to support the roof, while the South Toll Booth Roof is supported by an east and west end cast in place end walls with intermediate columns.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-B2010-2	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Masonry - Stone - Exterior Wall Finish/Covering	There is light pepper speckled colored granite veneer attached the portions of the North Admin Office Building cast in place concrete walls especially favoring the east side viewed by motorists as they arrive. The Granite is also wrapped around the Toll Booth columns.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-B2010-3	4100	B20 - Exterior - Building	B2010 -Exterior Walls	Glass - Curtain Wall - Exterior Wall	The windows on large panel double insulated "Store Front" design with aluminum dividers and 4 sashes located on the North Admin Office building. The South Toll Booths have half wall window surrounds.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-B2030-1	4100	B20 - Exterior - Building	B2030 -Exterior Doors	Metal Exterior Door	Matching the Storefront Glazing System is 2 single 3/0 x 6/8 full lite exterior doors with aluminum frames and quality hardware. Each of the three Toll Booths has small operator entry door.	1/1/2004				EA
81421	MORU002	Fee Collection Facility	81421-B3010-1	4100	B30 - Roofing - Building	B3010 -Roof Covering	EPDM - Single Ply w/Ballast	The roofing membrane is 60 gauge Carlisle Rubber EPDM and is fully covered by gravel ballast, for excellent hold down and UV ray protection.	1/1/2004				SF
81421	MORU002	Fee Collection Facility	81421-C1020-1	4100	C10 - Interior - Building	C1020 -Interior Doors	Varnished Interior Wood Door	Solid wood interior, personnel door with varnish finish in the main building.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-C1020-2	4100	C10 - Interior - Building	C1020 -Interior Doors	Varnished Interior Wood Door	Solid wood interior, personnel door with varnish finish in the main building, partial glaze (approximately 2'x2').	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-C3010-1	4100	C30 - Interior Finish - Building	C3010 -Wall Finishes	Painted Drywall Wall Finish	Painted drywall walls throughout the main building and collection booths.	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-C3020-1	4100	C30 - Interior Finish - Building	C3020 -Floor Finishes	Carpet Flooring	Carpeting in the main building including the waiting room, the court office and the fee booth (main building booth only).	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-C3020-2	4100	C30 - Interior Finish - Building	C3020 -Floor Finishes	Sheet Vinyl Flooring	Sheet vinyl floor finish in the bathroom in the main building and in the fee booths.	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-C3030-1	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Painted Drywall Ceiling	Painted drywall ceiling in the bathroom in the main building.	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-C3030-2	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Acoustical Suspended Ceiling Tile	Acoustical ceiling tile finish throughout the main building except in the bathroom, 2'x2'	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-C3030-3	4100	C30 - Interior Finish - Building	C3030 -Ceiling Finishes	Plastic Grid Ceiling	Plastic grid ceiling in fee booths (does not include booth in main building), egg crate lens in the locations.	1/1/1998				SF
81421	MORU002	Fee Collection Facility	81421-D2010-1	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Drinking Fountain - Metal	Standard drinking fountain located just outside the restroom in the main building.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2010-2	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Lavatory Sink - Wall Hung	Standard wall mounted sink located in the restroom in the main building.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2010-3	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Toilet - Ceramic	Standard toilet located in the restroom in the main building.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2010-4	4100	D20 - Plumbing - Building	D2010 -Plumbing Fixture	Kitchen Sink - Single Bowl	Standard single bowl kitchen sink located in the break area.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2020-1	4100	D20 - Plumbing - Building	D2020 -Domestic Water Distribution	Copper - <1" Pipe	Domestic water piping for the building located in the walls equivalent to 200 linear feet.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2020-2	4100	D20 - Plumbing - Building	D2020 -Domestic Water Distribution	Electric Hot Water Heater - 15 Gal	Domestic water heater located under the kitchen sink. There were no visible data tags.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D2030-1	4100	D20 - Plumbing - Building	D2030 -Sanitary Waste	Cast Iron - Waste Piping, 6"	Sanitary sewer for the building located throughout the building equivalent to 100 linear feet of piping.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D3050-1	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Air Conditioner - Thru-Wall <25000 BTUH	Air conditioning units for the main building (2 each) and each booth (3 each). There were no data tags visible.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D3050-2	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Packaged Terminal AC - Electric	Roof mounted unit American Standard brand, Model: WCC018F100BE, Serial:0494T372H	1/1/1998	American Standard	WCC018F100BE	494T372H	EA
81421	MORU002	Fee Collection Facility	81421-D3050-3	4100	D30 - HVAC - Building	D3050 -Terminal & Package Unit	Unit Heater - Electric	Electric baseboard heaters located throughout the main building and in each booth.	1/1/1998				EA
81421	MORU002	Fee Collection Facility	81421-D5010-1	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Dry Type/Three Phase - 480V P-120/208V 8(9-45KVA) - Transformers	Cutler Hammer brand, Cat V48M28T15B, 3PH, 15 KVA located in the center of the main building.	1/1/1998	Cutler Hammer			EA
81421	MORU002	Fee Collection Facility	81421-D5010-2	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Dry Type/Three Phase - 480V P-120/208V 8(9-45KVA) - Transformers	Siemens brand, 30KVA, 3PH, CAT 3FY030ST located in the center of the main building.	1/1/1998	Siemens			EA
81421	MORU002	Fee Collection Facility	81421-D5010-3	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Panelboard - 200-400 AMP	"LC" Siemens brand, 120/ 208 volt, 300A located in the center of the main building.	1/1/1998	Siemens			EA
81421	MDRU002	Fee Collection Facility	81421-D5010-4	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Panelboard - 100-200 AMP	"XLC" Siemens brand, 120/ 208 volt 150A located in the center of the main building.	1/1/1998	Siemens			EA
81421	MORU002	Fee Collection Facility	81421-D5010-5	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Panelboard - 100-200 AMP	"XHC" Siemens brand, 120/ 208 volt 100A located in the center of the main building.	1/1/1998	Siemens			EA
81421	MORU002	Fee Collection Facility	81421-D5010-6	4100	D50 - Electrical - Building	D5010 -Electrical Service & Distribution	Panelboard - 100-200 AMP	"HC" Siemens brand, 120/ 208 volt 100A located in the center of the main building.	1/1/1998	Siemens			EA



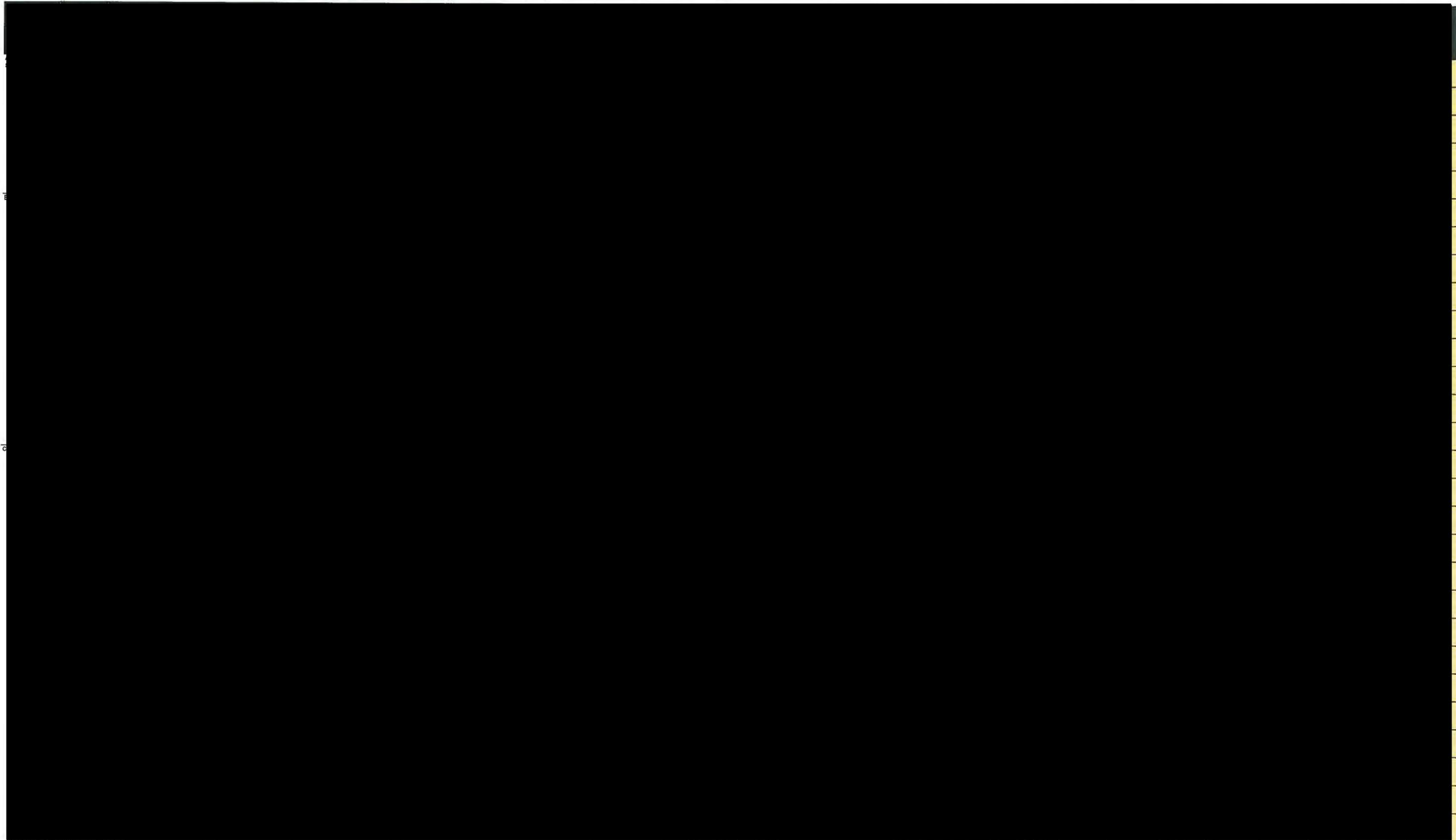


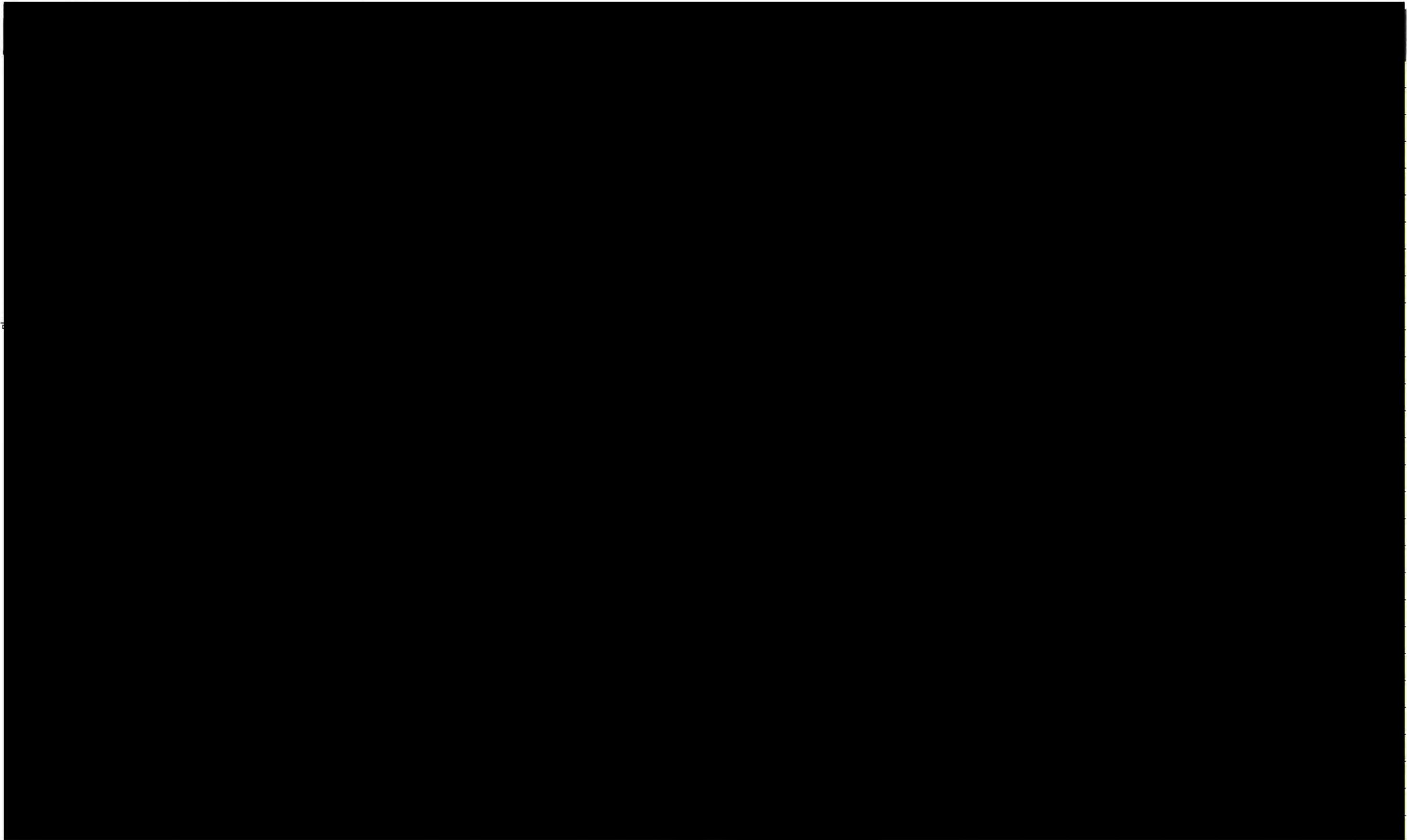
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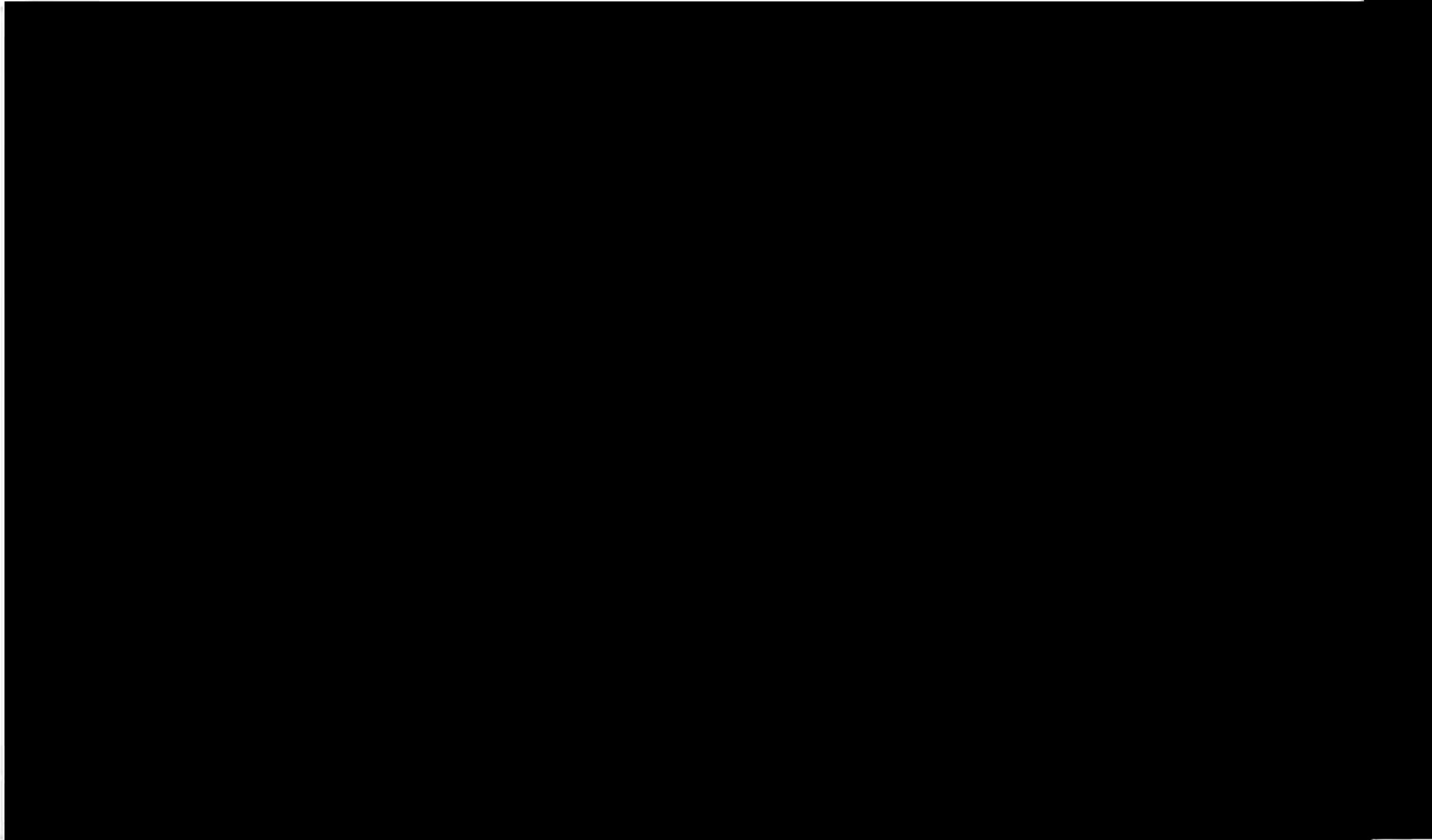
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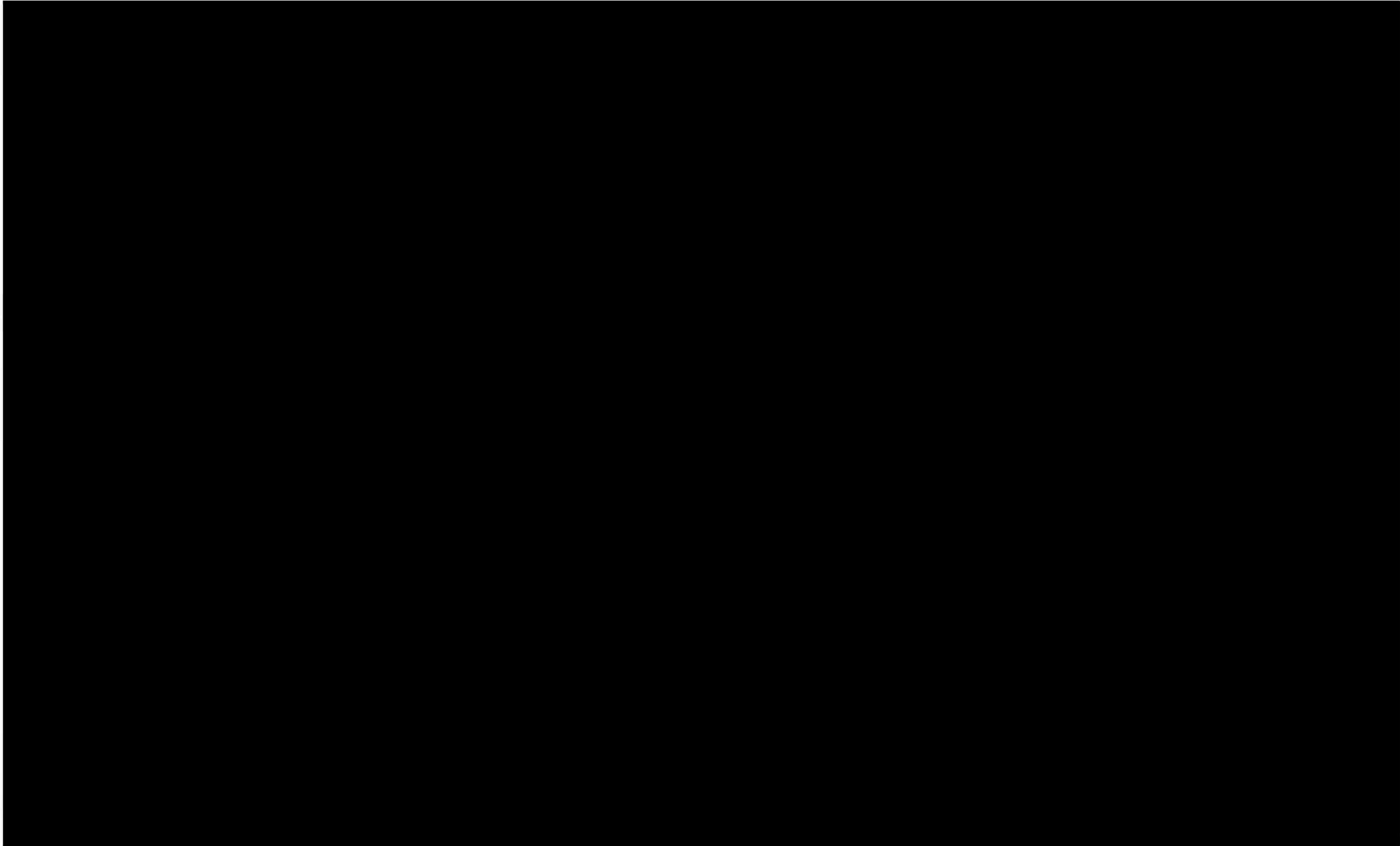
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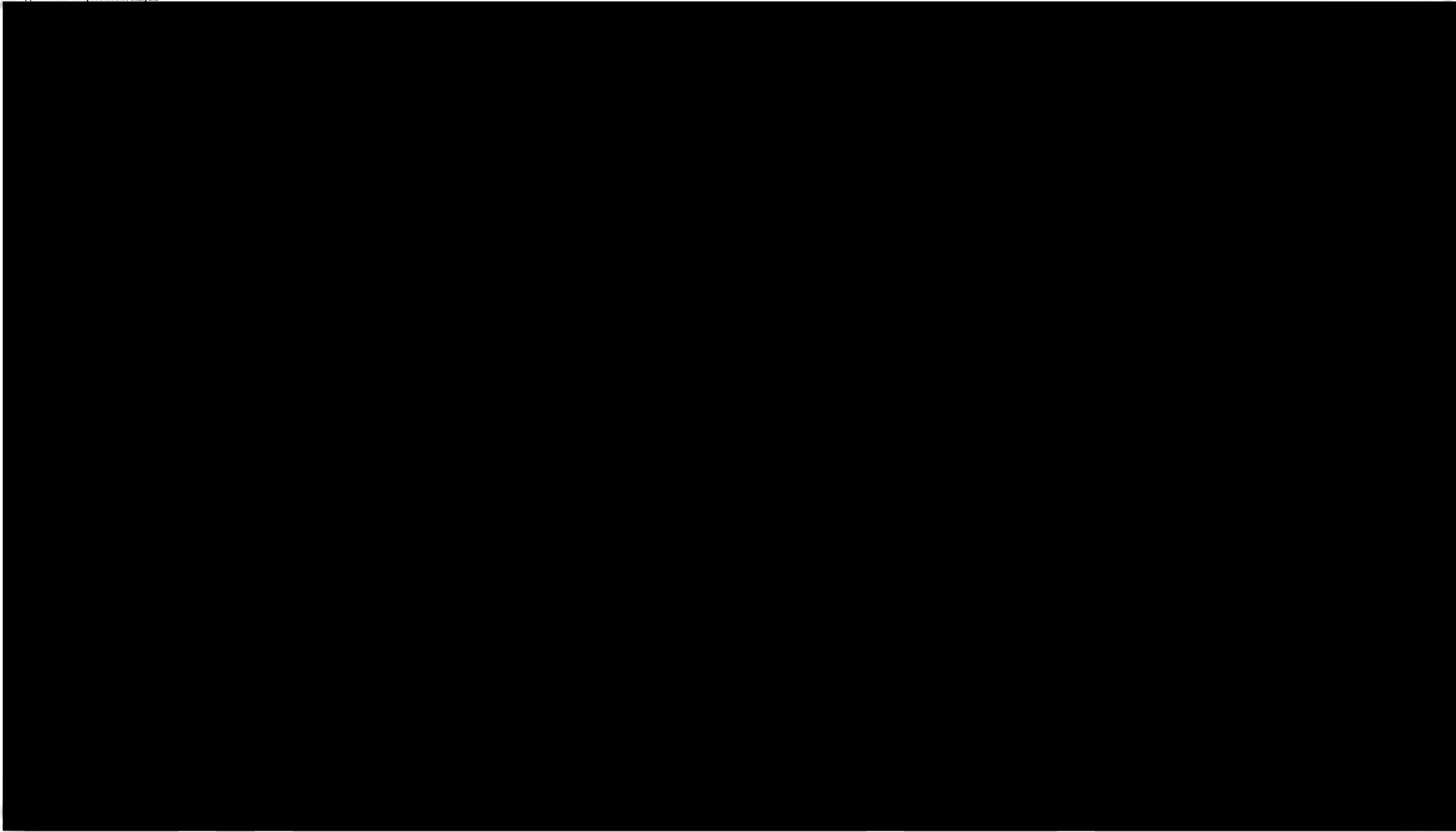
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ConclID: MORU002  
CA Date: 6/23/2011

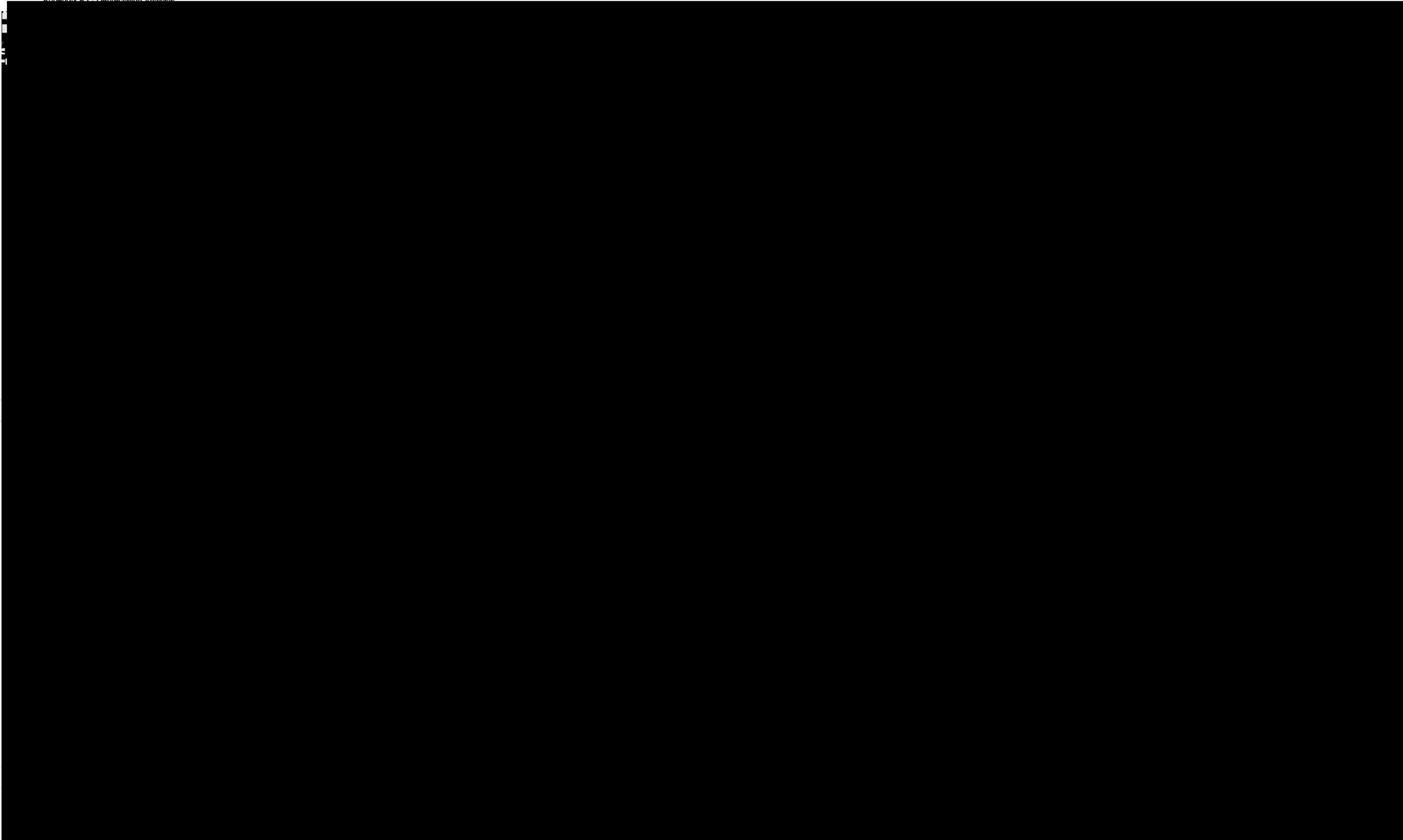




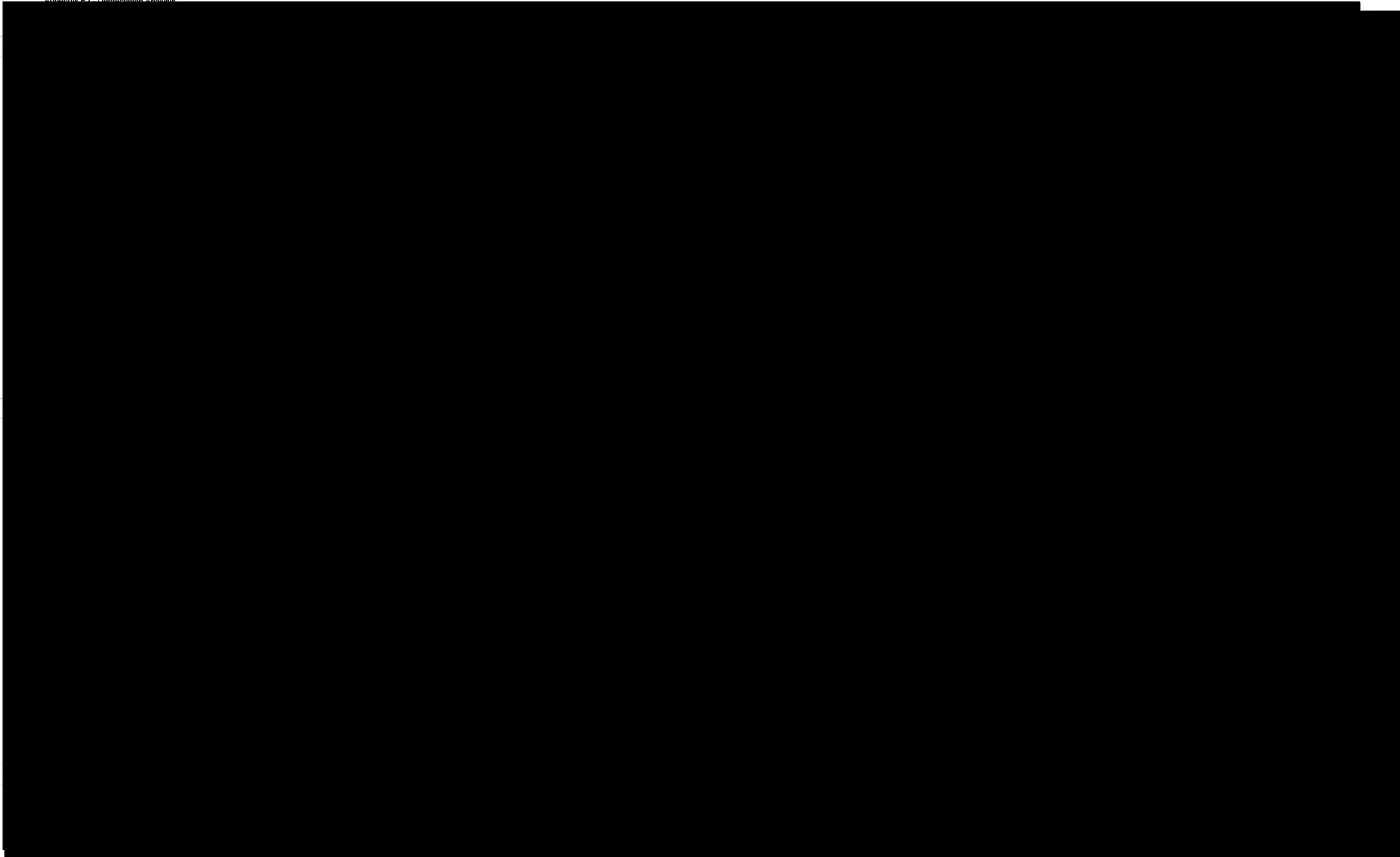














Appendix E2 - Depreciation Analysis

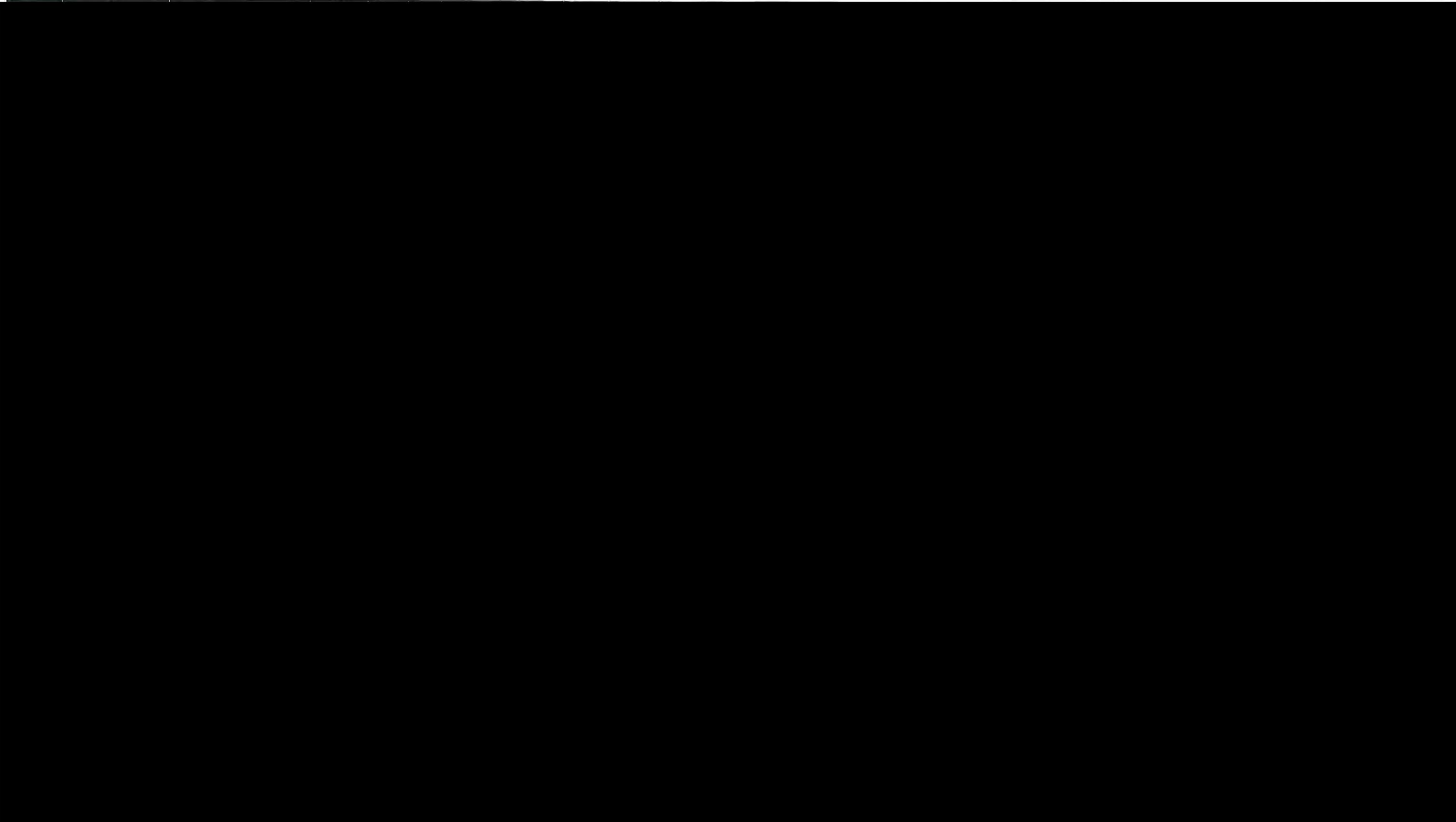
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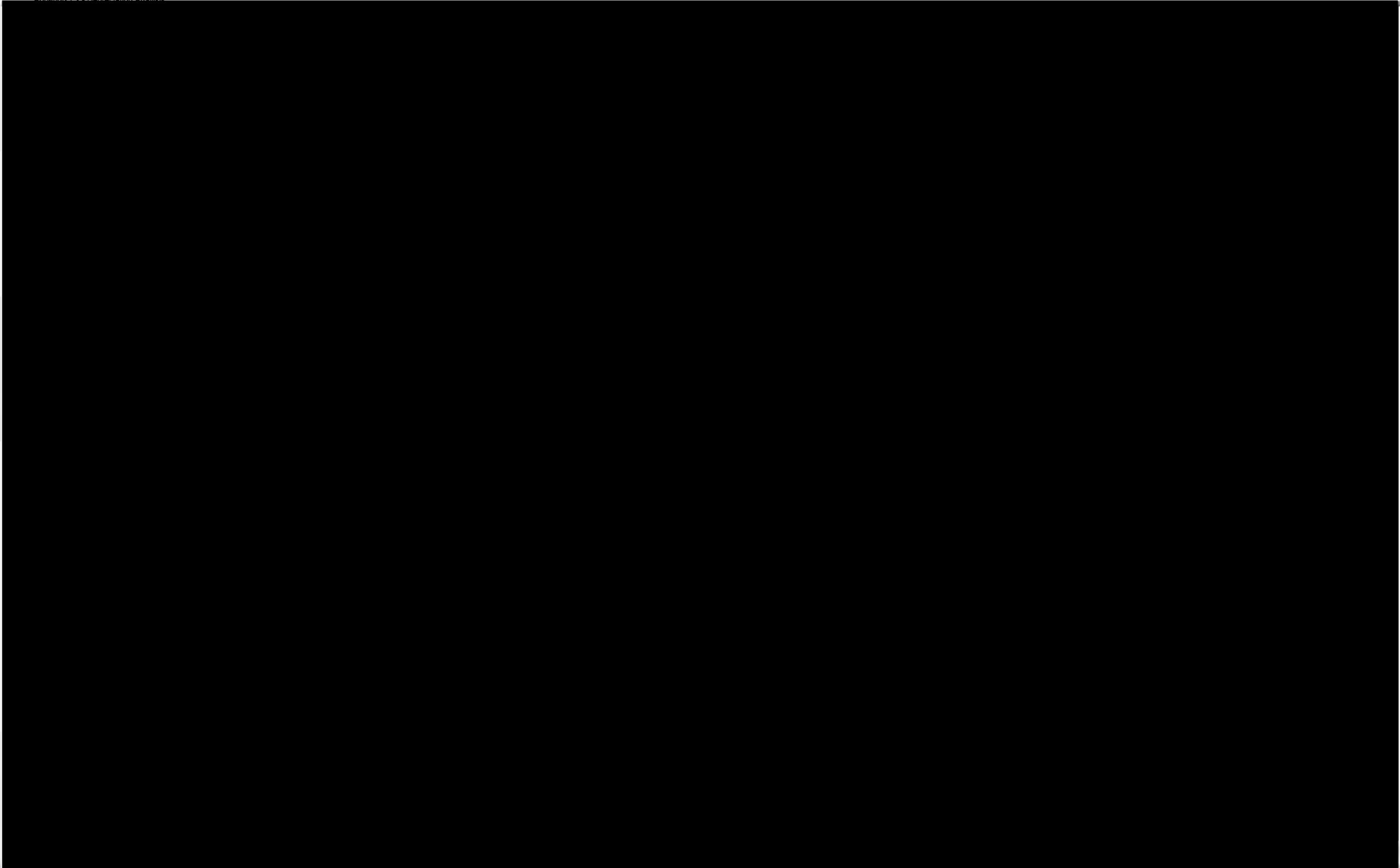
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Park: Mount Rushmore National Mem

ConclID: MORU002

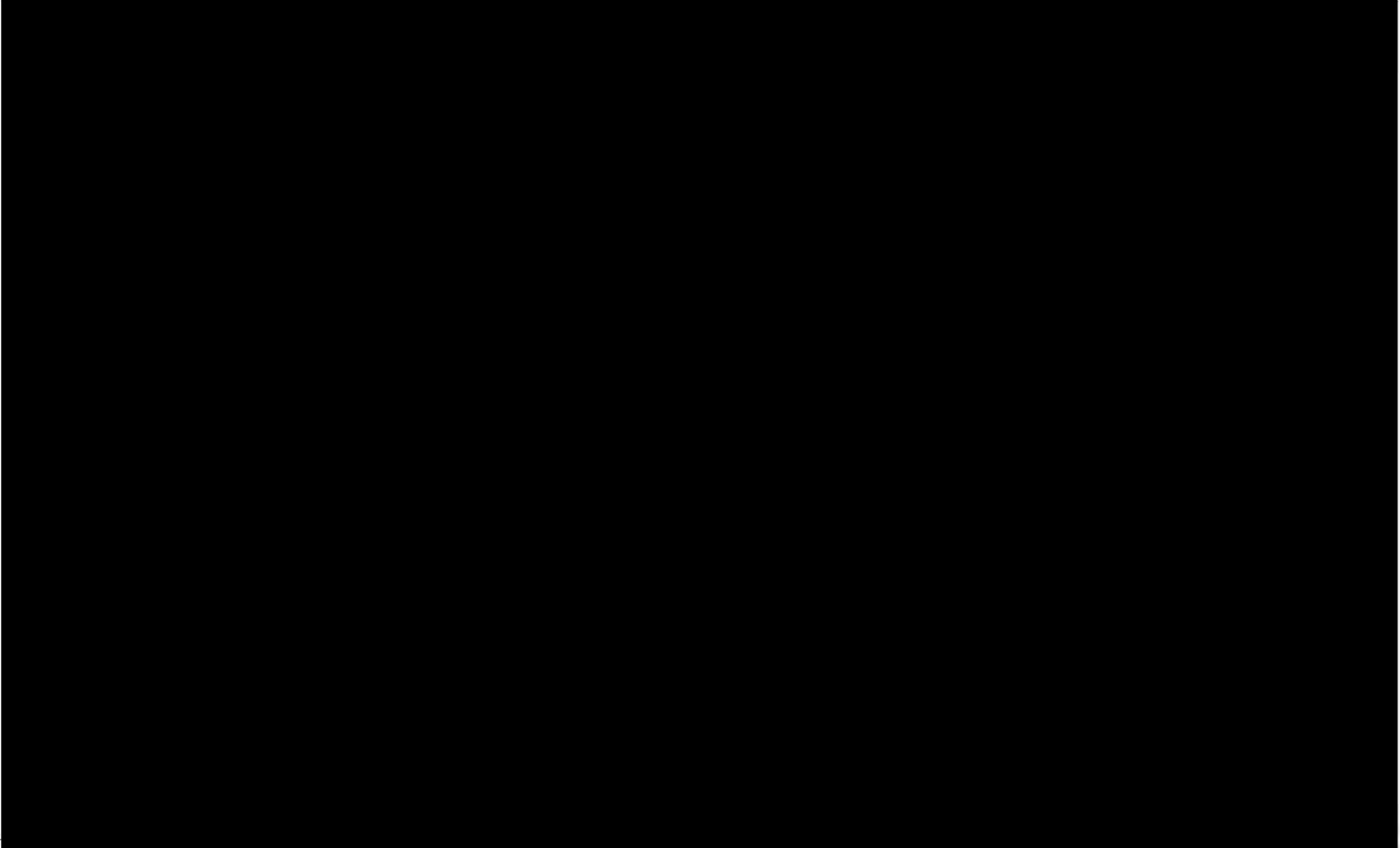
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For NPS

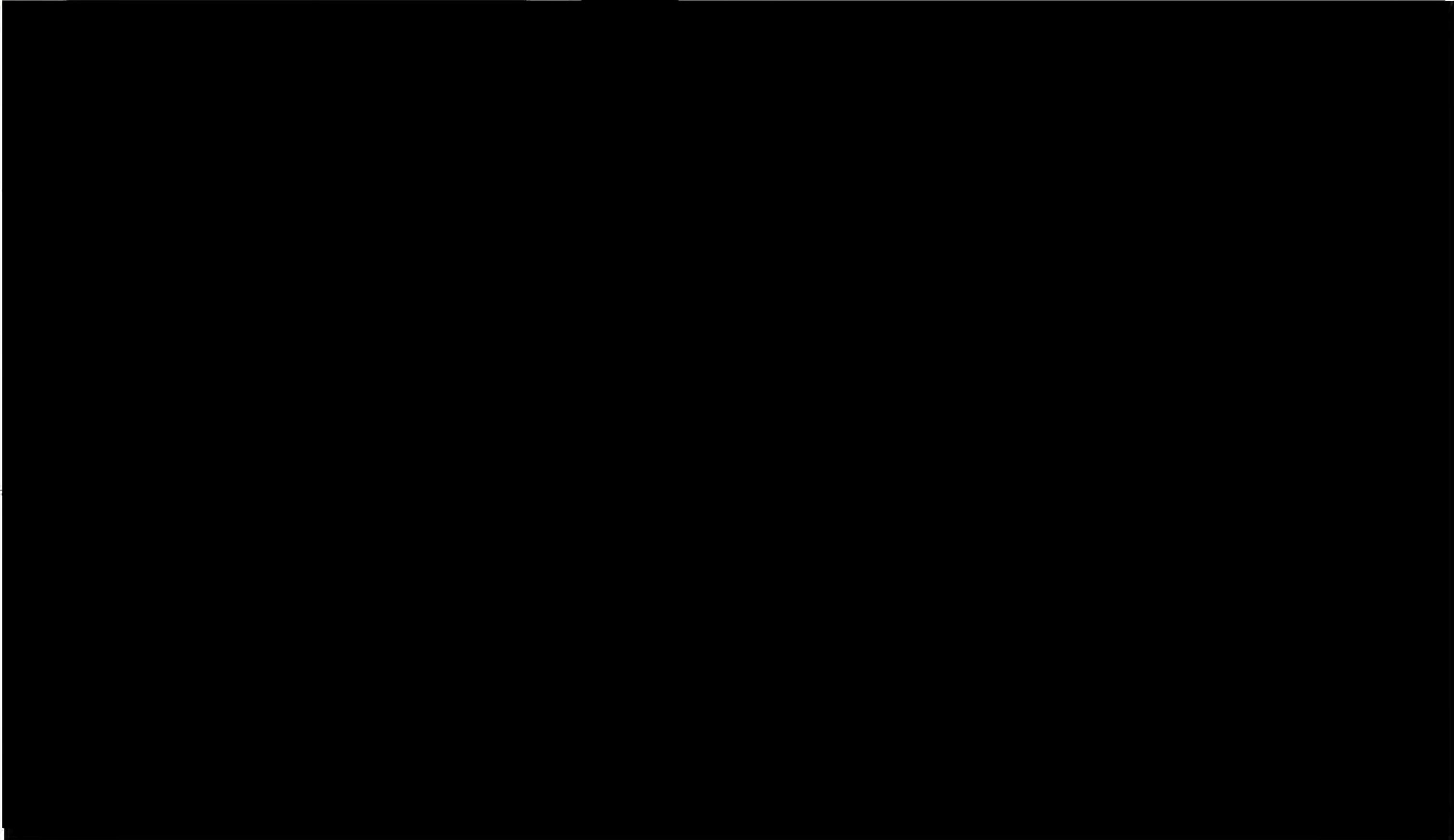


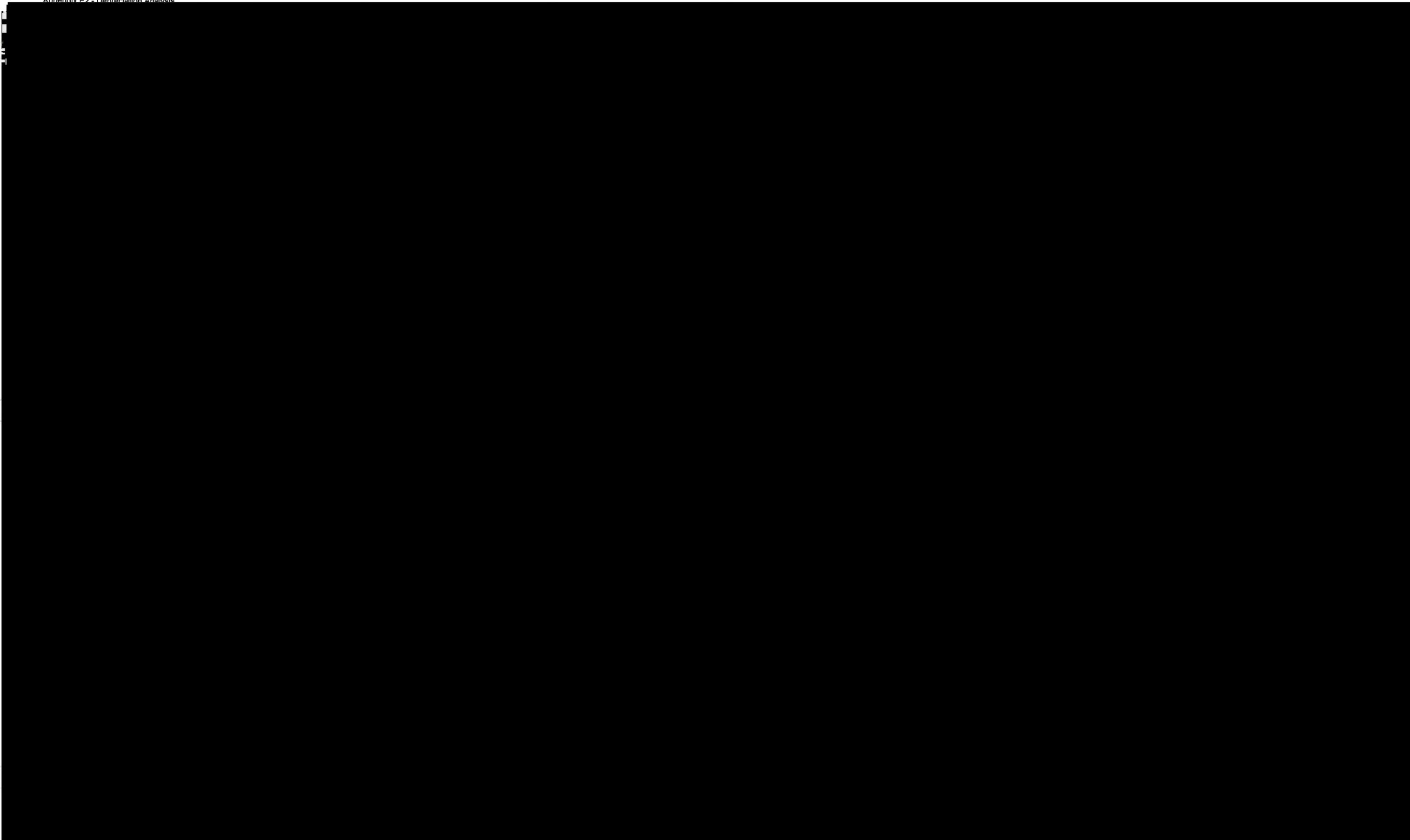


For NPS Internal Use Only

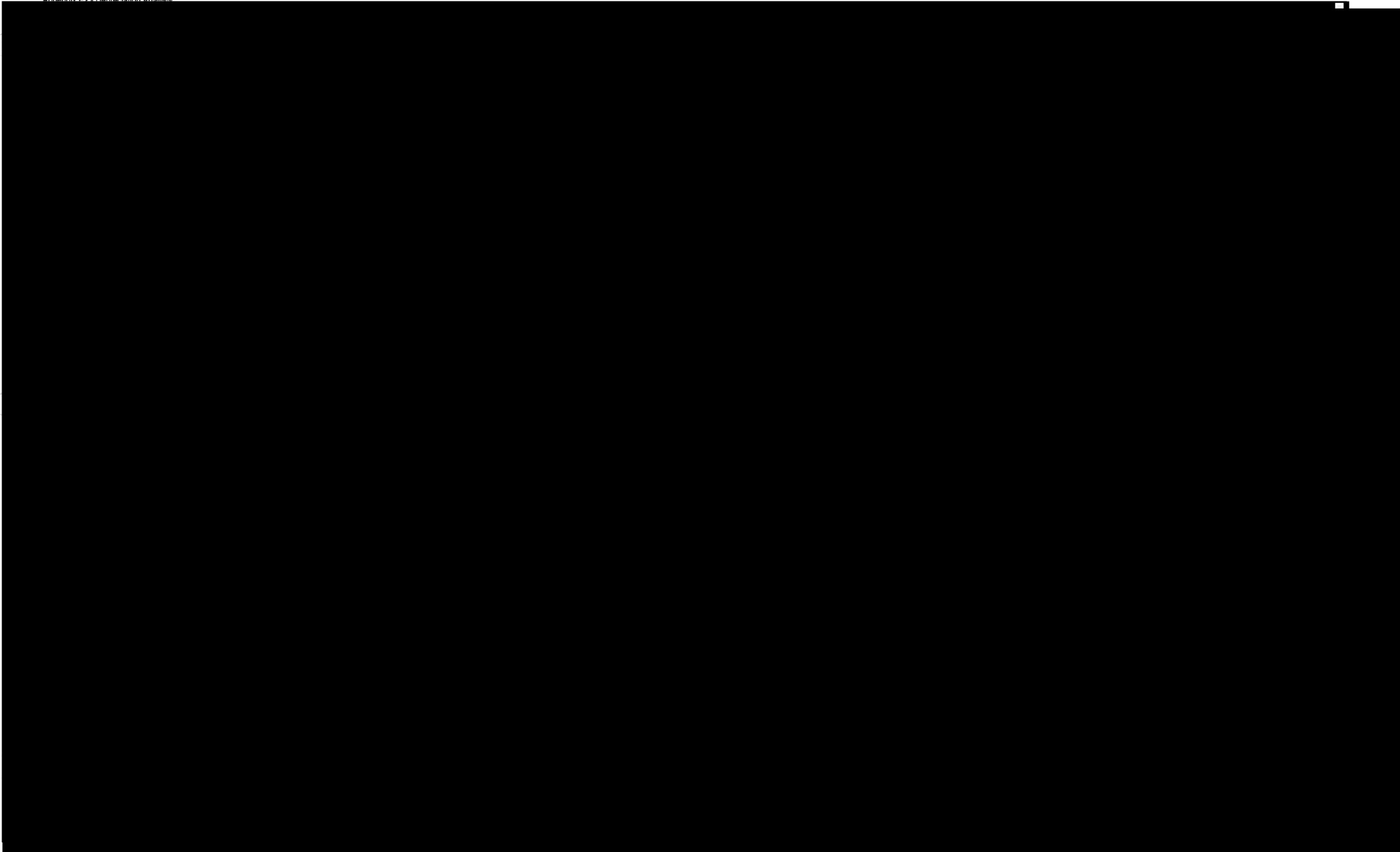
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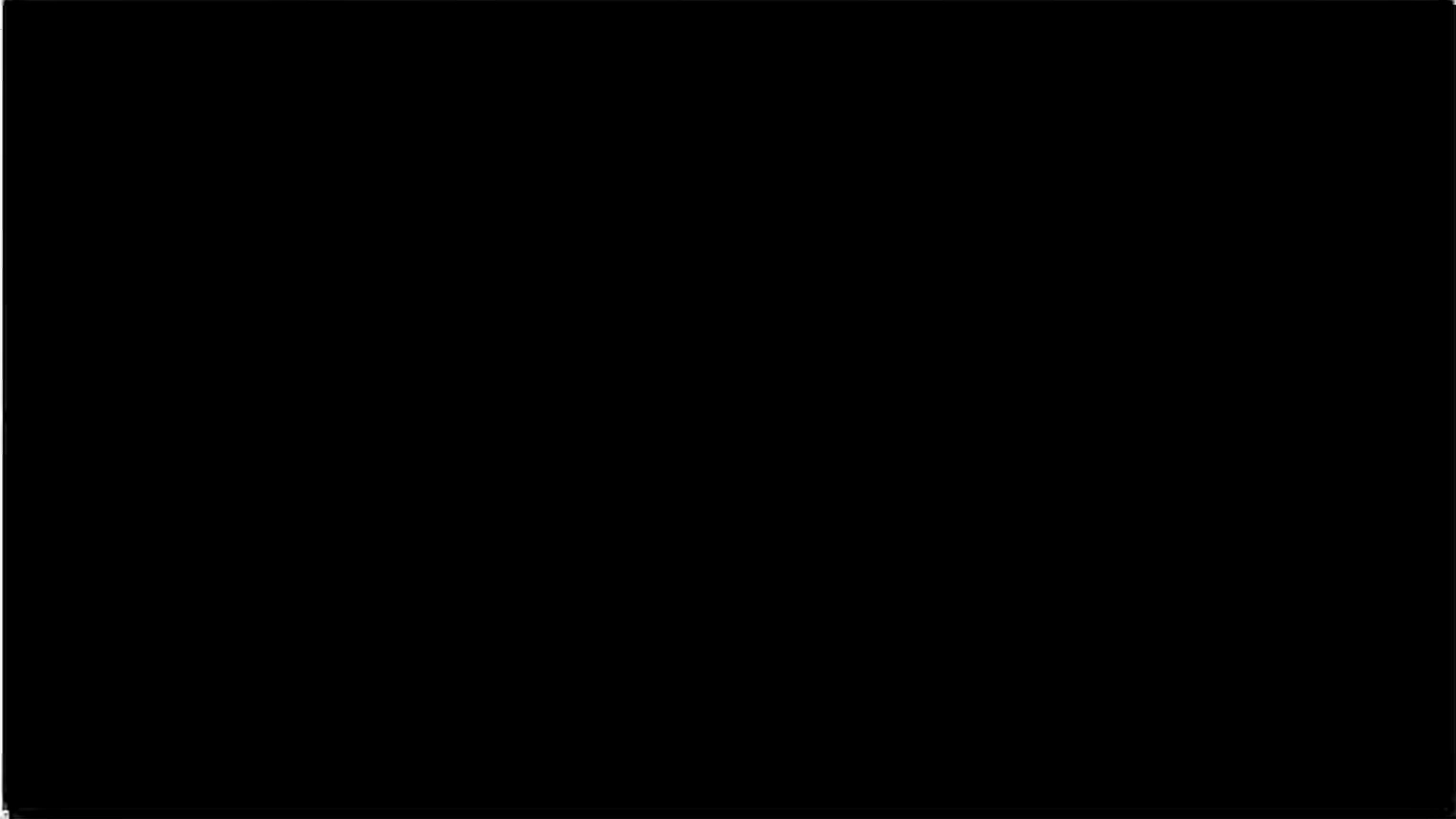
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CA Date: 6/23/2011





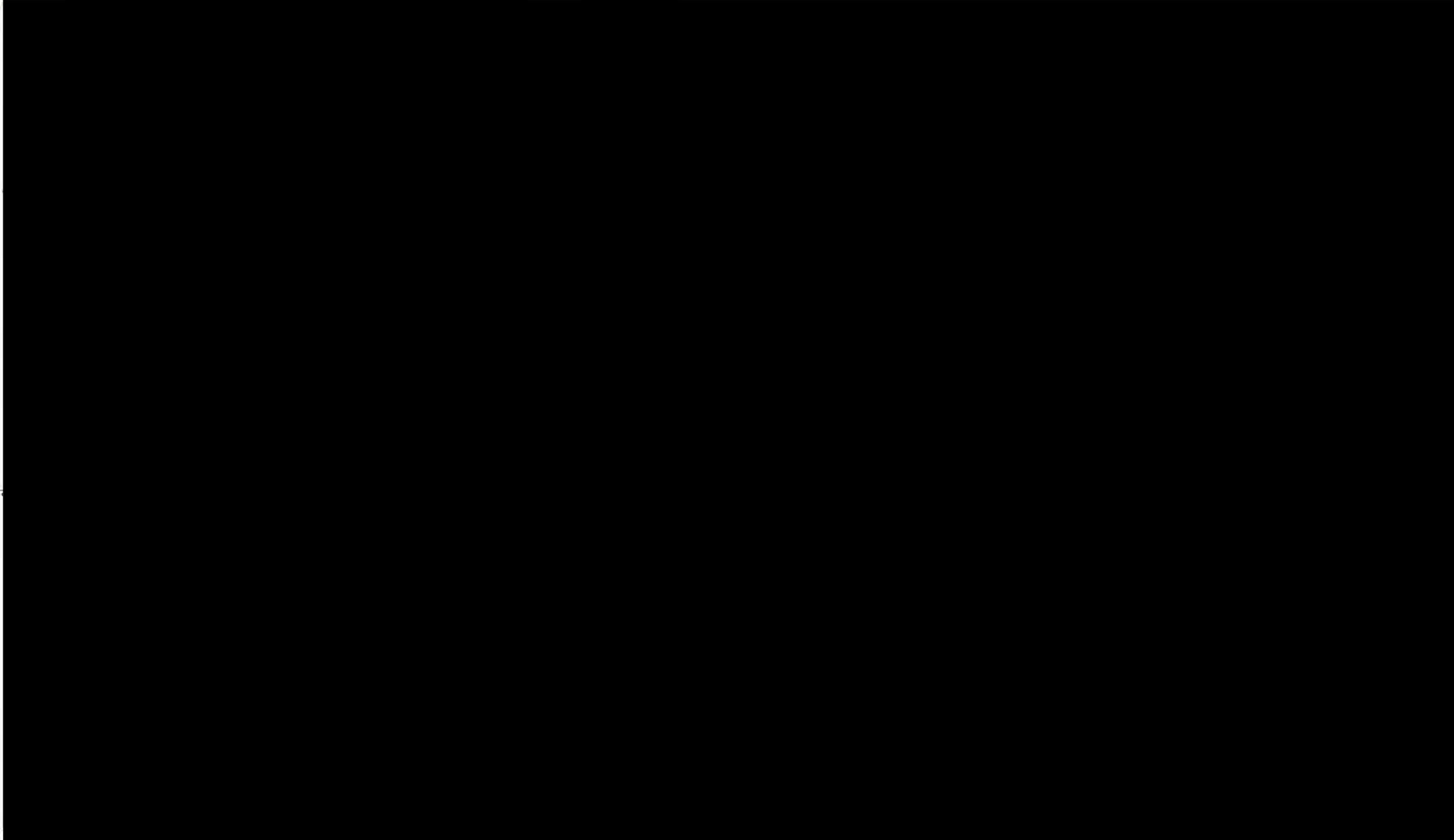


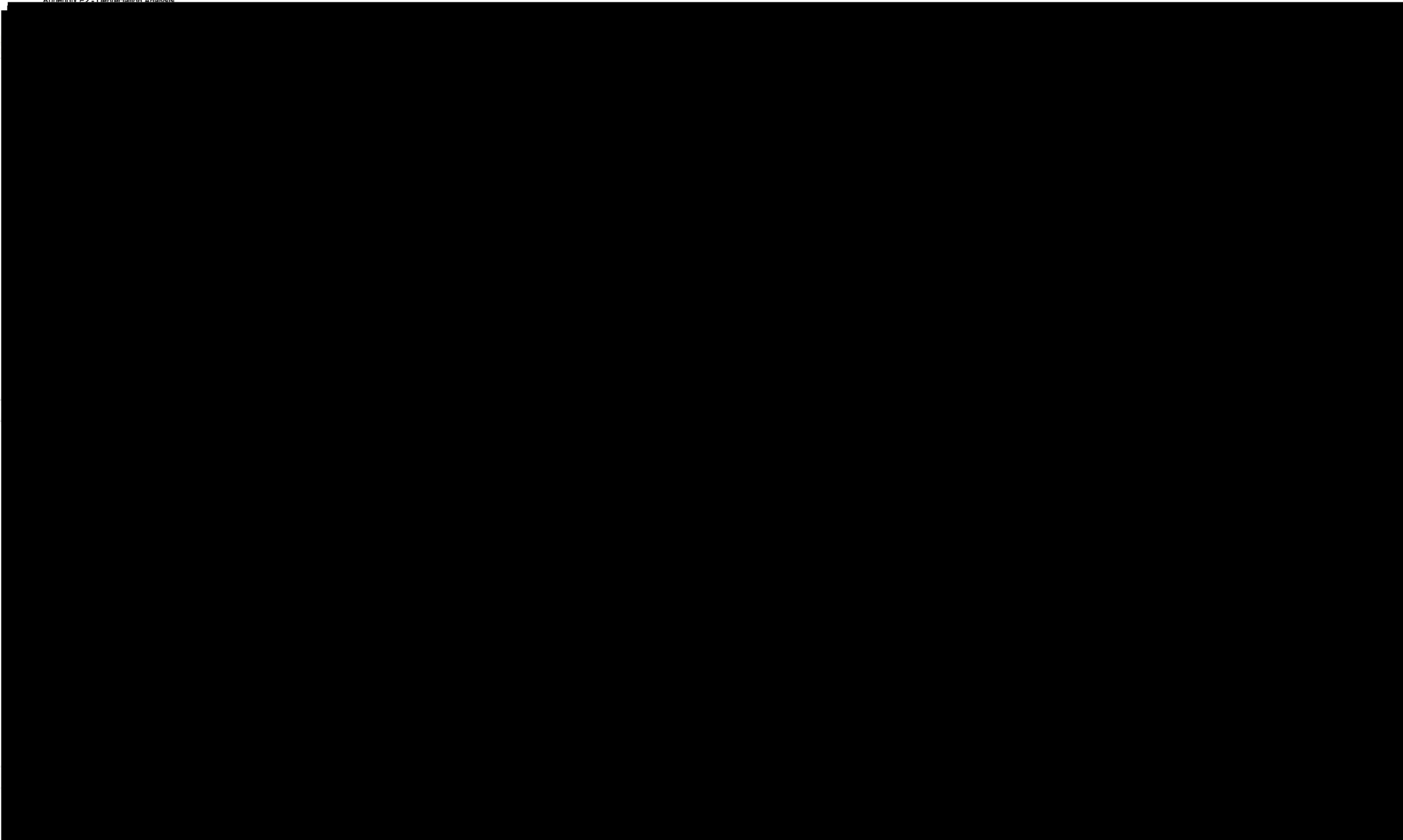




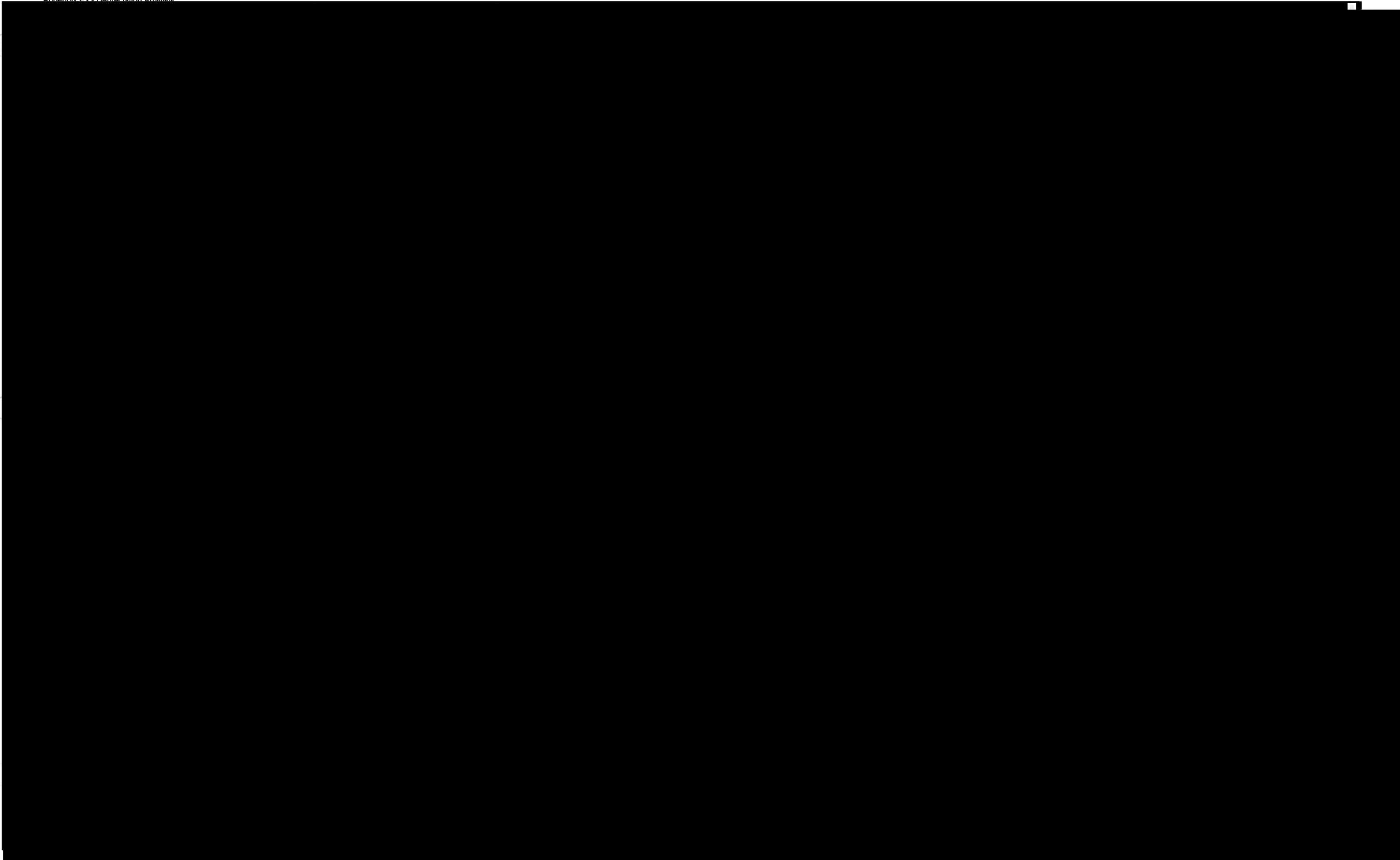
FMSS Location  
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Park: Mount Rushmore National Mem      ConcID: MORU002  
CA Date: 6/23/2011







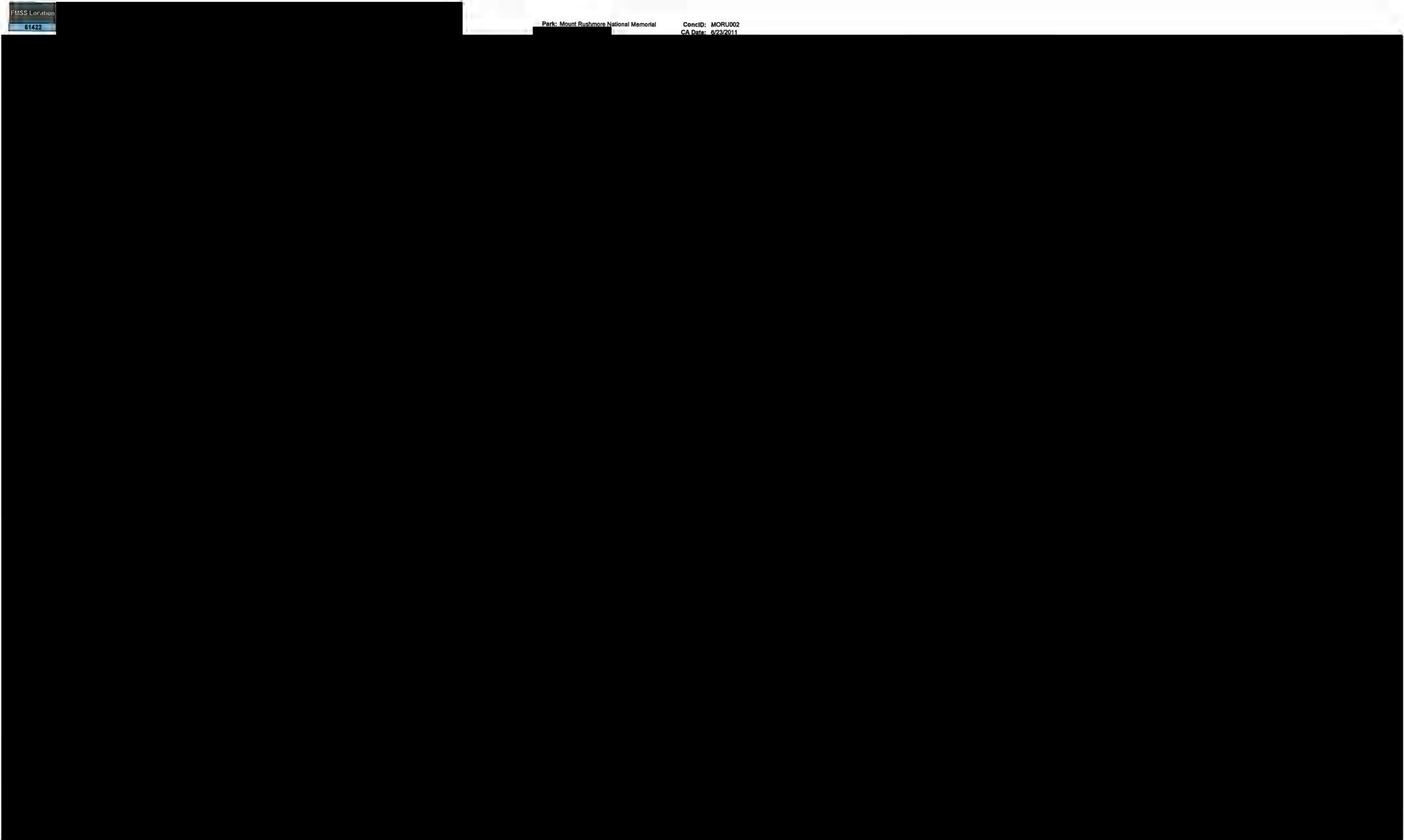


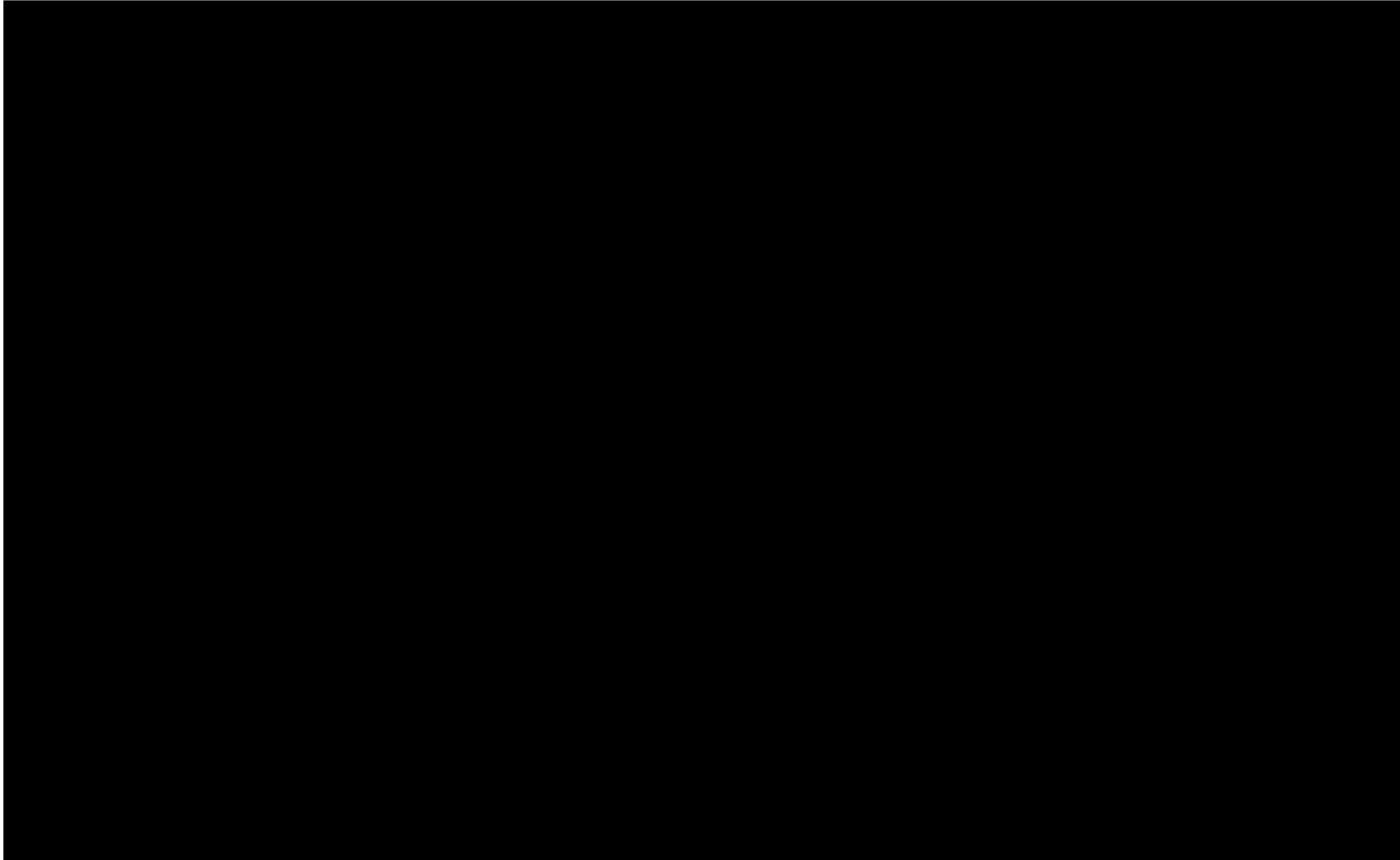


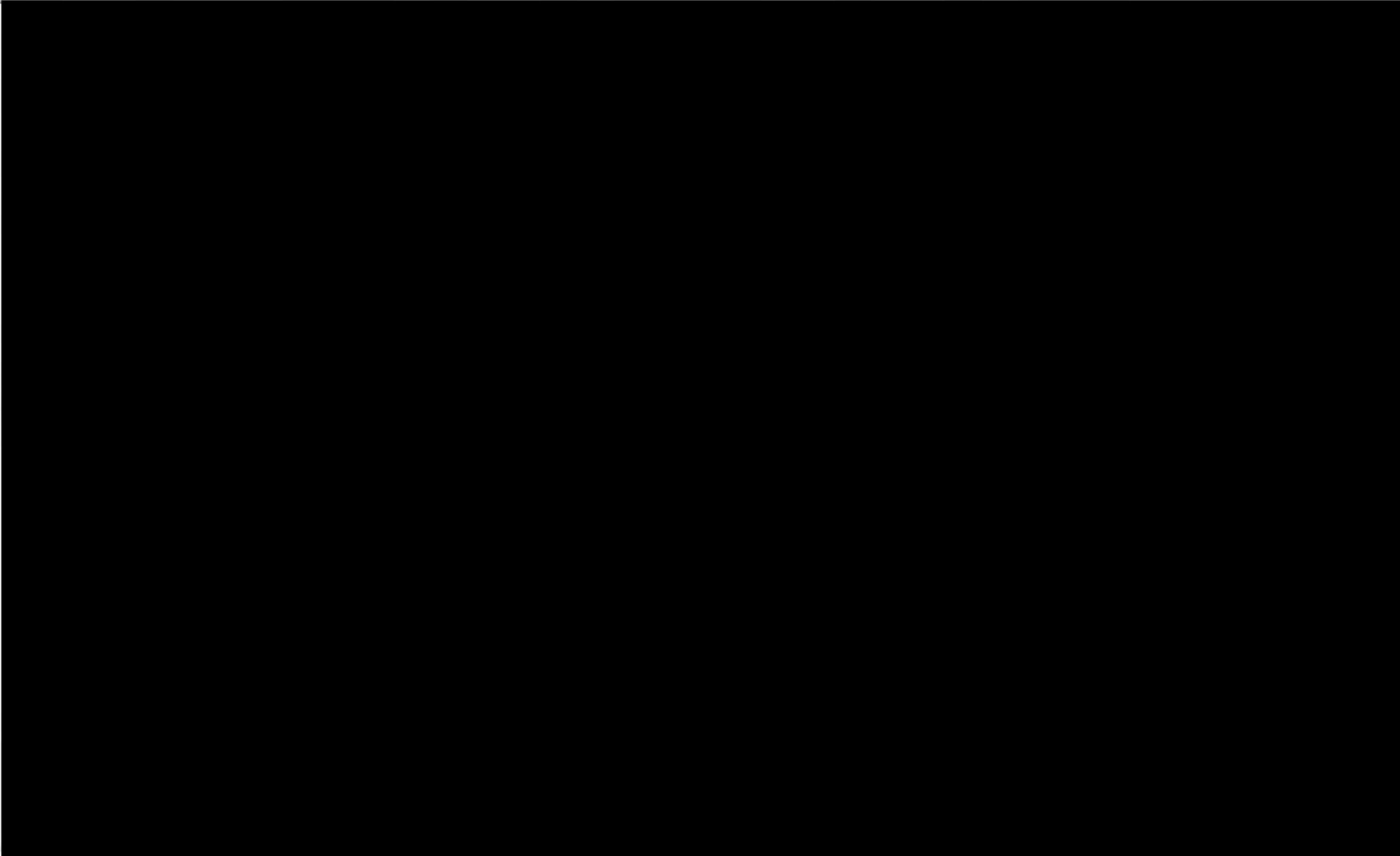
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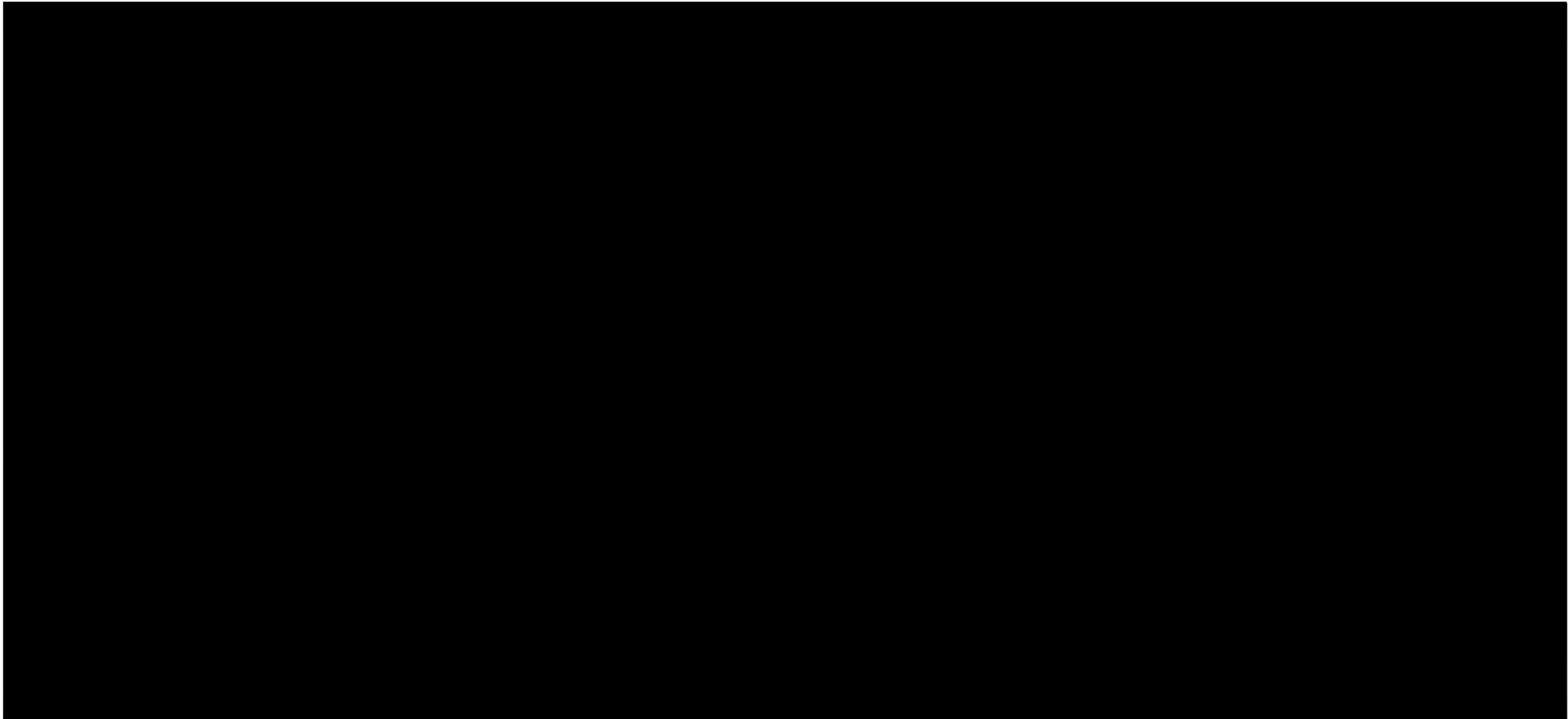
Park: Mount Rushmore National Memorial

ConclID: MORU002  
CA Date: 8/23/2011

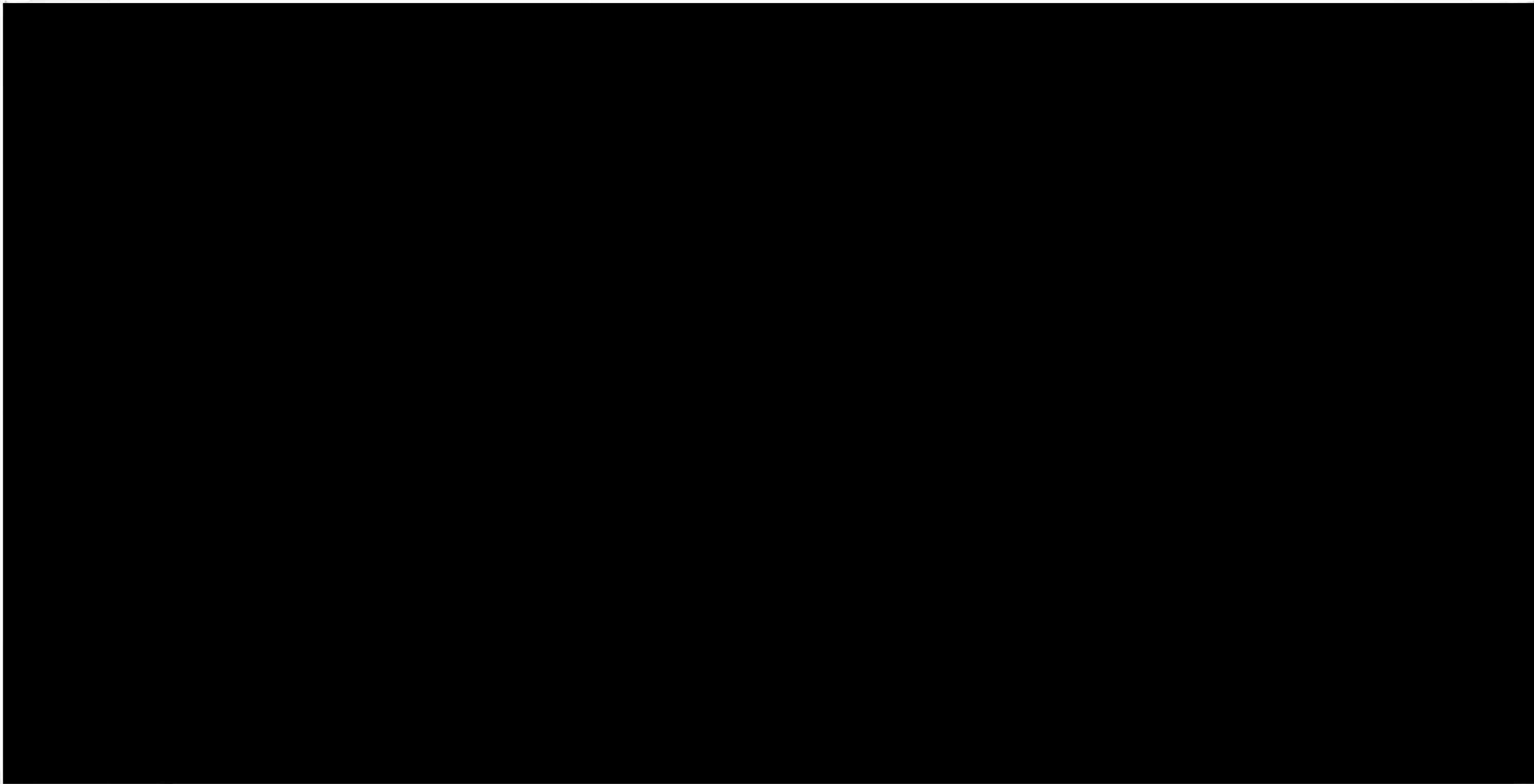






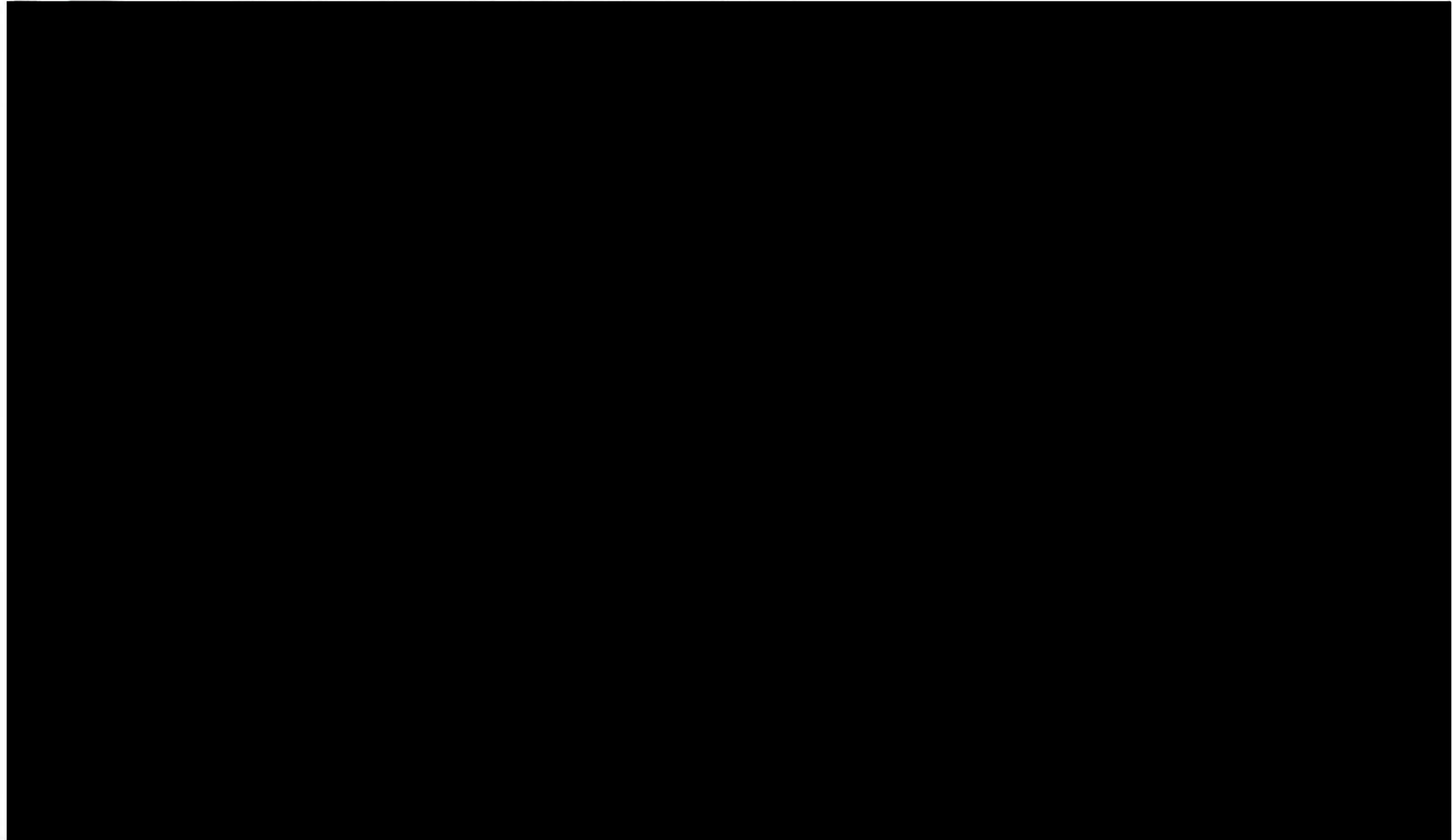


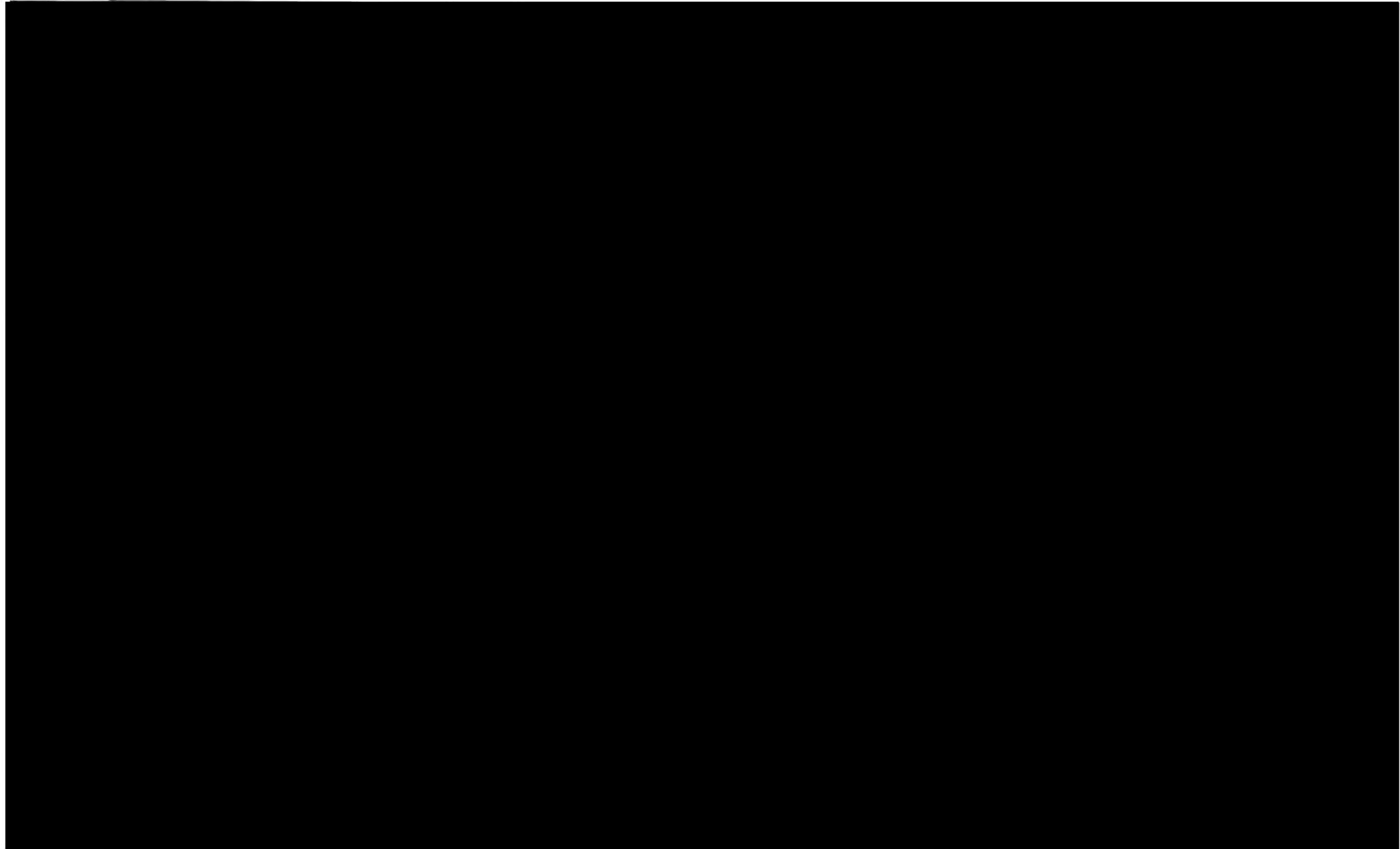
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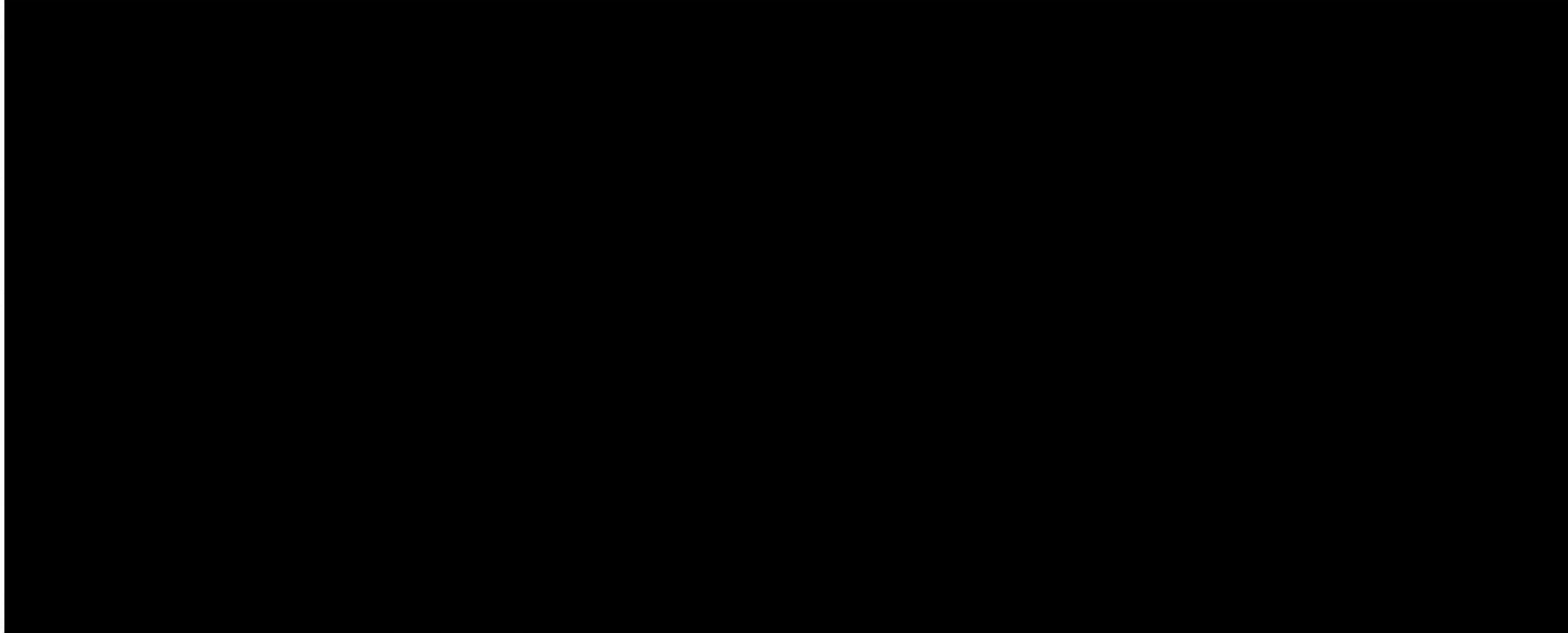
FMS Location  
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Park: Mount Rushmore National M  
ConclID: MORU002  
CA Date: 6/23/2011

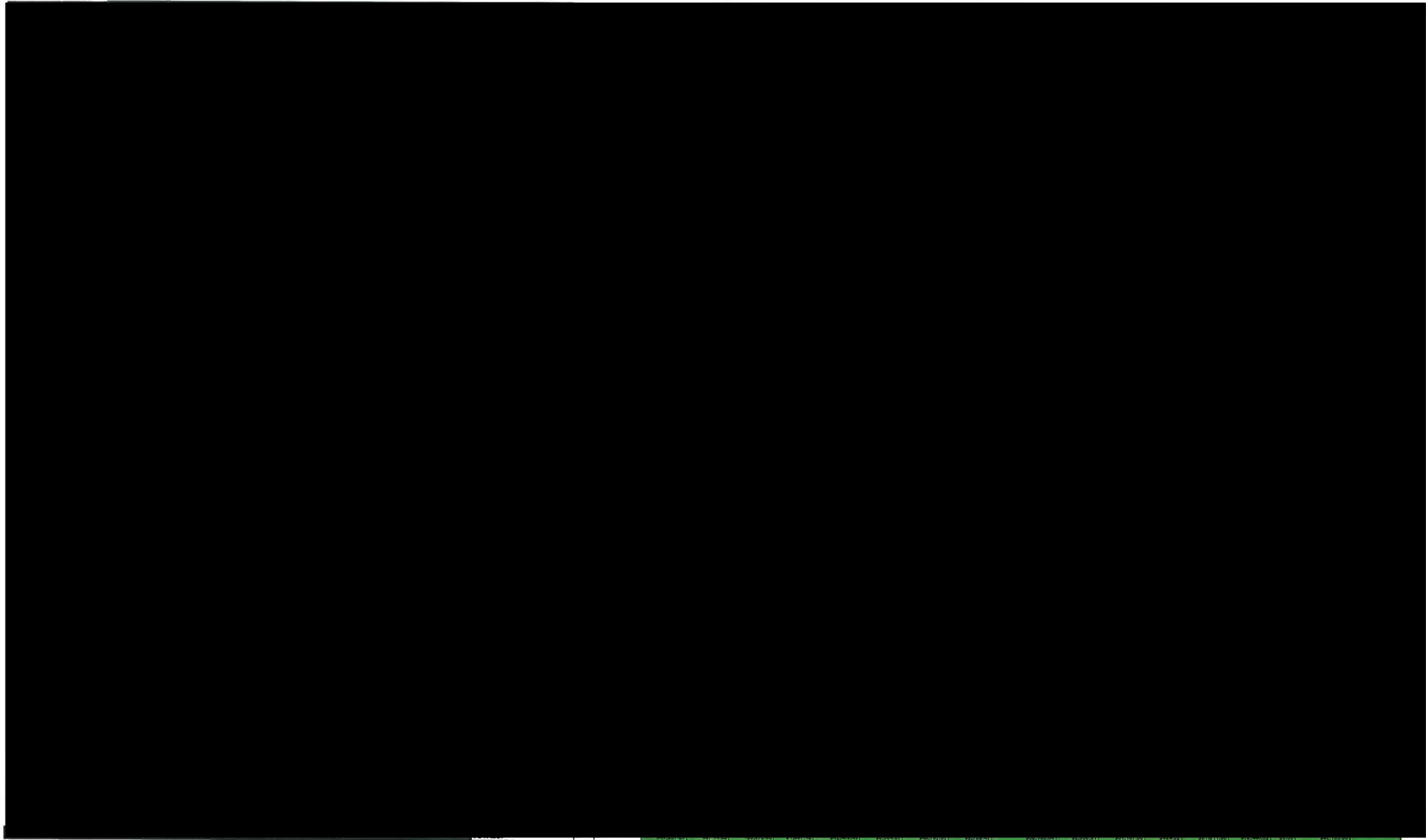




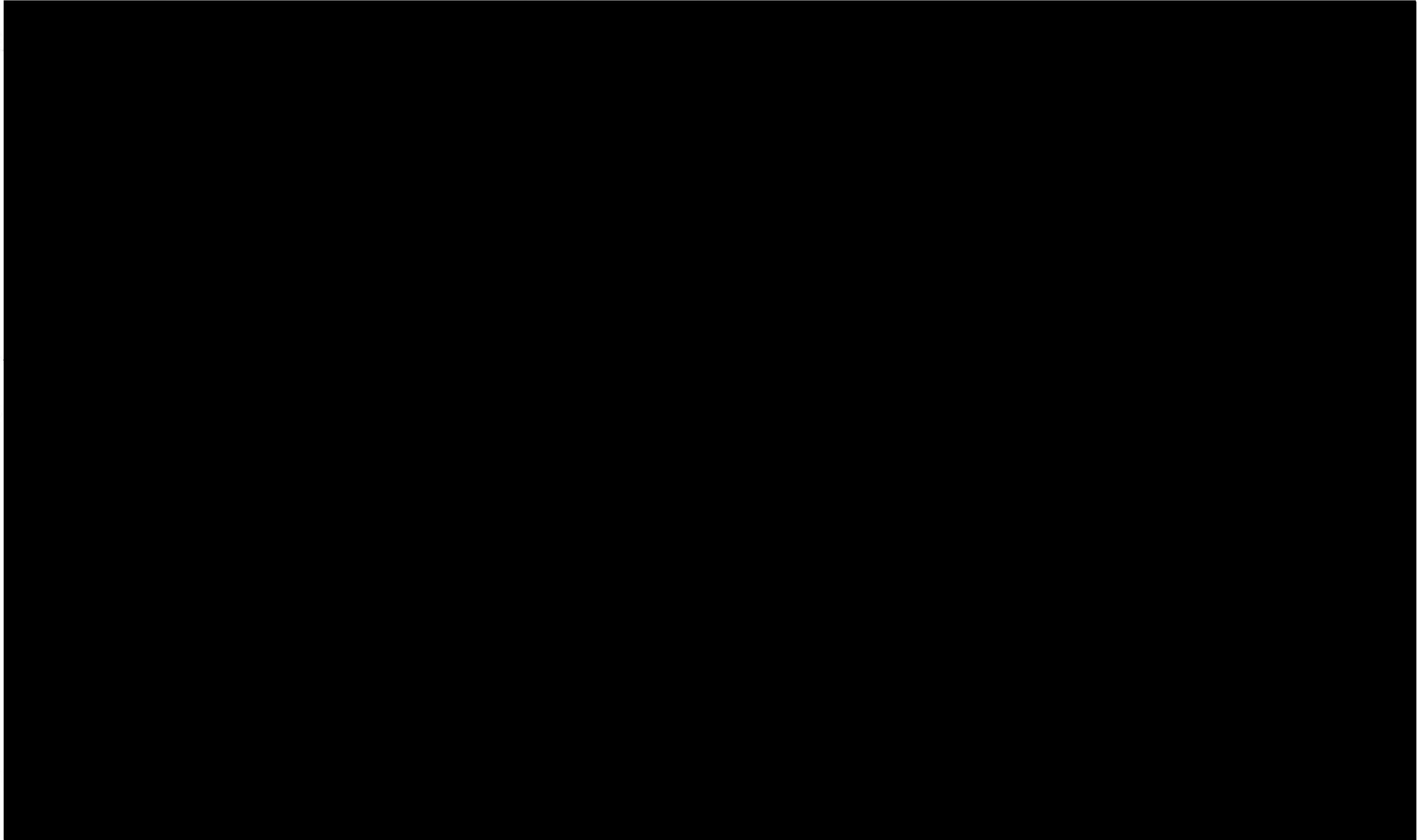


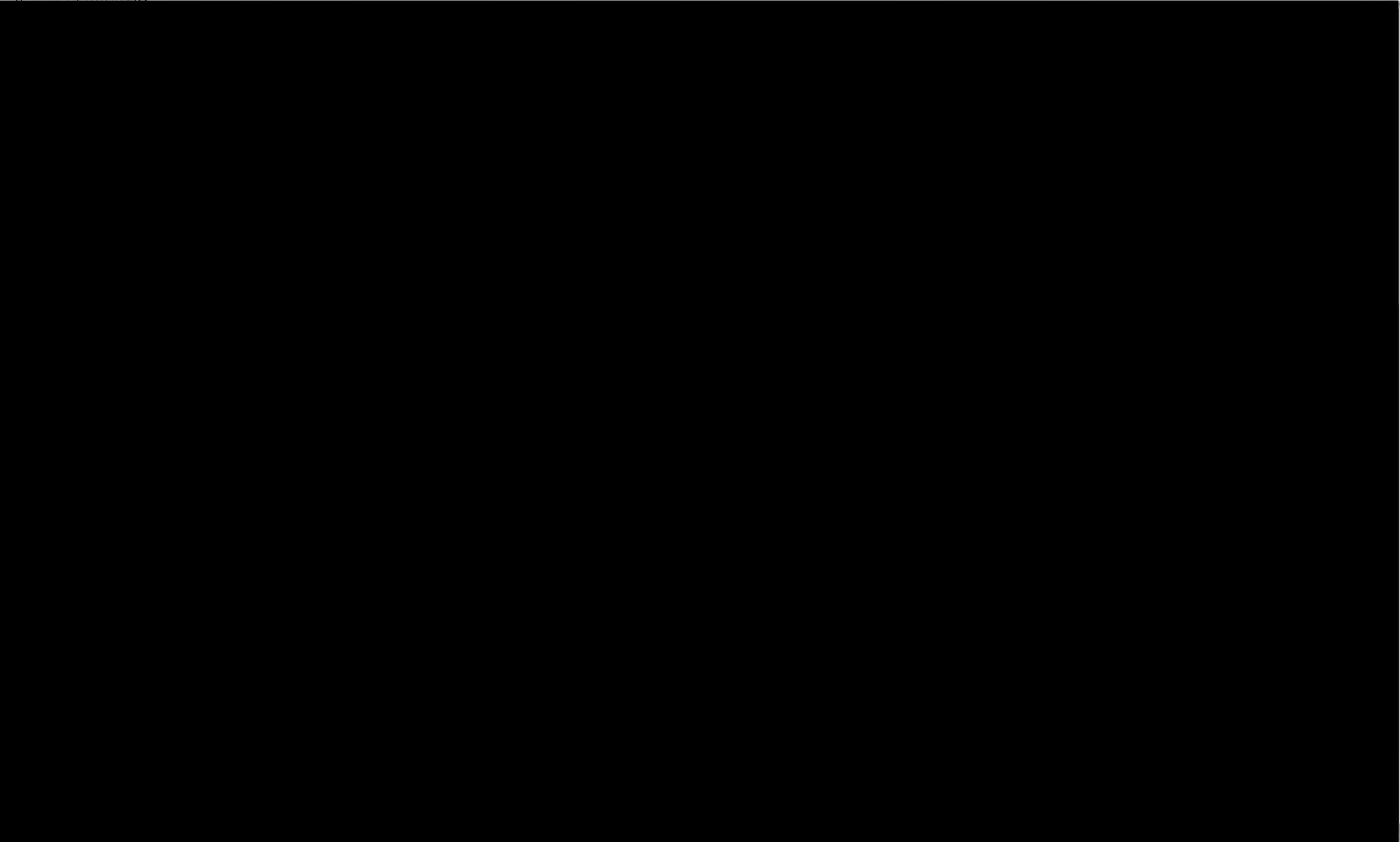


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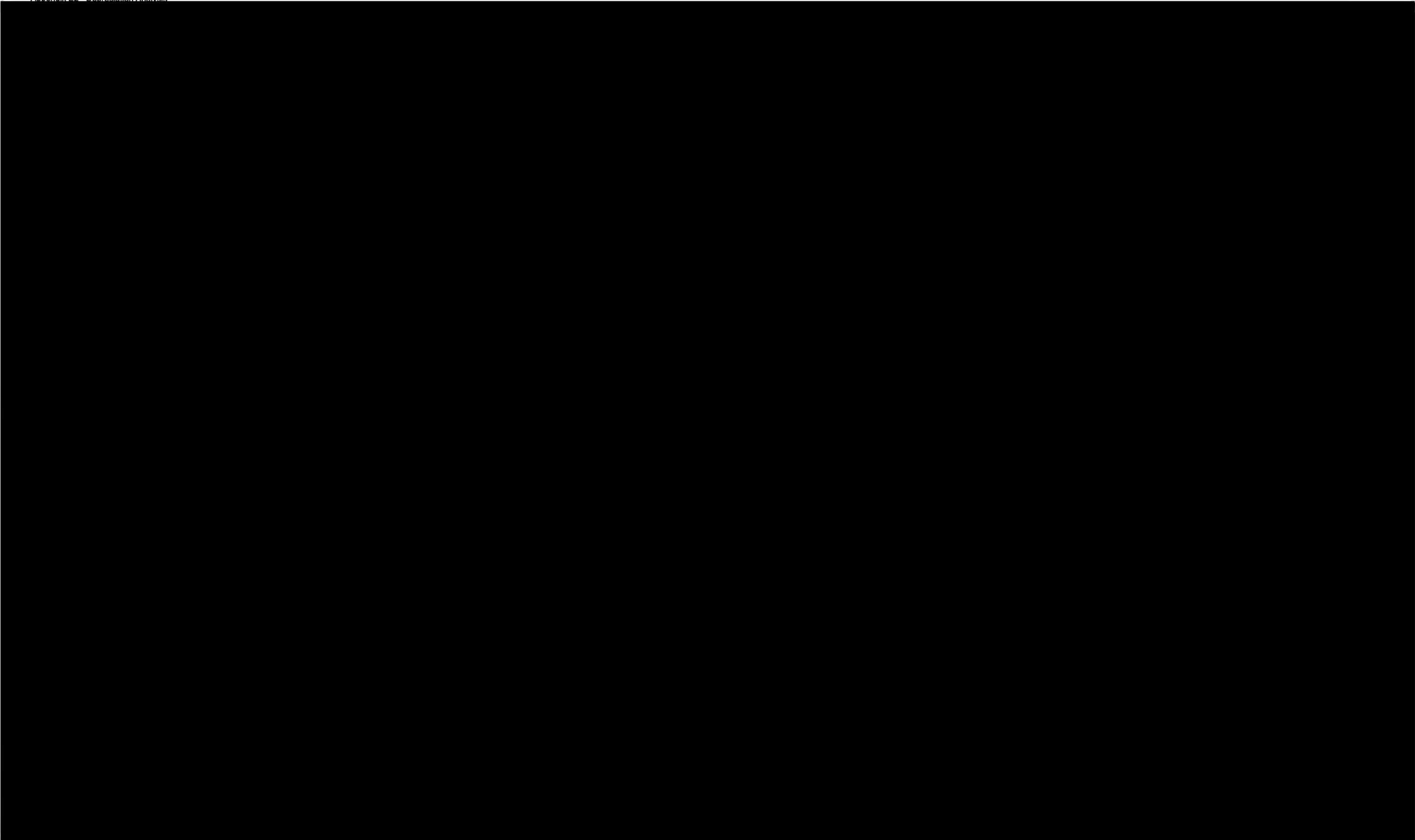












Tab

# 12

Depreciation Summary

Park: Mount Rushmore National Memorial

ConclID: MORU002  
CA Date: 6/23/2011

Location Information		
FMS Location Code	Location Description	SF
61419	Fee Parking Loop Road	0.6
	Parking Facility Developed	
61420	Landscape	7
61421	Fee Collection Facility	1354
61422	Parking Structure	458000
	Emergency Power Generation	
61423	System...PPI	1
65006	Septic System @ Fee Parking	1000

For NPS Internal Use

Tab

# 13

**ASSET USE CATEGORY**

Please select an option using the drop-down list and complete percentage

		%
		%
		%
		%
Parking Garage	100	%

**DIMENSIONS**

Total floor area	458,000	SF	# of Stories	3	EA
Perimeter of building at ground level	1991	LF	Average height per story	10	FT
Basement	0	SF			
Porches	0	SF			
Covered Deck	0	SF			

**CONSTRUCTION TYPE**

If the structure has multiple construction types, please indicate % of each construction type

Fireproof Structural Steel Frame (masonry, poured concrete, plaster etc.)		%
Reinforced Concrete Frame (formed or precast concrete)	100	%
Masonry Bearing Walls (masonry or reinforced concrete)		%
Wood/Steel Framed Exterior Walls (combustible construction)		%
Mill Type Construction (heavy masonry or timber)		%
Pole Frame (combustible prefabricated wood structure)		%
Metal Frame and Walls (Incombustible construction with prefabricated structural members)		%
Metal Slant Frame and Walls (Incombustible construction with light prefabricated struct.)		%

**QUALITY OF CONSTRUCTION**

Consider all of the following: quality of the construction materials, level of workmanship, and decorative features and fixtures

Check the quality rating that best matches the asset

Low (very basic, meets minimum code requirements, low cost finishes)	Yes	Average (most common, some ornamentation, some trim details)
Good (well designed, mix of ornamental finishes, better quality fixtures)		Excellent (specially designed, high-cost finishes, custom fixtures)

Additional Comments

**HEATING & COOLING (if applicable)**

Heating & Cooling (Please select an option using the drop-down list and complete the percentage)

		% of building heated or cooled by this system
		% of building heated or cooled by this system
		% of building heated or cooled by this system
		% of building heated or cooled by this system

Fireplaces (Please select an option from the drop-down box)

Number of Floors		(with fireplace openings to a common chimney)
Material/Type		

**OTHER INFORMATION (if applicable)**

Fire Systems (Please select an option using the drop-down list)

Sprinklers Type	
Area Covered	SF
Fire Alarm Systems	
Area Covered	SF

Service Stations (Please select an option using the drop-down list)

Dispenser Types		# of Dispensers		# of Sides	
Tank 1 (Size)	Gals	Tank 2 (Size)	Gals	Tank 3 (Size)	Gals
Tank Location		Tank Construction Type			
Concrete Pad Area	SF				

Elevators (Please select an option using the drop-down list)

Number of Elevators	2
Stops per Elevator	3
Elevator Type	Passenger

**ASSET USE CATEGORY**

Please select an option using the drop-down list and complete percentage)

Office	68	%
		%
		%
		%
Toll Booths (3)	32	%

**DIMENSIONS**

Total floor area	607	SF	# of Stories	1	EA
Perimeter of building at ground level	208	LF	Average height per story	10	FT
Basement	0	SF			
Porches	0	SF			
Covered Deck	0	SF			

**CONSTRUCTION TYPE**

If the structure has multiple construction types, please indicate % of each construction type

Fireproof Structural Steel Frame (masonry, poured concrete, plaster etc.)		%
Reinforced Concrete Frame (formed or precast concrete)		%
Masonry Bearing Walls (masonry or reinforced concrete)	68	%
Wood/Steel Framed Exterior Walls (combustible construction)	32	%
Mill Type Construction (heavy masonry or timber)		%
Pole Frame (combustible prefabricated wood structure)		%
Metal Frame and Walls (Incombustible construction with prefabricated structural members)		%
Metal Slant Frame and Walls (Incombustible construction with light prefabricated struct.)		%

**QUALITY OF CONSTRUCTION**

Consider all of the following: quality of the construction materials, level of workmanship, and decorative features and fixtures

Check the quality rating that best matches the asset

Low (very basic, meets minimum code requirements, low cost finishes)		Average (most common, some ornamentation, some trim details)	Yes
Good (well designed, mix of ornamental finishes, better quality fixtures)		Excellent (specially designed, high-cost finishes, custom fixtures)	

Additional Comments

**HEATING & COOLING (if applicable)**

Heating & Cooling (Please select an option using the drop-down list and complete the percentage

Package Unit	50	% of building heated or cooled by this system
Electric Wall	100	% of building heated or cooled by this system
Electric Wall	50	% of building heated or cooled by this system
		% of building heated or cooled by this system

Fireplaces (Please select an option from the drop-down box)

Number of Floors		(with fireplace openings to a common chimney)
Material/Type		

**OTHER INFORMATION (if applicable)**

Fire Systems (Please select an using from the drop-down list)

Sprinklers Type	
Area Covered	SF
Fire Alarm Systems	
Area Covered	SF

Service Stations (Please select an option using the drop-down list)

Dispenser Types		# of Dispensers		# of Sides	
Tank 1 (Size)	Gals	Tank 2 (Size)	Gals	Tank 3 (Size)	Gals
Tank Location		Tank Construction Type			
Concrete Pad Area	SF				

Elevators (Please select an option using the drop-down list)

Number of Elevators	
Stops per Elevator	
Elevator Type	

**ASSET USE CATEGORY**

Please select an option using the drop-down list and complete percentage)

Dormitory	100	%
		%
		%
		%
Other (please describe in this box)		%

**DIMENSIONS**

Total floor area	28,751	SF	# of Stories	3	EA
Perimeter of building at ground level	523	LF	Average height per story	10	FT
Basement	0	SF			
Porches	200	SF			
Covered Deck	0	SF			

**CONSTRUCTION TYPE**

If the structure has multiple construction types, please indicate % of each construction type

Fireproof Structural Steel Frame (masonry, poured concrete, plaster etc.)		%
Reinforced Concrete Frame (formed or precast concrete)		%
Masonry Bearing Walls (masonry or reinforced concrete)		%
Wood/Steel Framed Exterior Walls (combustible construction)	100	%
Mill Type Construction (heavy masonry or timber)		%
Pole Frame (combustible prefabricated wood structure)		%
Metal Frame and Walls (incombustible construction with prefabricated structural members)		%
Metal Slant Frame and Walls (incombustible construction with light prefabricated struct.)		%

**QUALITY OF CONSTRUCTION**

Consider all of the following: quality of the construction materials, level of workmanship, and decorative features and fixtures

Check the quality rating that best matches the asset

Low (very basic, meets minimum code requirements, low cost finishes)		Average (most common, some ornamentation, some trim details)	Yes
Good (well designed, mix of ornamental finishes, better quality fixtures)		Excellent (specially designed, high-cost finishes, custom fixtures)	
Additional Comments			

**HEATING & COOLING (if applicable)**

**Heating & Cooling (Please select an option using the drop-down list and complete the percentage)**

Hot Water	100	% of building heated or cooled by this system
		% of building heated or cooled by this system
		% of building heated or cooled by this system
		% of building heated or cooled by this system

**Fireplaces (Please select an option from the drop-down box)**

Number of Floors		(with fireplace openings to a common chimney)
Material/Type		

**OTHER INFORMATION (if applicable)**

**Fire Systems (Please select an option using the drop-down list)**

Sprinklers Type	Dry (Air under pressure)
Area Covered	28,751 SF
Fire Alarm Systems	Yes
Area Covered	28,751 SF

**Service Stations (Please select an option using the drop-down list)**

Dispenser Types		# of Dispensers		# of Sides	
Tank 1 (Size)		Gals	Tank 2 (Size)		Gals
			Tank 3 (Size)		Gals
Tank Location		Tank Construction Type			
Concrete Pad Area		SF			

**Elevators (Please select an option using the drop-down list)**

Number of Elevators	1
Stops per Elevator	3
Elevator Type	Passenger

**ASSET USE CATEGORY**

Please select an option using the drop-down list and complete percentage)

Restaurant	40	%
Retail Store	25	%
Office	20	%
Storage Warehouse	15	%
Other (please describe in this box)		%

**DIMENSIONS**

Total floor area	44,497	SF	# of Stories	2	EA
Perimeter of building at ground level	940	LF	Average height per story	14	FT
Basement	16074	SF			
Porches	0	SF			
Covered Deck	0	SF			

**CONSTRUCTION TYPE**

If the structure has multiple construction types, please indicate % of each construction type

Fireproof Structural Steel Frame (masonry, poured concrete, plaster etc.)		%
Reinforced Concrete Frame (formed or precast concrete)	100	%
Masonry Bearing Walls (masonry or reinforced concrete)		%
Wood/Steel Framed Exterior Walls (combustible construction)		%
Mill Type Construction (heavy masonry or timber)		%
Pole Frame (combustible prefabricated wood structure)		%
Metal Frame and Walls (incombustible construction with prefabricated structural members)		%
Metal Slant Frame and Walls (incombustible construction with light prefabricated struct.)		%

**QUALITY OF CONSTRUCTION**

Consider all of the following: quality of the construction materials, level of workmanship, and decorative features and fixtures

Check the quality rating that best matches the asset

Low (very basic, meets minimum code requirements, low cost finishes)		Average (most common, some ornamentation, some trim details)	Yes
Good (well designed, mix of ornamental finishes, better quality fixtures)		Excellent (specially designed, high-cost finishes, custom fixtures)	

Additional Comments

**HEATING & COOLING (if applicable)**

Heating & Cooling (Please select an option using the drop-down list and complete the percentage

Hot Water	100	% of building heated or cooled by this system
Complete HVAC	100	% of building heated or cooled by this system
		% of building heated or cooled by this system
		% of building heated or cooled by this system

Fireplaces (Please select an option from the drop-down box)

Number of Floors	1	(with fireplace openings to a common chimney)
Material/Type	Custom marble, granite or onyx	

**OTHER INFORMATION (if applicable)**

Fire Systems (Please select an using from the drop-down list)

Sprinklers Type	Wet (Water in lines)	
Area Covered	44,497	SF
Fire Alarm Systems	Yes	
Area Covered	44,497	SF

Service Stations (Please select an option using the drop-down list)

Dispenser Types		# of Dispensers		# of Sides	
Tank 1 (Size)		Gals	Tank 2 (Size)		Gals
			Tank 3 (Size)		Gals
Tank Location			Tank Construction Type		
	Concrete Pad Area		SF		

Elevators (Please select an option using the drop-down list)

Number of Elevators	3
Stops per Elevator	3
Elevator Type	Passenger

Location	Zip Code	Region	Park	ConclD	Purpose 1	Purpose 1 %	Purpose 2	Purpose 2 %	Purpose 3	Purpose 3 %	Purpose 4	Purpose 4 %
61422	57751	MWR	MORU	MORU002	0	0	0	0	0	0	0	0
61421	57751	MWR	MORU	MORU002	Office	68	0	0	0	0	0	0
61455	57751	MWR	MORU	MORU001	Dormitory	100	0	0	0	0	0	0
76595	57751	MWR	MORU	MORU001	Restaurant	40	Retail Store	25	Office	20	Storage Warehouse	15

For NPS Internal Use Only

Purpose 5	Purpose 5 %	Floor	Stories	Height/Story	Perimeter	Basement	Porches	Covered Deck	Constr. Type 1	Constr. Type 2	Constr. Type 3	Constr. Type 4	Constr. Type 5	Constr. Type 6	Constr. Type 7	Constr. Type 8	Quality Low	Quality Average	Quality Good	Quality Excellent
Parking Garage	100	458000	3	10	1991	0	0	0	0	100	0	0	0	0	0	0	Yes	0	0	0
Toll Booths (3)	32	607	1	10	208	0	0	0	0	0	68	32	0	0	0	0	0	Yes	0	0
Other (please describe in this box)	0	28751	3	10	523	0	200	0	0	0	0	100	0	0	0	0	0	Yes	0	0
Other (please describe in this box)	0	44497	2	14	940	16074	0	0	0	100	0	0	0	0	0	0	0	Yes	0	0

For NPS Internal Use Only

Quality Comments	HVAC 1	HVAC 1 %	HVAC 2	HVAC 2 %	HVAC 3	HVAC 3 %	HVAC 4	HVAC 4 %	Fireplace Floors	Fireplace Type	Sprinkler Type	Sprinkler Area	Fire Alarm
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	Package Unit	50	Electric Wall	100	Electric Wall	50	0	0	0	0	0	0	0
0	Hot Water	100	0	0	0	0	0	0	0	0	Dry (Air under pressure)	28751	Yes
0	Hot Water	100	Complete HVAC	100	0	0	0	0	1	Custom marble, granite or onyx	Wet (Water in lines)	44497	Yes

For NPS Internal Use Only

Fire Alarm Area	Gas Dispenser Type	Gas Dispenser #	Gas Dispenser Sides	Tank 1	Tank 2	Tank 3	Tank Location	Tank Type	Concrete Pad	Elevators	Elevator Stops	Elevator Type
0	0	0	0	0	0	0	0	0	0	2	3	Passenger
0	0	0	0	0	0	0	0	0	0	0	0	0
28751	0	0	0	0	0	0	0	0	0	1	3	Passenger
44497	0	0	0	0	0	0	0	0	0	3	3	Passenger

For NPS Internal Use Only

Tab

# 14

Park: MORU      ConclID: MORU002      FMSS Type Code: Varies  
Contact: [REDACTED]      CA Date: 6/23/2011

Maintenance & Repair Requirements
Deferred Maintenance
Component Renewal
Preventive Maintenance (scheduled)
Recurring Maintenance
Emergency Maintenance
Legislatively Mandated
Annual Maintenance Costs

[REDACTED]

Asset Type Summaries
Recurring Maintenance
Scheduled PM
Estimated Annual Maintenance Expenses

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

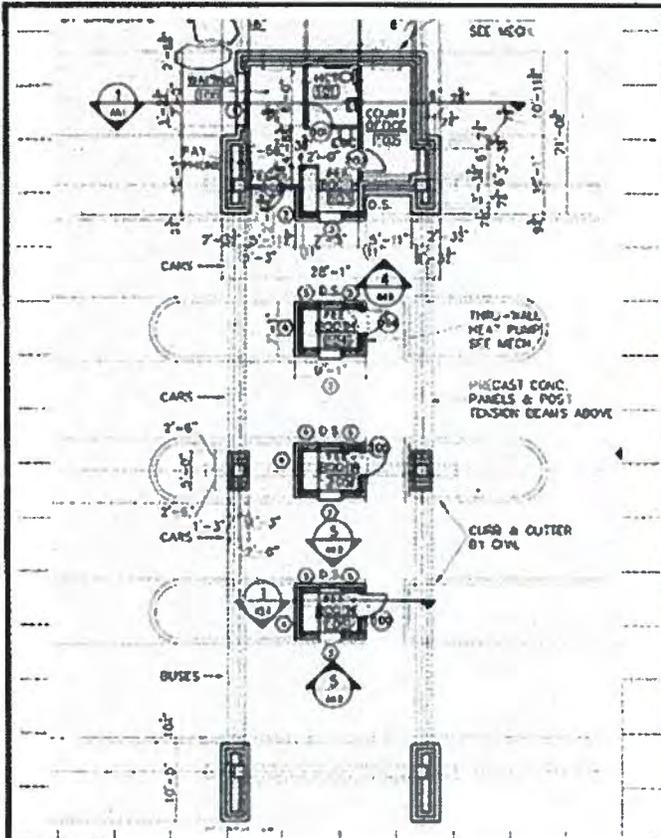
For NPS Internal

Tab

# 15

Rapid Visual Screening of Buildings for Potential Seismic Hazards  
FEMA-154 Data Collection Form

LOW Seismicity



Address: MT BUSHMORE NATIONAL PARK  
SOUTH DAKOTA Zip 57751  
Other Identifiers FMS# 61421  
No. Stories 1 Year Built 1998  
Screener RW HDA Date 06/2011  
Total Floor Area (sq. ft.) 1,333  
Building Name FEE COLLECTION FACILITY  
Use CONCESSIONAIRE OFFICE/ENTRANCE



Scale:

OCCUPANCY				SOIL TYPE						FALLING HAZARDS			
<input checked="" type="checkbox"/> Assembly <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Emer. Services	<input type="checkbox"/> Govt <input type="checkbox"/> Historic <input type="checkbox"/> Industrial	<input type="checkbox"/> Office <input type="checkbox"/> Residential <input type="checkbox"/> School	Number of Persons <input type="checkbox"/> 0-10 <input checked="" type="checkbox"/> 101-1000 <input type="checkbox"/> 11-100 <input type="checkbox"/> 1000+	<input checked="" type="checkbox"/> A Hard Rock	<input type="checkbox"/> B Avg. Rock	<input type="checkbox"/> C Dense Soil	<input type="checkbox"/> D Stiff Soil	<input type="checkbox"/> E Soft Soil	<input type="checkbox"/> F Poor Soil	<input type="checkbox"/> Unreinforced Chimneys	<input type="checkbox"/> Parapets	<input type="checkbox"/> Cladding	<input type="checkbox"/> Other.

BASIC SCORE, MODIFIERS, AND FINAL SCORE, S

BUILDING TYPE	W1	W2	S1 (MRF)	S2 (BR)	S3 (LR)	S4 (RC SW)	S5 (URM INF)	C1 (MRF)	C2 (SW)	C3 (URM INF)	PC1 (TU)	PC2	RM1 (FD)	RM2 (RD)	URM
Basic Score	7.4	6.0	4.6	4.8	4.6	4.8	5.0	4.4	4.8	4.4	4.4	4.6	4.8	4.6	4.6
Mid Rise (4 to 7 stories)	N/A	N/A	+0.2	+0.4	N/A	+0.2	-0.2	+0.4	-0.2	-0.4	N/A	-0.2	-0.4	-0.2	-0.6
High Rise (>7 stories)	N/A	N/A	+1.0	+1.0	N/A	+1.0	+1.2	+1.0	0.0	0.4	N/A	-0.2	N/A	0.0	N/A
Vertical Irregularity	-4.0	-3.0	-2.0	-2.0	N/A	-2.0	-2.0	-1.5	-2.0	-2.0	N/A	-1.5	-2.0	-1.5	-1.5
Plan Irregularity	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
Pre-Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Post-Benchmark	0.0	+0.2	+0.4	+0.6	N/A	+0.6	N/A	+0.6	+0.4	N/A	+0.2	N/A	+0.2	+0.4	+0.4
Soil Type C	-0.4	-0.4	-0.8	-0.4	-0.4	-0.4	-0.4	-0.6	-0.4	-0.4	-0.4	-0.2	-0.4	-0.2	-0.4
Soil Type D	-1.0	-0.8	-1.4	-1.2	-1.0	-1.4	-0.8	-1.4	-0.8	-0.8	-0.8	-1.0	-0.8	-0.8	-0.8
Soil Type E	-1.8	-2.0	-2.0	-2.0	-2.0	-2.2	-2.0	-2.0	-2.0	-2.0	-1.8	-2.0	-1.4	-1.8	-1.4

FINAL SCORE, S

4.8

COMMENTS

CAST-IN-PLACE CONCRETE BEAMS & COLUMNS  
CONCRETE SLAB-ON-GRADE

Detailed Evaluation Required

YES  NO

\* = Estimated, subjective, or unreliable data  
DNK = Do Not Know

BR = Braced frame  
FD = Flexible diaphragm  
LM = Light metal

MRF = Moment-resisting frame  
RC = Reinforced concrete  
RD = Rigid diaphragm

SW = Shear wall  
TU = Tilt up  
URM INF = Unreinforced masonry infill

**Rapid Visual Screening of Buildings for Potential Seismic Hazards (FEMA 154)**  
 Quick Reference Guide (for use with Data Collection Form)

<b>1. Model Building Types and Critical Code Adoption and Enforcement Dates</b>		<b>Year Seismic Codes Initially Adopted and Enforced*</b>	<b>Benchmark Year when Codes Improved</b>
<b>Structural Types</b>			
W1	Light wood frame, residential or commercial, ≤ 5000 square feet	_____	_____
W2	Wood frame buildings, > 5000 square feet.	_____	_____
S1	Steel moment-resisting frame	_____	_____
S2	Steel braced frame	_____	_____
S3	Light metal frame	_____	_____
S4	Steel frame with cast-in-place concrete shear walls	_____	_____
S5	Steel frame with unreinforced masonry infill	_____	_____
C1	Concrete moment-resisting frame	_____	_____
C2	Concrete shear wall	_____	_____
C3	Concrete frame with unreinforced masonry infill	_____	_____
PC1	Tilt-up construction	_____	_____
PC2	Precast concrete frame	_____	_____
RM1	Reinforced masonry with flexible floor and roof diaphragms	_____	_____
RM2	Reinforced masonry with rigid diaphragms	_____	_____
URM	Unreinforced masonry bearing-wall buildings	_____	_____
*Not applicable in regions of low seismicity			

1991 UBC / 1990 South Dakota DOT

**2. Anchorage of Heavy Cladding**  
 Year in which seismic anchorage requirements were adopted: 1991 UBC

<b>Use</b>	<b>Square Feet, Per Person</b>	<b>Use</b>	<b>Square Feet, Per Person</b>
Assembly	varies, 10 minimum	Industrial	200-500
Commercial	50-200	Office	100-200
Emergency Services	100	Residential	100-300
Government	100-200	School	50-100

**4. Score Modifier Definitions**

**Mid-Rise:** 4 to 7 stories

**High-Rise:** 8 or more stories

**Vertical Irregularity:** Steps in elevation view; inclined walls; building on hill; soft story (e.g., house over garage); building with short columns; unbraced cripple walls.

**Plan Irregularity:** Buildings with re-entrant corners (L, T, U, E, + or other irregular building plan); buildings with good lateral resistance in one direction but not in the other direction; eccentric stiffness in plan, (e.g. corner building, or wedge-shaped building, with one or two solid walls and all other walls open).

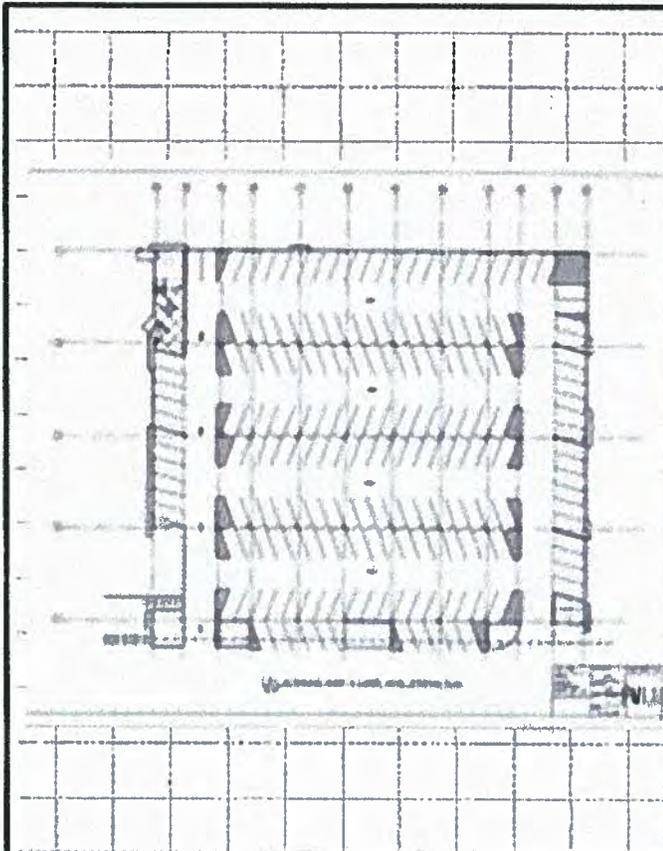
**Pre-Code:** Building designed and constructed prior to the year in which seismic codes were first adopted and enforced in the jurisdiction; use years specified above in Item 1; default is 1941, except for PC1, which is 1973.

**Post-Benchmark:** Building designed and constructed after significant improvements in seismic code requirements (e.g., ductile detailing) were adopted and enforced; the benchmark year when codes improved may be different for each building type and jurisdiction; use years specified above in Item 1 (see Table 2-2 of FEMA 154 Handbook for additional information).

**Soil Type C:** Soft rock or very dense soil; S-wave velocity: 1200 – 2500 ft/s; blow count > 50; or undrained shear strength > 2000 psf.

**Soil Type D:** Stiff soil; S-wave velocity: 600 – 1200 ft/s; blow count: 15 – 50; or undrained shear strength: 1000 – 2000 psf

**Soil Type E:** Soft soil; S-wave velocity < 600 ft/s; or more than 100 ft of soil with plasticity Index > 20, water content > 40%, and undrained shear strength < 500 psf.



Address: MT RUSHMORE NATIONAL PARK  
SOUTH DAKOTA Zip 57751  
 Other Identifiers FMS#61422  
 No. Stories 3 Year Built 1997  
 Screener RW HDA Date 6/2011  
 Total Floor Area (sq. ft.) 458,000  
 Building Name PARKING STRUCTURE  
 Use PARKING FACILITY



Scale:

OCCUPANCY				SOIL TYPE						FALLING HAZARDS			
Assembly <input checked="" type="checkbox"/> Commercial Emer. Services	Govt Historic Industrial	Office Residential School	Number of Persons 0-10 <u>101-1000</u> 11-100 1000+	<input checked="" type="checkbox"/> A Hard Rock	<input type="checkbox"/> B Avg. Rock	<input type="checkbox"/> C Dense Soil	<input type="checkbox"/> D Soft Soil	<input type="checkbox"/> E Soft Soil	<input type="checkbox"/> F Poor Soil	<input type="checkbox"/> Unreinforced Chimneys	<input type="checkbox"/> Parapets	<input type="checkbox"/> Cladding	<input type="checkbox"/> Other:

BASIC SCORE, MODIFIERS, AND FINAL SCORE, S															
BUILDING TYPE	W1	W2	S1 (MRF)	S2 (BR)	S3 (LM)	S4 (RC SW)	S5 (URM INF)	C1 (BRP)	C2 (SW)	C3 (URM INF)	PC1 (TU)	PC2	RM1 (FD)	RM2 (RD)	URM
Basic Score	7.4	6.0	4.6	4.8	4.6	4.8	5.0	<u>4.4</u>	4.8	4.4	4.4	4.6	4.8	4.6	4.6
Mid Rise (4 to 7 stories)	N/A	N/A	+0.2	+0.4	N/A	+0.2	-0.2	+0.4	-0.2	-0.4	N/A	-0.2	-0.4	-0.2	-0.6
High Rise (>7 stories)	N/A	N/A	+1.0	+1.0	N/A	+1.0	+1.2	+1.0	0.0	-0.4	N/A	-0.2	N/A	0.0	N/A
Vertical Irregularity	-4.0	-3.0	-2.0	-2.0	N/A	-2.0	-2.0	-1.5	-2.0	-2.0	N/A	-1.5	-2.0	-1.5	-1.5
Plan Irregularity	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
Pre-Code	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Post-Benchmark	0.0	+0.2	+0.4	+0.8	N/A	+0.8	N/A	+0.8	+0.4	N/A	+0.2	N/A	+0.2	+0.4	+0.4
Soil Type C	-0.4	-0.4	-0.8	-0.4	-0.4	-0.4	0.4	-0.8	-0.4	-0.4	-0.4	-0.2	0.4	-0.2	-0.4
Soil Type D	-1.0	-0.8	-1.4	-1.2	-1.0	-1.4	-0.8	-1.4	-0.8	-0.8	-0.8	-1.0	-0.8	-0.8	-0.8
Soil Type E	-1.8	-2.0	-2.0	-2.0	-2.0	-2.2	-2.0	-2.0	-2.0	-2.0	-1.8	-2.0	-1.4	-1.6	-1.4

FINAL SCORE, S 4.4

COMMENTS  
EXISTING STRUCTURAL DEFICIENCIES  
PRE CAST WALL PANELS  
CONCRETE SLAB-ON-GRADE

Detailed Evaluation Required  
 YES  NO

\* = Estimated, subjective, or unreliable data  
 DNK = Do Not Know  
 BR = Braced frame  
 FD = Flexible diaphragm  
 LM = Light metal  
 MRF = Moment-resisting frame  
 RC = Reinforced concrete  
 RD = Rigid diaphragm  
 SW = Shear wall  
 TU = Tilt up  
 URM INF = Unreinforced masonry infill

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<b>1. Model Building Types and Critical Code Adoption and Enforcement Dates</b>		<b>Year Seismic Codes Initially Adopted and Enforced*</b>	<b>Benchmark Year when Codes Improved</b>
<b>Structural Types</b>			
W1	Light wood frame, residential or commercial, ≤ 5000 square feet	_____	_____
W2	Wood frame buildings, > 5000 square feet.	_____	_____
S1	Steel moment-resisting frame	_____	_____
S2	Steel braced frame	_____	_____
S3	Light metal frame	_____	_____
S4	Steel frame with cast-in-place concrete shear walls	_____	_____
S5	Steel frame with unreinforced masonry infill	_____	_____
C1	Concrete moment-resisting frame	_____	1991 UBC
C2	Concrete shear wall	_____	1990
C3	Concrete frame with unreinforced masonry infill	_____	SOUTH DAKOTA
PC1	Tilt-up construction	_____	DOT
PC2	Precast concrete frame	_____	_____
RM1	Reinforced masonry with flexible floor and roof diaphragms	_____	_____
RM2	Reinforced masonry with rigid diaphragms	_____	_____
URM	Unreinforced masonry bearing-wall buildings	_____	_____

\*Not applicable in regions of low seismicity

**2. Anchorage of Heavy Cladding**  
 Year in which seismic anchorage requirements were adopted: 1991 UBC

<b>Use</b>	<b>Square Feet, Per Person</b>	<b>Use</b>	<b>Square Feet, Per Person</b>
Assembly	varies, 10 minimum	Industrial	200-500
Commercial	50-200	Office	100-200
Emergency Services	100	Residential	100-300
Government	100-200	School	50-100

**4. Score Modifier Definitions**

**Mid-Rise:** 4 to 7 stories

**High-Rise:** 8 or more stories

**Vertical Irregularity:** Steps in elevation view; inclined walls; building on hill; soft story (e.g., house over garage); building with short columns; unbraced cripple walls

**Plan Irregularity:** Buildings with re-entrant corners (L, T, U, E, + or other irregular building plan); buildings with good lateral resistance in one direction but not in the other direction; eccentric stiffness in plan, (e.g. corner building, or wedge-shaped building, with one or two solid walls and all other walls open).

**Pre-Code:** Building designed and constructed prior to the year in which seismic codes were first adopted and enforced in the jurisdiction; use years specified above in Item 1; default is 1941, except for PC1, which is 1973.

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**Soil Type C:** Soft rock or very dense soil; S-wave velocity: 1200 – 2500 ft/s; blow count > 50; or undrained shear strength > 2000 psf.

**Soil Type D:** Stiff soil; S-wave velocity: 600 – 1200 ft/s; blow count: 15 – 50; or undrained shear strength: 1000 – 2000 psf

**Soil Type E:** Soft soil; S-wave velocity < 600 ft/s; or more than 100 ft of soil with plasticity index > 20, water content > 40%, and undrained shear strength < 500 psf.

Tab

# 16

61421 Fee Collection Facility Accessibility Survey Form

Total Responses: 100  
 Total Yes: 79  
 Total No: 21

**1. Facilities - Accessible Routes (Interior)**  
 This checklist is to be used to evaluate halls, corridors, aisles, skywalks, tunnels and other spaces that are to be part of an accessible route. Within a building there is to be a continuous route of travel that conforms to the design standards to allow wheelchair maneuvering. The dimensions of space are determined by the standard wheelchair issues of width, passage, surface and protruding hazards for persons with visual impairments.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 1.1	Interior Accessible Route - Location Is there at least one accessible route that connects accessible building entries with all accessible spaces and elements within the building (width, slope, surface and protrusions)? (Note: ramps, platform lifts and elevators may be components of an	No	Critical	ADAABAG Section 402.2 F208	Not accessible from parking structure, no sidewalk or curb ramps to entry	Appendix G	
Section 1.2	Interior Accessible Route - Width Is there a minimum clear width of 36" (except through door openings with a 32" minimum or at approaches to doors)? [See Figure 403.5.1]	Yes		ADAABAG Section 403.5.1			
Section 1.3	Interior Accessible Route - Width - Obstruction If a person in a wheelchair must turn around an obstruction, does the minimum clear width of the accessible route conform with Figures 403.5.2 (a) and (b)?	No	Serious	ADAABAG Section 403.5.2	Walkway leading to fee counter does not have an adequate turn around space, non-fixed furniture obstructs turn around area	Appendix G	
Section 1.4	Routes of Travel - Width - 32" for Maximum of 24" If the route is reduced from 36" to no less than 32" wide, is that portion of the route a maximum length of 24"? [See Figure 403.5.1]	N/A		ADAABAG Section 403.5.1 Exception			
Section 1.5	Interior Route - Width for Wheelchair Passing If the accessible route is more than 200' long, and the route is less than 60" wide, is there a 60" wide section for two wheelchairs to pass every 200'?	N/A		ADAABAG Section 403.5.3			
Section 1.6	Interior Accessible Route - Headroom Is the continuous accessible route a minimum of 80" high?	Yes		ADAABAG Section 307			
Section 1.7	Protruding Objects - Vertical Clearance Warning If the vertical clearance of the accessible route/space adjoining the accessible route is reduced to less than 80", is there a barrier to warn blind or visually impaired persons?	N/A		ADAABAG Section 307			
Section 1.8	Interior Accessible Route - Surface Textures Is the surface of the accessible route stable, firm and slip-resistant?	Yes		ADAABAG Sections 302.1			
Section 1.9	Interior Accessible Route - Changes in Level- Bevel If there is a change in level between 1/4" and 1/2", is it beveled with a slope no greater than 1:2? [See Figures 303.2 and 303.3]	Yes		ADAABAG Sections 303.2, 303.3			
Section 1.10	Interior Accessible Route - Changes in Level Greater than 1/2" If the change in level exceeds 1/2", is it ramped? (1:12 maximum slope)	N/A		ADAABAG Section 303.4			
Section 1.11	Floor Finishes - Carpet - Secure Attachment Is the carpet securely attached to the floor surface?	Yes		ADAABAG Section 302.2			
Section 1.12	Floor Finishes - Carpet - Pile Thickness If there is carpet, is the pile thickness a maximum of 1/2"? [See Figure 302.2]	Yes		ADAABAG Section 302.2			
Section 1.13	Floor Finishes - Carpet - Exposed Edges If the carpet has exposed edges, does the edge treatment have a 1/4" maximum rise or is it beveled? [See Figure 302.2]	N/A		ADAABAG Section 302.2			
Section 1.14	Interior Accessible Route - Gratings If there are gratings along the accessible route floor surface, are they no greater than 1/2" wide? [See Figure 302.3]	N/A		ADAABAG Section 302.3			
Section 1.15	Interior Accessible Route - Gratings If the gratings are elongated in shape, is the long opening perpendicular to the dominant direction of travel? [See Figure 302.3]	N/A		ADAABAG Section 302.3			
Section 1.16	Interior Route - Route Slope Does the accessible walking surface have a maximum slope of 1:20 (5%)? (If no, enter 'N/A' and use ramp checklist.)	Yes		ADAABAG Section 403.3			
Section 1.17	Interior Accessible Route - Cross Slope Does the accessible walking surface have a maximum cross-slope of 1:48?	Yes		ADAABAG Section 403.3			
Section 1.16	Protruding Objects - Wall Mounting - Leading Edge Height If objects protrude from walls more than 4" are they positioned so their leading edges are below 27" or above 60"? Figure 307.2.	Yes		ADAABAG Section 307.2			
Section 1.19	Protruding Objects - 36" Clear Width - Width Reduction If there is a protruding object, is the clear width a minimum of 36"?	Yes		ADAABAG Section 307.5			

**2. Facilities - Ramps/Walkways (Exterior)**  
 This checklist is to be used when evaluating exterior ramps.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 2.1	Slope - Maximum Is the maximum slope of the ramp 1:12? Note: In existing facilities steeper slopes may be permitted based on Table 405.2 (6" maximum rise). [See Table 405.2]	N/A		ADAABAG Section 405.2			
Section 2.2	Rise - Maximum Is the maximum single rise for the ramp 30"? [See Figure 16]	N/A		ADAABAG Section 405.6			
Section 2.3	Cross Slope - Maximum Is the cross slope of the ramp no greater than 1:48?	N/A		ADAABAG Section 405.3			
Section 2.4	Surface Is the surface stable, firm and slip-resistant?	N/A		ADAABAG Section 302.1			
Section 2.5	Minimum Width Does the ramp have a minimum clear width of 36"? Note: Inside of handrails.	N/A		ADAABAG Section 405.5			
Section 2.6	Drop-off - Curb If the ramp or landing has a drop-off, is there a curb, wall or railing to prevent people from slipping/rolling off the ramp? [See Figure 405.9.1, 405.9.2]	N/A		ADAABAG Section 405.9.1, 405.9.2			
Section 2.7	Drop-off - Edge Protection - Curb If the ramp has a drop-off, is a curb barrier provided as shown in Figure 405.9.2 which prevents the passage of a 4" sphere?	N/A		ADAABAG Section 405.9.2			

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Section 2.8	Top Landing - Width Is the top landing the same width or wider than the ramp leading to it? [See Figure 405.7.4]	N/A		ADAABAG Section 405.7.4			
Section 2.9	Top Landing - Length Does the top landing have a minimum length of 60"? [See Figure 405.7.4]	N/A		ADAABAG Section 405.7			
Section 2.10	Top Landing Is a level landing provided at the top of the ramp? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 405.7			
Section 2.11	Top Landing - Landing - Door Level If there is a door at a landing, is there a minimum landing positioned at the door to comply with the maneuvering clearance as required by 404.2.4 and 404.3.2? [See Figure]	N/A		ADAABAG Section 405.7.5			
Section 2.12	Direction Change - Landing If the ramp changes direction at a landing, is the landing a minimum 60" x 60"?	N/A		ADAABAG Section 405.7.4			
Section 2.13	Clear Width Is the bottom landing the same width or wider than the ramp leading to it?	N/A		ADAABAG Section 405.7			
Section 2.14	Clear Floor/Ground Space Does the bottom landing have a minimum length of 60"?	N/A		ADAABAG Section 405.7			
Section 2.15	Handrails - Rise If the ramp has a rise greater than 6" are there handrails on both sides? Note: Handrails are not required on curb cuts or adjacent to seating in assembly areas.	N/A		ADAABAG Section 405.8			
Section 2.18	Handrails - Diameter Is the diameter or width of the gripping surface 1-1/4" to 1-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) [See Figure 505.7.1, 505.7.2]	N/A		ADAABAG Section 505.7.2, 505.7.1			
Section 2.17	Handrails - Distance to Wall Is the clear space between handrails and the wall or posts 1-1/2"? [See Figure 505.5]	N/A		ADAABAG Section 505.5			
Section 2.18	Handrails - Surrounding Surfaces Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 505.8			
Section 2.19	Inside Handrail Continuous If the ramp has a switchback or dogleg, is the inside handrail continuous?	N/A		ADAABAG Section 505.3			
Section 2.20	Handrail - Extension If handrails are not continuous, do the handrails extend at least 12" beyond the top and bottom of each ramp segment? [See Figure 505.10.1]	N/A		ADAABAG Section 505.10.1			
Section 2.21	Handrail - Gripping Continuous Are the gripping surfaces continuous and uninterrupted by newel posts, other construction elements, or other obstructions?	N/A		ADAABAG Section 505.3			
Section 2.22	Handrails - Height Is the top surface for the handrails mounted between 34" and 38" above the ramp surface?	N/A		ADAABAG Section 505.4			
Section 2.23	Handrails - Return Are the ends of the handrails rounded or returned smoothly to the floor, wall or post? (Note: If a handrail returns to a handrail post, the bottom edge of the returned handrail shall be 27" or less to the floor.)	N/A		ADAABAG Section 505.10.1			
Section 2.24	Handrails - Secure Are the handrails secure in the fittings? (No rotation)	N/A		ADAABAG Section 505.8			
Section 2.25	Water Accumulation Is the ramp designed so water will not accumulate along the ramp or at the landings or approaches for safety?	N/A		ADAABAG Section 405.10			

**3. Facilities - Assembly Areas (Theaters/Amphitheaters)**

This checklist shall be used to evaluate assembly areas and theaters located in buildings.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 3.1	Assembly Area - Fixed Seats If the assembly area has fixed seating, do the number of accessible seats comply with Table F221.2.1.1?	N/A		ADAABAG Section F221.2.1.1			
Section 3.2	Accessible Wheelchair Spaces- Width If one wheelchair space is provided, is it a minimum of 36" wide? [See Figure 802.1.2]	N/A		ADAABAG Section 802.1.2			
Section 3.3	Accessible Wheelchair Spaces- Width If two wheelchair spaces are provided adjacent to each other, are they a minimum of 33" wide (each)? [See Figure 802.1.2]	N/A		ADAABAG Section 802.1.2			
Section 3.4	Accessible Wheelchair Spaces- Depth If the wheelchair space is entered from the front or rear, is it a minimum of 48" deep? [See Figure 802.1.2]	N/A		ADAABAG Section 802.1.3			
Section 3.5	Accessible Wheelchair Spaces- Depth If the wheelchair space is only entered from the side, is it a minimum of 60" deep? [See Figure 802.1.2]	N/A		ADAABAG Section 802.1.3			
Section 3.6	Accessible Wheelchair Spaces- Accessible Route Is the wheelchair space adjacent to, but not overlapping, the accessible route?	N/A		ADAABAG Section 802.1.5			
Section 3.7	Assembly Area - Wheelchair Viewing Positions - Accessible Route Connection Are the wheelchair viewing positions on or adjacent to an accessible route?	N/A		ADAABAG Section 402			
Section 3.8	Assembly Area - Wheelchair Viewing Positions - Sight Lines Are the sight lines at the wheelchair seating locations comparable for wheelchair users and non-wheelchair users? [See Figure 802.2]	N/A		ADAABAG Section F221.2.3, 802.2			
Section 3.9	Assembly Area - Companion Seating Is at least one companion seat provided adjacent to each wheelchair seating area?	N/A		ADAABAG Section 802.3			
Section 3.10	Accessible Wheelchair Spaces- Companion Seating Is the companion seating of equivalent size, quality, comfort and amenity to seating in immediate area? (Note: Companion seating may be movable.)	N/A		ADAABAG Section 802.3.2			
Section 3.11	Assembly Area - Folding/Removable Armrests in Fixed Aisle Seats In addition to the wheelchair seating spaces, are 1% of the fixed seats (but not less than one) aisle seats without armrests, or do these seats have removable or folding armrests on the aisle?	N/A		ADAABAG Section 802.4			
Section 3.12	Assembly Area - Accessible Seating Identification - Inside Room/Space Is the accessible aisle seating identified by a sign or a marker?	N/A		ADAABAG Section 802.4.2			

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Section 3.13	Assembly Area - Wheelchair Viewing Positions - Level Are wheelchair viewing positions located on a level surface? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 802.1.1		
Section 3.14	Assembly Area - Wheelchair Viewing Positions - Floor/Ground Surface Are the wheelchair viewing positions on a stable and firm surface?	N/A		ADAABAG Section 802.1.1		
Section 3.15	Performance Area - Access from Stage to Seating Area If the assembly area has a performing area, stage, and/or podium, is there an accessible route/ramp from the wheelchair seating area to these locations? (Note: Use accessible route or ramp checklist.)	N/A		ADAABAG Section F208.2.6		
Section 3.18	Assembly Area - Assistive Listening Is an assistive listening system provided?	N/A		ADAABAG Section F219.2		
Section 3.17	Assembly Area - Assistive Listening Is signage posted indicating the availability of assistive listening?	N/A		ADAABAG Section F218.10		
Section 3.16	Luxury Boxes, Club Boxes and Suites in Arenas, Stadiums and Grandstands If provided, do luxury boxes, club boxes and suites comply with F221.2.1.2 and F221.2.1.3?	N/A		ADAABAG Section F221.2.1.2 F221.2.1.3		
Section 3.19	Team/Player Seating If team/player seating is provided, is at least one wheelchair space provided?	N/A		ADAABAG Section F221.2.1.4 802.1		

4. Facilities - Automatic Teller Machines (ATMs) and Fare Machines  
This checklist is to be used to evaluate Automatic Teller Machines and Fare Machines

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 4.1	Accessible Route Is the ATM/Fare Machine along an accessible route?	N/A		ADAABAG Section 402			
Section 4.2	Clear Floor Space Is there a clear floor space of 30" X 48" available to approach the ATM/Fare Machine? Note: not required at drive up.	N/A		ADAABAG Sections 707.2.305			
Section 4.3	Operating Controls - Forward or Parallel Approach Are controls for operation of the ATM easily operable (minimal twist or grip and 5lb maximum force)?	N/A		ADAABAG Section 309			
Section 4.4	Operating Controls If a "clear" or "correct" key is not provided, is each operable part differentiated by sound or touch without activation?	N/A		ADAABAG Section 707.3			
Section 4.5	Operating Controls - Forward Approach If the ATM/Fare Machine requires a forward reach over an obstruction between 20" and 25" maximum, is the height of the operating mechanism a maximum of 44" above the finished floor? [See Figures 308.2.2.]	N/A		ADAABAG Section 308			
Section 4.6	Operating Controls - Parallel Only If the ATM/Fare Machine is unobstructed or requires no more than a 20" maximum reach over an obstruction, is the height of the operating mechanism a maximum of 48" above the finished floor? [See Figures 308.2.1 and 308.2.2.]	N/A		ADAABAG Sections 308.2.1 308.2.2			
Section 4.7	Vision Impairment - Usability Are all instructions and information for use accessible to and independently usable for persons with vision impairment?	N/A		ADAABAG Section 707			

5. Facilities - Bathing Facility - Showers/Bathtubs  
The following checklists (shower stalls and bathtubs) should be used to evaluate shower stalls and bathtubs that are part of a locker/shower room. DO NOT use this checklist to evaluate showers or bathtubs that are part of transient housing or residential dwelling units.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 5.1	Accessible Route Connection Is the bathing (locker) room on an accessible route?	N/A		ADAABAG Section 402			
Section 5.2	Shower Type/Size Is there a minimum of 1 shower stall that is 36" X 36" or is there a minimum of 1 shower stall that is a minimum of 30" X 60" ?	N/A		ADAABAG Section F213.3.6			
Section 5.3	Transfer In - Approach Does the 36" X 36" (transfer) shower stall provide the proper clearance approach of 36" X 48"? [See Figure 608.2.1]	N/A		ADAABAG Section 608.2.1			
Section 5.4	Roll-In Stall - Approach Does the 30" X 60" shower, if provided, have a 30" X 60" minimum maneuvering clearance?	N/A		ADAABAG Section 608.2.2.1			
Section 5.5	Shower Stall - 36" x 36" - Seat - Size If the shower stall is 36" x 36", is there a seat along the side wall as shown in Figure 608.2.1?	N/A		ADAABAG Section 608.2.1			
Section 5.6	Shower Stall - 36" X 36" - Seat - Height Is the seat mounted 17" to 19" from the floor?	N/A		ADAABAG Section 601.3			
Section 5.7	Shower Stall - 36" X 36" - Seat - Depth Does the seat extend the full depth of the stall? [See Figures 608.2.1, 610.3.1 and 610.3.2]	N/A		ADAABAG Section 610.3.2			
Section 5.8	Shower Stall - 36" x 36" - Seat - Location In the 36" x 36" shower stall, is the seat located on the wall opposite the controls? [See Figure 608.2.1.]	N/A		ADAABAG Section 610.3			
Section 5.9	Shower Stall - 36" X 36" or 36" X 60" - Seat - Load Support Can the shower seat and its attachments support a minimum of 250 lb?	N/A		ADAABAG Section 610.4			
Section 5.10	Shower Stall - 30" x 60" - Seat - Type If a seat is provided in a 30" x 60" shower stall, is the seat a folding type?	N/A		ADAABAG Section 610.3			
Section 5.11	Shower Stall - 30" x 60" - Seat - Location If a seat is provided in a 30" x 60" shower stall, is the seat mounted on the wall adjacent to the controls? [See Figure 608.2.2.]	N/A		ADAABAG Section 610.3			

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Section 5.12	Shower Stall - 36" x 36" - Grab Bars In the transfer shower, are grab bars provided that comply with figure 608.3.17 [See Figure 608.3.1]	N/A	ADAABAG Section 608.3.1
Section 5.13	Shower Stall - 30" x 60" - Grab Bars In the roll-in shower, are grab bars provided that comply with figures 608.3.2 and 608.3.3? [See Figures 608.3.2 and 608.3.3]	N/A	ADAABAG Section 608.3.2, 608.3.3
Section 5.14	Shower Stall - Grab Bar - Locations In the accessible shower stall, are the grab bars 33"-36" above the finished floor?	N/A	ADAABAG Section 608.4
Section 5.15	Shower Stall - Grab Bar Diameter Is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [Figure 608.2.2]	N/A	ADAABAG Section 609.2.1, 609.2.2
Section 5.16	Shower Stall - Grab Bar - Distance to Wall Is the space between the grab bars and the walls 1-1/2"?	N/A	ADAABAG Section 608.3
Section 5.17	Shower Stall - Grab Bar Load Support Can the grab bars support a minimum of 250 pounds?	N/A	ADAABAG Section 608.8
Section 5.18	Shower Stall - Control Operation Is the faucet at the accessible shower stall easy to operate with one hand and not require tight grasping, pinching or twisting of the wrist?	N/A	ADAABAG Section 308.4
Section 5.19	Shower Stall - Controls Operating Force Does the faucet at the accessible shower stall require less than 5 pounds to operate?	N/A	ADAABAG Section 308.4
Section 5.20	Shower Stall - Control Height Are the shower controls positioned between 36"-48" above the floor and is the faucet located as shown in Figures 608.5.1 and 608.5.2?	N/A	ADAABAG Section 608.5.1
Section 5.21	Shower Stall - Shower Hose - Length If the shower has a hand-held, is the shower hose a minimum 59" long?	N/A	ADAABAG Section 608.6
Section 5.22	Shower Stall - Shower Head If the shower head is fixed, is it mounted at 48" above the finished floor or ground surface?	N/A	ADAABAG Section 608.6 Exception
Section 5.23	Shower Stall - 36" X 36" - Maximum Curb Height If a curb is provided at the 36" X 36" shower stall, is the curb no higher than 1/2"?	N/A	ADAABAG Section 608.7
Section 5.24	Shower Stall - 36" x 36" In transfer showers in existing buildings, is the threshold no greater than 2" if provision for the 1/2" threshold would disturb structural reinforcement of the floor slab?	N/A	ADAABAG Section 608.7
Section 5.25	Shower Stall - 30" X 60" - Curb Is the transition into the shower area flush or 1/2" maximum?	N/A	ADAABAG Section 608.7 303
Section 5.26	Shower Enclosure - Obstruction - Controls If there is a shower stall enclosure (door), is it designed so as to not interfere with access to controls, faucets, shower spray units or obstruct transfer onto shower seat?	N/A	ADAABAG Section 608.8
Section 5.27	Bathtubs - If only bathtubs (not showers) are provided, there is to be a minimum of one in each "area" that provides features of accessibility. This checklist is to be used for bathtubs located in public, common use areas. DO NOT use this checklist to evaluate bathtubs located in transient lodging or residential dwelling units	N/A	ADAABAG §213.3.6
Section 5.28	Bathtub - Accessible Route Connection Is the accessible bathtub located on an accessible route?	N/A	ADAABAG Section 402
Section 5.29	Bathtub - Clear Floor Space Does the clear floor space adjacent to the accessible tub comply with [Figure 607.2]?	N/A	ADAABAG Section 607.2
Section 5.30	Bathtub - Seat Provided Is an in-tub seat or seat at the head of the tub provided?	N/A	ADAABAG Section 607.3
Section 5.31	Bathtub - Seat - Load Support Can the bathtub seat and its attachments support a minimum of 250 pounds?	N/A	ADAABAG Section 610.4
Section 5.32	Bathtub - Grab Bar - Provided Are grab bars provided that comply with Figures 607.4.1 and 607.4.2?	N/A	ADAABAG Section 607.4
Section 5.33	Bathtub - Grab Bar - Diameter Is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [See Figures 608.2.2]	N/A	ADAABAG Section 609.2.1, 609.2.2
Section 5.34	Bathtub - Grab Bar - Distance to Wall If the grab bar is mounted adjacent to the wall, is the space between the wall and grab bar 1-1/2"?	N/A	ADAABAG Section 608.3
Section 5.35	Bathtub - Grab Bar Load Support Can the grab bars support a minimum of 250 pounds?	N/A	ADAABAG Section 608.8
Section 5.36	Bathtub - Controls - One-Handed Operation Is the faucet at the accessible bathtub easy to operate with one hand and not require tight grasping, pinching or twisting of the wrist?	N/A	ADAABAG Section 607.5, 308.4
Section 5.37	Bathtub - Controls - Operating Force Does the faucet at the accessible bathtub require less than 5 pounds to operate?	N/A	ADAABAG Section 607.5, 308.4
Section 5.38	Bathtub - Shower Controls - Location Are the controls located a maximum of 36" above the bathroom floor and positioned off-center and close to the outside edge of the tub? [See Figure 607.5]	N/A	ADAABAG Section 607.5
Section 5.39	Bathtub - Shower Unit - Fixed/Hand-Held Spray Is there a shower spray unit that can be used as both a fixed shower head or as a hand-held shower?	N/A	ADAABAG Section 607.6
Section 5.40	Bathtub - Shower Hose - Length Is the hose on the shower spray unit a minimum 59" long?	N/A	ADAABAG Section 607.6
Section 5.41	Bathtub - Enclosure Door If the bathtub has an enclosure (door), is the enclosure located so it does not obstruct controls or transfer from wheelchairs onto bathtub seats or into tubs?	N/A	ADAABAG Section 607.7

**6. Facilities - Checkout Aisles, Sales and Service**

This checklist is to be used to evaluate counters used as sales, service, teller windows and information counters in business transactions with the public. This checklist is also to be used to evaluate checkout aisles where cash registers are provided.

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Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 6.1	Counter - Accessible Route Connection Is the accessible counter on an accessible route? Note: In alterations where it is technically infeasible, an auxiliary counter that complies may be provided.	No	Serious	ADAABAG Section 402	Accessible counter is not provided	Appendix G	
Section 6.2	Counter - No Cash Register - Parallel Approach At ticket counters, registration counters and other counters with no cash registers, is there a portion of counter that is a minimum of 36" wide and a maximum of 36" high for a parallel approach?	No	Critical	ADAABAG Section 904.4.1	Counter is 42" above finished floor at the counter and 44" above finished floor at the service window	Appendix G	
Section 6.3	Counter - No Cash Register - Front Approach At ticket counters, registration counters and other counters with no cash registers, is there a portion of counter that is a minimum of 30" wide, maximum 36" high and provides 25" maximum toe clearance depth with 27" above finished floor knee clearance for a	No	Critical	ADAABAG Section 904.4.2	Counters are at 42" high	Appendix G	
Section 6.4	Counter - No Cash Register At ticket counters, registration counters and other counters with no cash registers, if there is not a portion of counter that is a minimum of 36" wide and a maximum of 36" high, is there an auxiliary counter in close proximity? (Note: Alterations only.)	No	Serious	ADAABAG Best Practice	Auxiliary counter space is not provided	Appendix G	
Section 6.5	Check Out Aisle - Quantity Are the number of accessible check out aisles compliant with the chart below? EXCEPTION (new construction): If the selling area is less than 5,000 square feet, only 1 aisle is required to be accessible. [See Chart 227.2]	N/A		ADAABAG Section F227.2			
Section 6.6	Check Out Aisle - Width Is the aisle at least 36" wide?	N/A		ADAABAG Section 402			
Section 6.7	Check Out Aisle - Adjustable Counter Height Is the maximum height of the check out counter no greater than 38"? Note: The lip or guide provided to keep products on the counter is to be no higher than 40" [See Figure 904.3.2]	N/A		ADAABAG Section 904.3.2			
Section 6.8	Check Out Aisles - Check Writing Surface If provided, is the top of the check writing surface between 28" and 34" above the finished floor?	N/A		ADAABAG Section 902.3 904.3.3			
Section 6.9	Security Bollards - Width If security bollards or security devices to prevent removal of carts are present, is there an accessible route for individuals in wheelchairs that is 32" minimum? Note: An alternative, equally convenient location is acceptable. (Note: Security devices to deter	N/A		ADAABAG Section 403.5.1 Exception			

7. Facilities - Depository, Vending Machines, Change Machines, Mailboxes  
This checklist is to be used when evaluating vending machines, depositories, change machines, mailboxes and fuel dispensing machines.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 7.1	Accessible Route Connection Is a minimum of one of each type of vending machine (depository, change machine, etc) along an accessible route?	N/A		ADAABAG Section 402			
Section 7.2	Clear Floor Space Is there a clear floor space of 30" x 48" in front of the vending machine to allow a forward or parallel approach? [See Figure 305.3]	N/A		ADAABAG Sections F228.306.3			
Section 7.3	Clear Floor Space - Alcove If the clear floor space area is located in an alcove, does it conform with clearances detailed in? [See Figure 305.7.1]	N/A		ADAABAG Sections F228.305.7.1			
Section 7.4	Reach Ranges Are the reach ranges to the highest operable part positioned between 15" and 48" for either a side or forward approach? [See Figures 306.2.1 and 306.3.1]	N/A		ADAABAG Sections 306.2.1 306.3.1			
Section 7.5	Controls - Operation Are controls and operating mechanisms at the vending machine(s) operable with one hand and do not require tight grasping, pinching, or twisting of the wrist?	N/A		ADAABAG Sections 309.4			
Section 7.6	Controls - Operational Force Is the force required to activate controls at the vending machine(s) no greater than 5 pounds?	N/A		ADAABAG Sections 309.4			

8. Facilities - Dining Surfaces and Work Surfaces  
This checklist is to be used to evaluate seating or tables available to the public or in common use areas.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 8.1	Dining and Work Surfaces - Accessible Route Connection Is there an accessible route to the area where accessible seating and tables are provided?	Yes		ADAABAG Section 402.902			
Section 8.2	Dining and Work Surfaces - Accessibility Percentage If seating or tables are provided in accessible common or public use spaces, are at least 5% (but not less than 1) of the seats and tables accessible?	Yes		ADAABAG Section F228.1	Non-fixed furniture		
Section 8.3	Dining and Work Surfaces - Clear Floor Space At tables with seating spaces for people in wheelchairs, is a clear floor or ground space of 30" x 48" provided? (See Figure 305.3)	Yes		ADAABAG Section 305.3			
Section 8.4	Dining and Work Surfaces - Knee Clearance At accessible tables, are they a minimum of 30" wide, maximum 34" high and provide 25" maximum toe clearance depth with 27" above finished floor knee clearance? [See Figures 306.2 and 306.3]	Yes		ADAABAG Section 902.2.306.2			
Section 8.5	Dining and Work Surfaces - Top Surface - Height At accessible tables, is the top surface 28" to 34" above the finished floor or ground?	Yes		ADAABAG Section 902.3			

9. Facilities - Doors, Doorways and Gates  
Within a building or facility, at least one door or doorway serving each accessible room or space shall be accessible. Gates follow the same criteria as interior doors.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number

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Section 9.1	Interior Doors - Revolving Doors/Turnstiles If there are revolving doors or turnstiles along an accessible route, is there an adjacent door or opening that is accessible (32" minimum, easy hardware, low threshold, etc)?	N/A		ADAABAG Section 404.2.1			
Section 9.2	Interior Doors - Double Leaf If there are double doors, 2 operable leaves next to each other, is one operable leaf at least 32" clear opening?	N/A		ADAABAG Sections 404.2.2, 404.2.3			
Section 9.3	Interior Doors - Clear Width At doorways required to be accessible (leading to an accessible space or along an accessible route) is the clear opening a minimum of 32"? [See Figure 404.2.3] EXCEPTION: For doorways that are not required passages (such as a shallow	Yes		ADAABAG Section 404.2.3			
Section 9.4	Interior Doors - In Recess If the door is in a recess, is the recess no more than 8"? [See Figure 404.2.4.3]	N/A		ADAABAG Section 404.2.4.3			
Section 9.5	Interior Doors - Maneuvering Clearance If doors are not automatic or power assisted, do they provide the minimum maneuvering clearances as shown in Figure 404.2.4 (a-k)? (Notes: There is to be 18" of clear space on the pull side of the door and 12" of clear space on the push side.)	No	Serious	ADAABAG Section 404.2.4	Interior doors do not have the minimum clearances adjacent to the latch side, non-fixed furniture is within the minimum clearance of the office interior door, drinking fountain is within the minimum clearance of the service counter interior door.	Appendix G	
Section 9.6	Interior Doors Both Sides - Level Is the floor or ground area level (maximum 1:48) on both sides of the door?	Yes		ADAABAG Section 404.2.4.4			
Section 9.7	Interior Doors - Doors in Series - Distance Between Doors Is the minimum space between two hinged or pivoted doors in series 48" plus the width of any door swinging into the space? (Note: Doors in series shall swing either in the same direction or away from the space)	N/A		ADAABAG Section 404.2.6			
Section 9.9	Interior Doors - Threshold - Bevel Are raised threshold and floor level changes a maximum of 1/2" at accessible doors and beveled with a slope no greater than 1:2? [See Figure 302]	Yes		ADAABAG Section 404.2.5			
Section 9.9	Interior Doors - One-Handed Operation Do handles, pulls, latches, locks or other operating devices on doors have a shape that is easy to grasp with one hand and not require tight grasping, tight pinching or twisting of the wrist to operate? (Note: Easy to grasp operating mechanisms include	Yes		ADAABAG Section 309.4			
Section 9.10	Interior Doors - Hardware - Height Is the door opening hardware positioned between 34" and 48" above the floor or ground surface?	Yes		ADAABAG Section 404.2.7			
Section 9.11	Interior Doors - Spring Delay If the door has a spring hinge, is the sweep period of the spring hinge adjusted so that from an open position of 70 degrees, the door will take at least 1.5 seconds to close.	N/A		ADAABAG Section 404.2.8.2			
Section 9.12	Interior Doors - Closer Delay If a door has a closer, is the sweep period of the closer adjusted so that from an open position of 90 degrees, the door will take at least 5 seconds to move to a point 12 degrees from the latch, measured to the leading edge of the door?	N/A		ADAABAG Section 404.2.8.1			
Section 9.13	Interior Doors - Opening Force At interior hinged, sliding, or folding doors, is the force required to push or pull open the door a maximum of 5 lb?	Yes		ADAABAG Section 404.2.9			
Section 9.14	Automatic/Power Assisted Doors If the door is automatic or power assist (not required by ADAABAG or UFAS), does the operating mechanism conform with ANSI/BHMA A 156.10/A 156.19 requirements? (Note: Check labels on unit if possible.)	N/A		ADAABAG Section 404.3			
Section 9.15	Interior Doors - Door Surface Is there a 10" smooth surface extending the full width of the bottom of the push side of the door?	Yes		ADAABAG Section 404.2.10			
Section 9.19	Automatic Doors - With Push Button Is a clear floor space beyond the arc of the door swing provided at the control?	N/A		ADAABAG Section 404.3.5			

**10. Facilities - Dressing, Fitting and Locker Rooms**

Use this checklist to evaluate dressing, fitting and locker rooms when provided. If there are multiple locations (Men's, Women's, different departments or areas), each is to be evaluated separately and each location is to provide features of accessibility. Dressing and fitting rooms can also be associated with wet areas such as pools and showers.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 10.1	Dressing, Fitting and Locker Rooms - Route Is the accessible dressing, fitting or locker room located on or along an accessible route?	N/A		ADAABAG Section 402			
Section 10.2	Dressing, Fitting and Locker Rooms - Minimum Quantity Where dressing, fitting or locker rooms are provided for public, patients, customers or employees, is there a minimum of 5%, with no less than 1, that provide features of accessibility?	N/A		ADAABAG Section F221.1			
Section 10.3	Dressing, Fitting and Locker Rooms - Minimum Quantity per Cluster If dressing, fitting or locker rooms serve different genders or a distinct use (i.e. department or space), is there a minimum of 1 in each cluster that provides features of accessibility?	N/A		ADAABAG Section F221.1			
Section 10.4	Dressing, Fitting and Locker Rooms - Clear Floor Space (Door) Within the accessible dressing, fitting or locker room, is there a space that allows a wheelchair user to make a 180 degree turn when the room is entered by a swinging or sliding door?	N/A		ADAABAG Section 803.2.304			
Section 10.5	Dressing, Fitting and Locker Rooms - Clear Floor Space (Curtain) Within the accessible dressing, fitting or locker room, is there a space a minimum of 30" X 48" that allows a wheelchair user to enter when the room has either a curtain or no door? (Note: the door opening must be a	N/A		ADAABAG Section 803.2.304			
Section 10.9	Dressing, Fitting and Locker Rooms - Doors - Width Is the door of the accessible dressing, fitting or locker room a minimum 32" clear opening?	N/A		ADAABAG Section 404			
Section 10.7	Dressing, Fitting and Locker Rooms - Door - Maneuvering Does the accessible dressing, fitting or locker room door provide maneuvering clearance of 18" on the push side and 12" on the pull side?	N/A		ADAABAG Section 404.2.4			
Section 10.8	Dressing, Fitting and Locker Rooms - Door - Hardware Is the door opening mechanism on the door to the accessible dressing, fitting or locker room easily operable, requiring minimal twisting, grip or strength to operate?	N/A		ADAABAG Section 309.4			
Section 10.8	Dressing, Fitting and Locker Rooms - Hardware Height Is the door opening mechanism on the door to the accessible dressing, fitting or locker room mounted between 34" and 48" above the floor?	N/A		ADAABAG Section 404.2.7			

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Section 10.10	Dressing, Fitting and Locker Rooms - Bench In the accessible dressing, fitting or locker room, is there a fixed bench a minimum of 42" long and between 20" and 24" deep?	N/A		ADAABAG Section 903.4, 903.3		
Section 10.11	Dressing, Fitting and Locker Rooms - Bench Height Is the fixed bench mounted between 17" and 19" above the floor?	N/A		ADAABAG Section 903.4, 903.5		
Section 10.12	Dressing, Fitting and Locker Rooms - Bench Clear Floor Space Is there a clear floor space of 30" X 48" along side the fixed bench to allow for transfer?	N/A		ADAABAG Section 903.2		
Section 10.13	Dressing, Fitting and Locker Rooms - Bench Support Is the bench designed to support 250 lbs of weight?	N/A		ADAABAG Section 903.9		
Section 10.14	Dressing, Fitting and Locker Rooms - Benches in Wet Areas/ Pools/ Showers If the bench is associated with a wet area such as a shower or pool, is the seat slip resistant and designed to prevent accumulation of water?	N/A		ADAABAG Section 903.7		
Section 10.15	Dressing, Fitting and Locker Rooms - Mirror If there are mirrors provided within typical dressing, fitting or locker rooms, is there a full length mirror provided in the accessible dressing, fitting or locker room?	N/A		NPS Best Practices		
Section 10.18	Dressing, Fitting and Locker Rooms - Mirror - Location Is the accessible full length mirror positioned to be used for viewing from the bench and a standing position?	N/A		NPS Best Practices		
Section 10.17	Dressing, Fitting and Locker Rooms- Coat Hook If coat hooks are provided, is there a minimum of one that is located no higher than 44" if it is over an obstruction greater than 20" or located no higher than 48" if it is unobstructed or the obstruction is less than	N/A		ADAABAG Section 306.3, 306.5		
Section 10.18	Dressing, Fitting and Locker Rooms- Shelves If provided, is the shelf between 40" and 48" above the finished floor or ground?	N/A		ADAABAG Section 303.5		

**11. Facilities - Drinking Fountains**  
This checklist is to be used when evaluating drinking fountains and water coolers within buildings.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 11.1	Drinking Fountain/Water Cooler - Quantity - 1 Per Floor If there is only one location per floor where the drinking fountain/water cooler is located, is it a high/low design?	No	Minor	ADAABAG Section F211.2	One high drinking fountain	Appendix G	
Section 11.2	Drinking Fountain/Water Cooler - Quantity - Multiple Per Floor If more than one drinking fountain/water cooler is located on a floor, are at least 50% of the locations accessible (spout at 36")?	N/A		ADAABAG Section F211.3			
Section 11.3	Drinking Fountain/Water Cooler - Quantity If more than one drinking fountain/water cooler is located on a floor, do at least 50% of the locations have a spout height between 38" and 43" above the finished floor for standing persons?	N/A		ADAABAG Section F211.3, 602.7			
Section 11.4	Drinking Fountain/Water Cooler - Accessible Route Connection Is/are the accessible drinking fountain (s) located along an accessible route?	Yes		ADAABAG Section 402			
Section 11.5	Wall/Post Mount - Clear Floor Space If the drinking fountain is a wall or post-mounted cantilevered unit, is there a clear floor space that is a minimum of 30" x 48" to allow for a forward approach to the unit? [See Figure 306.5 (a)]	No	Seious	ADAABAG Section 602.2, 306.5	Does not have 48" clear floor space, drinking fountain is within the accessible aisle	Appendix G	
Section 11.6	Spout Height Is the spout outlet (where the water comes out) no higher than 36" from the floor or ground?	Yes		ADAABAG Section 602.4			
Section 11.7	Spout - Front Is the spout positioned at 15" minimum from the vertical support and 5" maximum from the front edge of the unit? [See Figure 602.5]	Yes		ADAABAG Section 602.5			
Section 11.9	Water Height Does the spout provide a water flow at least 4" high?	Yes		ADAABAG Section 602.6			
Section 11.9	Controls - Location Are the controls positioned at the front or side mounted near the front edge?	Yes		ADAABAG Section 602.3, 309	Front and side mounted controls		
Section 11.10	Easy Operable Controls Are the controls operable without tight grasping, pinching or twisting of the wrist?	Yes		ADAABAG Section 602.3, 309			
Section 11.11	Controls Operating Force Do the controls require no more than 5 pounds to activate?	Yes		ADAABAG Section 602.3, 309			
Section 11.12	Projection - Wall If the drinking fountain projects from the wall more than 4" (and it is not in an alcove), are the leading edges positioned no higher than 27" above finished floor?	Yes		ADAABAG Section 307.2			
Section 11.13	Wall/Post Mount - Knee Space If the drinking fountain is a wall or post-mounted cantilevered unit, is there a clear knee space between the bottom of the apron and the floor or ground that is at least 27" high, 30" wide, and a maximum of 25" deep? [See Figures 306.2 and 306.3.]	Yes		ADAABAG Section 306			
Section 11.14	Projection - Post/Pylon If the drinking fountain is mounted on a post or pylon more than 27" above the ground or finished floor, does the drinking fountain protrude a maximum of 12"? [See Figure 307.3]	N/A		ADAABAG Section 307.3			

**12. Facilities - Elevators**  
This checklist is to be used to evaluate passenger elevators (not freight) for independent use by the public. If there are multiple elevators at a single site, evaluate each.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 12.1	Elevator Door Automatic Is the elevator and door operation automatic?	N/A		ADAABAG Section 407.3.2			
Section 12.2	Self Leveling Is the elevator equipped with a self-leveling feature that will ensure a maximum 1/2" rise when the door opens?	N/A		ADAABAG Section 407.4.4			

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Section 12.3	Hall Call Button - Height Are hall call buttons located at 48" maximum to the center of the highest operable part? EXCEPTION 407.2.1- existing call buttons may be at a maximum height of 54".	N/A	ADAABAG Section 407.2.1.1		
Section 12.4	Hall Call Button - Visual Does the hall call button on each floor have a visual signal (light) to indicate when a call is requested and when the call is answered (light goes off)?	N/A	ADAABAG Section 407.2.1.5		
Section 12.5	Hall Call Button - Up on Top Are the hall call buttons positioned so the up direction is on top?	N/A	ADAABAG Section 407.2.1.4		
Section 12.6	Hall Call Button - Minimum Size Are the hall call buttons at least 3/4" in the smallest dimension? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.1.2		
Section 12.7	Hall Call Button - Raised or Flush Are the hall call buttons either raised or flush (not recessed)? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.1		
Section 12.8	Hall Call Button - Obstructions Is there a 30" x 48" clear floor space at the hall call buttons with no obstructions?	N/A	ADAABAG Section 407.2.1.3		
Section 12.9	Visual Signal Is there a visible signal at each elevator entrance that indicates the car is arriving? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.1		
Section 12.10	Lantern - Height Are the visual signals for the hall lantern mounted a minimum of 72" above the floor? [See Figure 407.2.2.2.] EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.2		
Section 12.11	Lantern - Size Are the visual car signal elements on the hall lanterns at least 2-1/2" in the smallest dimension? [See Figures 407.2.2.2.] EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.2		
Section 12.12	Lantern - Visibility Is the hall lantern visible from the vicinity of the hall call button? [See Figure 407.2.2.2.] EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.2		
Section 12.13	Audible Signal Is an audible signal provided at each elevator entrance door to indicate the car is arriving? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.3		
Section 12.14	Audible Signal - Direction When the elevator arrives, does the audible signal sound once for the up direction and twice for the down direction or does the audio signal announce "up" or "down"? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.2.2.3		
Section 12.15	Jamb Identification Are raised and Braille floor designations provided on both sides of the elevator door jamb?	N/A	ADAABAG Section 407.2.3.1		
Section 12.16	Jamb Identification - Height Are the floor designations mounted on the door jamb so the baseline of the characters are mounted between 48" and 60" above the floor? [See Figure 703.4.1.]	N/A	ADAABAG Section 407.2.3.1, 703.4.1		
Section 12.17	Jamb Identification - Character Height Are characters 2" high, raised 1/32" and is grade II Braille included? [See Figure 703.2.5.]	N/A	ADAABAG Section 407.2.3.1, 703.2		
Section 12.18	Door Reopening Do the doors have an automatic reopening device if a person or object is in the doorway? EXCEPTION: not required for existing elevators with manual doors.	N/A	ADAABAG Section 407.3.3		
Section 12.18	Door Reopening Detection Can the automatic reopening device detect obstructions in the doorway between 5" and 28" above the floor?	N/A	ADAABAG Section 407.3.3.1		
Section 12.20	Door Reopening Delay Does the reopening device keep the door open for at least 20 seconds?	N/A	ADAABAG Section 407.3.3.3		
Section 12.21	Doors - Closing Delay Do the elevator doors remain open an adequate amount of time (a minimum of 5 seconds) from notification from the hall lantern until the doors begin to close?	N/A	ADAABAG Section 407.3.4		
Section 12.22	Door Open Time Do the elevator doors remain fully open a minimum of 3 seconds?	N/A	ADAABAG Section 407.3.5		
Section 12.23	Elevator Car - Maneuvering Space Does the elevator car provide adequate maneuvering space to enter and exit? [See Figure 407.4.1.]	N/A	ADAABAG Section 407.4.1		
Section 12.24	Elevator Car - Door Opening Is the elevator door opening a minimum of 36" wide?	N/A	ADAABAG Section 407.3.6		
Section 12.25	Elevator Car - Maneuvering Control - Access Does the elevator car provide adequate maneuvering space to access controls?	N/A	ADAABAG Section 407.4.6		
Section 12.29	Elevator Car - Floor - Gaps Is the gap between the car platform sill and the edge of the elevator landing 1-1/4" or less?	N/A	ADAABAG Section 407.4.3		
Section 12.27	Elevator Car - Floor - Surface Is the floor of the elevator car stable, firm and slip resistant?	N/A	ADAABAG Section 407.4.2, 302		
Section 12.28	Elevator Car - Carpet - Secure If there is carpet, is the carpet securely attached and is the pile a maximum 1/2"?	N/A	ADAABAG Section 407.4.2, 302, 303		
Section 12.29	Elevator Car - Illumination Is the inside of the elevator car adequately illuminated (a minimum of 5 foot-candles)?	N/A	ADAABAG Section 407.4.5		
Section 12.30	Elevator Car - Control - Size Are the interior car control buttons at least 3/4" in their smallest dimension?	N/A	ADAABAG Section 407.4.6.2.1		
Section 12.31	Elevator Car - Control - Raised or Flush Are the interior car control buttons raised or flush? EXCEPTION: not required for existing elevators.	N/A	ADAABAG Section 407.4.6.2		
Section 12.32	Elevator Car - Controls - Raised Braille Are interior car control buttons designated by Braille and raised characters?	N/A	ADAABAG Section 407.4.7.1.1		

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Section 12.33	Elevator Car - Control Designation - Left Are interior car control designations (Braille and raised characters) mounted to the left side of the buttons?	N/A		ADAABAG Section 407.4.7.1.2			
Section 12.34	Elevator Car - Control - Star Is there a 'Star' car control designation for the main entry floor?	N/A		ADAABAG Section 407.4.7.1.3			
Section 12.35	Elevator Car - Control - Visual Do the interior car control buttons have a visual indicator to show when the floor registers?	N/A		ADAABAG Section 407.4.7			
Section 12.36	Elevator Car - Control - Visual Off Do the interior call control button indicators go off when the car arrives on the floor?	N/A		ADAABAG Section 407.4.7.1.4			
Section 12.37	Elevator Car - Control - Maximum Reach Ranges Are the interior car control buttons located between 15" and 48"? EXCEPTION: If elevator panel serves more than 16 openings and a parallel approach is provided, controls may be a maximum of 54". EXCEPTION: In existing	N/A		ADAABAG Section 407.4.8.1.308			
Section 12.38	Elevator Car - Emergency Control - Height Are the emergency controls and stop button positioned at the bottom of the panel with the buttons centered no less than 35" above the finished floor?	N/A		ADAABAG Section 407.4.8.4.1			
Section 12.39	Car Position - Indicator Is there a visual car position indicator above the control panel or above the door?	N/A		ADAABAG Section 407.4.7.1.4			
Section 12.40	Car Position - Visual Does the visual car position indicator illuminate as the car passes or stops at a floor?	N/A		ADAABAG Section 407.4.8.1.3			
Section 12.41	Car Position - Audible Does the car position indicator have an audible signal that sounds as it passes or stops at a floor?	N/A		ADAABAG Section 407.4.8.2			
Section 12.42	Car Position - Size Does the visual car position indicator have numerals that are a minimum 1/2" high?	N/A		ADAABAG Section 407.4.8.1.1			
Section 12.43	Car Position - Audible Intensity Does the car position indicator have an audible signal 10-80 decibels?	N/A		ADAABAG Section 407.4.8.2.2			
Section 12.44	Car Position - Maximum Sound Level Does the car position indicator have a audible signal with a frequency between 300Hz and 3,000 Hz?	N/A		ADAABAG Section 407.4.8.2.3			
Section 12.45	Two-Way Communication - Height If provided, does the emergency two-way communication system have its highest operable part a maximum 48" above the floor?	N/A		ADAABAG Section 407.4.8.308			
Section 12.46	Two-Way Communication - Identification If provided, is the emergency two-way communication system identified with raised symbols, lettering and Braille adjacent to the device?	N/A		ADAABAG Section 407.4.8.703.2			
Section 12.47	Two-Way Communication - Easy Door If there is an emergency communication system and it is located in a closed compartment, is the compartment door easy to open without tight grasping, pinching or twisting of the wrist?	N/A		NPS Best Practices			
Section 12.48	Two-Way Communication - Audio and Visual If there is an emergency communication system, is the system both visual and audible?	N/A		NPS Best Practices			
Section 12.49	Two-Way Communication - Non-Voice Activation Does the emergency communication system operate without voice communication?	N/A		NPS Best Practices			

13. Facilities - Entrance Doors							
This checklist is to be used to evaluate all entrances into a building							
Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 13.1	Entrance Door - Main Public Entrance Is the main entrance accessible?	No	Critical	NPS Best Practices	Clear area in front of the door opens to a vehicular entrance lane	Appendix G	
Section 13.2	Entrance Door Are at least 60% of all public entrances accessible?	Yes		ADAABAG Section F206.4.1			
Section 13.3	Entrance Door - Accessible Route Is the accessible entrance(s) located on an accessible route?	No	Critical	ADAABAG Section 402	The accessible entrance does not have an accessible route that connects the fee building to the accessible parking stalls or passenger loading zone	Appendix G	
Section 13.4	Entrance Door - Accessible Route Connection Are accessible entrances connected by an accessible route to public transportation stops, accessible parking and passenger loading zones, and public streets or sidewalk (if present)?	No	Critical	ADAABAG Section F206.4	An accessible walking surface and curb ramp are not provided from the passenger loading zone or accessible parking stalls	Appendix G	
Section 13.5	Entrance Doors - In Recess If the door is in a recess, is the recess no more than 8"? [See Figure 404.2.4.3]	N/A		ADAABAG Section 404.2.4.3			
Section 13.6	Entrance Door - International Symbol of Accessibility Signage If all public entrances are not accessible, are the accessible entrances identified by the International Symbol of Accessibility?	No	Minor	ADAABAG Section F216.6	Entrances are not identified by the International Symbol of Accessibility	Appendix C	61421-C1020-1-LMAC
Section 13.7	Entrance Door - Directional Signage If all entrances are not accessible, is there directional signage at the inaccessible entrance(s) indicating the route(s) to the nearest accessible entrance(s)?	N/A		ADAABAG Section F216.6			
Section 13.8	Entrance Doors - Revolving Doors/Turnstiles If there are revolving doors or turnstiles along an accessible route, is there an adjacent door or opening that is accessible (32" minimum, easy hardware, low threshold, etc)?	N/A		ADAABAG Section 404.2.1			
Section 13.9	Entrance Doors - Double Leaf If there are double doors, 2 operable leafs next to each other, is one operable leaf at least 32" clear opening?	N/A		ADAABAG Section 404.2.2, 404.2.3			
Section 13.10	Entrance Doors - Clear Width At doorways required to be accessible (leading to an accessible space or along an accessible route) is the clear opening a minimum of 32"? [See Figure 404.2.3] EXCEPTION: For doorways that are not required passages (such as a shallow	Yes		ADAABAG Section 404.2.3			
Section 13.11	Entrance Doors - Spring Delay If the door has a spring hinge, is the sweep period of the spring hinge adjusted so that from an open position of 70 degrees, the door will take at least 1.5 seconds to close.	Yes		ADAABAG Section 404.2.6.2			

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Section 13.12	Entrance Doors - Maneuvering Clearance If doors are not automatic or power assisted, do they provide the minimum maneuvering clearances as shown in Figure 404.2.4 (a-h)? (There is to be 18" of clear space on the pull side of the door and 12" of clear space on the push side.)	Yes		ADAABAG Section 404.2.4	Maneuvering area is adjacent to vehicular entry lane		
Section 13.13	Entrance Doors - Door Surface Is there a 10' smooth surface extending the full width of the bottom of the push side of the door?	Yes		ADAABAG Section 404.2.10			
Section 13.14	Automatic Doors - With Push Button Is a clear floor space beyond the arc of the door swing provided at the control?	N/A		ADAABAG Section 404.3.5			
Section 13.15	Entrance Doors Both Sides - Level Is the floor or ground area level (maximum 1:48) on both sides of the door?	Yes		ADAABAG Section 404.2.4.4			
Section 13.16	Entrance Doors - Doors in Series - Distance Between Doors Is the minimum space between two hinged or pivoted doors in series 48" plus the width of any door swinging into the space? (Note: Doors in series shall swing either in the same direction or away from the space)	N/A		ADAABAG Section 404.2.6			
Section 13.17	Entrance Doors - Threshold - Bevel Are raised threshold and floor level changes a maximum of 1/2" at accessible doors and beveled with a slope no greater than 1:2? [See Figure 302]	Yes		ADAABAG Section 404.2.5			
Section 13.18	Entrance Doors - One-Handed Operation Do handles, pulls, latches, locks or other operating devices on doors have a shape that is easy to grasp with one hand and not require tight grasping, light pinching or twisting of the wrist to operate? (Note: Easy to grasp operating mechanisms include	Yes		ADAABAG Section 309.4			
Section 13.19	Entrance Doors - Hardware - Height Is the door opening hardware positioned between 34" and 48" above the floor or ground surface?	Yes		ADAABAG Section 404.2.7			
Section 13.20	Entrance Doors - Closer Delay If a door has a closer, is the sweep period of the closer adjusted so that from an open position of 90 degrees, the door will take at least 5 seconds to move to a point 12 degrees from the latch, measured to the leading edge of the door?	Yes		ADAABAG Section 404.2.9.1			
Section 13.21	Entrance Doors - Opening Force At hinged, sliding, or folding doors, is the force required to push or pull open the door a maximum of 5 lb?	Yes		ADAABAG Section 404.2.9			
Section 13.22	Automatic/Power Assisted Doors If the door is automatic or power assist (not required by ADAABAG or UFAS), does the operating mechanism conform with ANSI/BHMA A 156.10/A 156.19 requirements? (Note: Check labels on unit if possible.)	N/A		ADAABAG Section 404.3			

14. Facilities - Fire Alarms Systems

If building alarms are provided, they are to be audible and visual, and located at a minimum in the following areas: toilet rooms and other general use areas such as meeting rooms, hallways, lobbies and other areas of common use.

Surveyor Note: It is not recommended that surveyors "set off" the alarm systems to check frequency or intensity. A review of other requirements, such as placement and visual/audible components, can occur. Frequency and intensity can be verified by product specification guide or building operator. Note: Requirements now reference VFPA72 (1999 or 2002 edition).

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 14.1	Audible and Visual If there is an emergency warning system, are there both audible and visual alarms?	N/A		ADAABAG Section 702.1			
Section 14.2	Visual - Spacing If there are visual alarms, are they placed so they are no more than 50' apart?	N/A		ADAABAG Section 702.1			
Section 14.3	Audible Alarm - Level Does the audible alarm produce a sound that is a minimum 15 dba greater than the surrounding sound level in this space? *Alarm sound levels shall not exceed 110 dba.	N/A		ADAABAG Section 702.1			
Section 14.4	Visual Strobe Color Is the color of the strobe clear or nominal white?	N/A		ADAABAG Section 702.1			
Section 14.5	Visual Light Intensity Is the strobe intensity a minimum 75 candela?	N/A		ADAABAG Section 702.1			
Section 14.6	Visual Flash Rate Is the strobe flash rate between 1 and 3 Hz?	N/A		ADAABAG Section 702.1			
Section 14.7	Visual Height Is the visual alarm placed 80" above the floor or 6" below the ceiling, whichever is lower?	N/A		ADAABAG Section 702.1			

15. Facilities - Guest Rooms (Hotels, Motels, etc.)

This checklist is to be used when evaluating transient lodging facilities. The facility must contain more than 4 units or is occupied by a proprietor including hotels, motels, inns, boarding houses, dormitories, resorts and other similar pieces of transient lodging. This checklist is to be used for concession or park owned facilities.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 15.1	Accessible Guest Rooms and Suites-Accessible Route Are the accessible mobility feature guestrooms on an accessible route?	N/A		ADAABAG Section 402			
Section 15.2	General Guestroom & Suite Issues Do entry doors, connecting room doors, and interior doors (except doors to shallow closets) into and within all guestrooms and suites allow 32" clear passage width so persons who use wheelchairs, crutches, and other mobility aids can visit or stay in other rooms?	N/A		Department of Justice, ADAABAG F224.1.2			
Section 15.3	General Guestroom & Suite Issues Do bathroom doors in all guestrooms allow 32" clear passage width so persons who use wheelchairs, crutches, and other mobility aids can visit or stay in other rooms and use the bathroom?	N/A		Department of Justice, ADAABAG F224.1.2			
Section 15.4	Accessible Guest Rooms and Suites-Quantity Does the hotel have the proper number of accessible guestrooms and accessible guestrooms with roll-in showers, based on Table F224.2?	N/A		Department of Justice, ADAABAG F224.2			
Section 15.5	Accessible Guest Rooms and Suites-Quantity Are the proper number of guestrooms providing communication features provided, based on Table F224.4?	N/A		Department of Justice, ADAABAG F224.4			

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Section 15.6	Accessible Guest Rooms and Suites- Communication Features Is an electrical outlet within 4' of the telephone jack for TTY use provided in each accessible guestroom/suite providing communication features as per Table F224.4?	N/A		Department of Justice, ADAABAG 806.3.2	
Section 15.7	Accessible Guest Rooms and Suites- Communication Features Is a visual notification device for door knocks and phone calls provided in each accessible guestroom/suite providing communication features as per Table F224.4?	N/A		Department of Justice, ADAABAG 806.3.2	
Section 15.9	Accessible Guest Rooms and Suites-Communication Features Where emergency warning systems are provided, is there an audio and visual alarm complying with 702 provided in the accessible guest rooms providing communication features as per Table F224.4?	N/A		Department of Justice, ADAABAG 806.3.1	
Section 15.9	Accessible Guest Rooms and Suites-Quantity Have the required accessible guestrooms been distributed among the various classes and types of rooms (1 bed, connecting rooms, whirlpool tub suites, smoking, non-smoking view, etc) to provide persons with disabilities the same or similar choice as other guests.	N/A		Department of Justice, ADAABAG F224.5	
Section 15.10	Accessible Guest Rooms and Suites-Communication Features Is a minimum of one accessible guestroom/suite providing mobility features also providing communication features?	N/A		ADAABAG F224.5	
Section 15.11	Accessible Guest Rooms and Suites Is the door hardware (levers, pulls, panic bars, etc.) on all entry doors to accessible guestrooms and other passage doors within the room usable with one hand, without tight grasping, pinching, or twisting of the wrist?	N/A		Department of Justice, ADAABAG 309.4	
Section 15.12	Accessible Guest Rooms and Suites On the pull side of each door (i.e.: entry door, connecting room door, bathroom doors and other passage doors) in every accessible guestroom/suite, are there at least 18" of clear floor space on the latch side for persons who use wheelchairs, or other mobility devices?	N/A		Department of Justice, ADAABAG 404.2.4	
Section 15.13	Accessible Guest Rooms and Suites Is the security latch or bolt on the hall door mounted between 34" and 48" above the floor so it is within the reach of persons who use wheelchairs and is it operable with one hand, without tight grasping, pinching or twisting of the wrist?	N/A		Department of Justice, ADAABAG 404.2.7, 309.4	
Section 15.14	Accessible Guest Rooms and Suites In accessible guestrooms with one bed, is there at least a 36" wide route on each side of the bed to allow persons who use wheelchairs to transfer onto the bed from either side?	N/A		Department of Justice, ADAABAG 806.2.3	
Section 15.15	Accessible Guest Rooms and Suites In accessible guestrooms with two beds next to one another, is there a minimum of 36" between the two beds to allow persons who use wheelchairs to transfer onto either bed?	N/A		Department of Justice, ADAABAG 806.2.3	
Section 15.16	Accessible Guest Rooms and Suites Is a 5' diameter or "T" turn maneuvering clearance provided within the accessible guestroom/suite? [See Figure 304.3.2]	N/A		Department of Justice, ADAABAG 806.2.6	
Section 15.17	Accessible Guest Rooms and Suites Are the drapery wands and controls on fixed lamps and HVAC units easily operable with one hand, without tight grasping, pinching or twisting of the wrist, since many persons with disabilities may not have high manual dexterity or use of both hands?	N/A		Department of Justice, ADAABAG	
Section 15.18	Accessible Guest Rooms and Suites-Reach Ranges Are all drapery control wands, fixed lamps and HVAC controls in accessible guestrooms placed a maximum of 44" to the highest operating mechanism if a reach over an obstruction between 20"-25"?	N/A		Department of Justice, ADAABAG 308.2.2	
Section 15.19	Accessible Guest Rooms and Suites-Reach Ranges Are all drapery wands, fixed lamps and HVAC controls in accessible guestrooms placed a maximum of 48" to the highest operating mechanism if the reach is unobstructed or the obstruction is less than	N/A		ADAABAG Section 308.2.1 308.2.2	
Section 15.20	Accessible Guest Rooms and Suites-Closet Rod/Shelf Are the rod and shelf in the clothes closet or wall mounted unit between 40" and 48"?	N/A		Department of Justice, ADAABAG	
Section 15.21	Accessible Guest Rooms and Suites-bathroom Grab Bar Does the toilet in each accessible guestroom bathroom have a horizontal grab bar along the adjacent side wall that is at least 42" long and mounted 33"-36" above the floor for stabilization and assistance.	N/A		Department of Justice, ADAABAG 804.5.1	
Section 15.22	Accessible Guest Rooms and Suites-Bathroom Grab Bar Does the accessible toilet in each accessible guestroom bathroom have a horizontal grab bar along the wall behind the toilet that is at least 36" long and mounted 33"-36" above the floor for stabilization and assistance.	N/A		Department of Justice, ADAABAG 804.5.2	
Section 15.23	Accessible Guest Rooms and Suites-Bathroom-Toilet Is the toilet seat in each accessible toilet room between 17"-19" above the floor?	N/A		Department of Justice, ADAABAG	
Section 15.24	Accessible Guest Rooms and Suites-Lavatory Is the lavatory (wash basin) in each accessible guestroom bathroom no more than 34" high with at least 27" high clearance under the front edge to allow persons who use wheelchairs to pull under	N/A		Department of Justice, ADAABAG	
Section 15.25	Accessible Guest Rooms and Suites-Lavatory Does the lavatory in each accessible guestroom bathroom have drain and hot water pipes that are insulated or otherwise configured to protect against contact?	N/A		Department of Justice, ADAABAG	
Section 15.26	Accessible Guest Rooms and Suites Does the lavatory in each accessible guestroom bathroom have a faucet that is easily operable (i.e. levers, wrist blades, single arm, etc.) and usable with one hand, without tight grasping, pinching, or twisting of the wrist?	N/A		Department of Justice, ADAABAG	
Section 15.27	Accessible Guest Rooms and Suites-Bathroom-Maneuvering Clearances Is there clear floor space in each accessible guestroom bathroom where persons who use wheelchairs can turn around - either a 60" diameter circle or a "T"-turn area as shown in Figure 304.3.2?	N/A		Department of Justice, ADAABAG	
Section 15.28	Accessible Guest Rooms and Suites-Vanity In accessible guestroom bathrooms, is the vanity size and location comparable to non accessible guest rooms?	N/A		ADAABAG Section 806.2.4.1	
Section 15.29	Accessible Guest Rooms and Suites-Maneuvering Clearances Is there adequate room for a person who uses a wheelchair to approach the bathroom door in each accessible guestroom bathroom from the pull side and pull it open without it hitting the wheelchair?	N/A		Department of Justice, ADAABAG 404.2	
Section 15.30	Accessible Guest Rooms and Suites-Bathroom-Maneuvering Clearances Are there towel racks or bars placed between 40" and 48" above the finished floor? Accessible Guest Rooms and Suites Are all of the bathroom floors in the accessible guestrooms slip-resistant so persons who use crutches and walkers do not fall?	N/A		Department of Justice, ADAABAG 803.5	
Section 15.31	Accessible Guest Rooms and Suites Are all of the bathroom floors in the accessible guestrooms slip-resistant so persons who use crutches and walkers do not fall?	N/A		Department of Justice, ADAABAG 302.1	

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Section 15.32	Accessible Guest Rooms and Suites-Bathroom-Tub Are the tub faucet controls positioned between the center of the end wall and the open side of the tub so persons with disabilities may approach and adjust the controls before they transfer onto the tub?	N/A		Department of Justice, ADAABAG 607.5	
Section 15.33	Accessible Guest Rooms and Suites-Bathroom-Tub Can the faucet controls and shower diverter be turned on and off easily and are they operable and usable with one hand, without tight grasping, pinching or twisting of the wrist (i.e.: levers, single arm, etc.)?	N/A		Department of Justice, ADAABAG 309.4	
Section 15.34	Accessible Guest Rooms and Suites-Bathroom-Tub Is there a transfer tub seat (that can be securely attached to the tub) available for persons who may not be able to stand in the tub to bathe?	N/A		Department of Justice, ADAABAG 607.4.2	
Section 15.35	Accessible Guest Rooms and Suites-Bathroom-Tub Is there an adjustable height hand-held shower wand with at least a 50" long hose provided so persons who bathe from a seated position may wash and rinse with the directional spray?	N/A		Department of Justice, ADAABAG 607.6	
Section 15.36	Accessible Guest Rooms and Suites-Bathroom-Tub Is there a horizontal grab bar at the foot of the tub (by the controls) that is at least 24" long for stabilization while a person with a disability adjusts the water controls? [See Figure 607.4.1.2]	N/A		Department of Justice, ADAABAG 607.4.1.2	
Section 15.37	Accessible Guest Rooms and Suites-Bathroom-Tub Is there a horizontal grab bar at the head of the tub that is at least 12" long for stabilization and aid in transfer from a wheelchair to the fixed tub seat? [See Figure 607.4.2.3] (Note: in tubs with built-in	N/A		Department of Justice, ADAABAG 607.4.2.3	
Section 15.38	Accessible Guest Rooms and Suites-Bathroom-Tub Are there two horizontal grab bars (one high/one low) along the side of the tub that are at least 24" long for stabilization and aid in transfer from a wheelchair to the fixed tub seat?	N/A		Department of Justice, ADAABAG 607.4.2.1	
Section 15.39	Accessible Guest Rooms and Suites-Bathroom- Grab Bar Is the gap between the wall and the inside face of each grab bar exactly 1 1/2" to accommodate persons with disabilities who rest their forearms on the bars for stabilization so the arm cannot accidentally	N/A		Department of Justice, ADAABAG 608.3	
Section 15.40	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers If there are more than 50 guestrooms/suites in the facility, are the proper number of accessible rooms with roll-in showers provided per table F224.2. (Note: accessible rooms with roll-in showers must be provided)	N/A		Department of Justice, ADAABAG F224.2	
Section 15.41	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers If there are more than 50 guestrooms/suites, are all required roll-in showers at least 30" wide by 60" long or 36" wide by 60", as configured in Figures 608.2.2 and 608.2.3, so persons who use	N/A		Department of Justice, ADAABAG 608.2.2	
Section 15.42	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Do the roll-in showers have a securely fastened folding seat at 17"-19" above the floor onto which persons who use wheelchairs may transfer to shower?	N/A		Department of Justice, ADAABAG	
Section 15.43	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Are the faucet controls and shower wand positioned on the wall along the side of the shower seat so they are operable from the folding shower seat or from the shower wheelchair?	N/A		Department of Justice, ADAABAG	
Section 15.44	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Is there a horizontal grab bar on the wall alongside the shower seat (but not behind the shower seat) for stabilization and aid in transfer from a wheelchair to the folding shower seat? [See Figures 608.3.2 and 608.3.3]	N/A		Department of Justice, ADAABAG 608.3.2	
Section 15.45	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Is there a horizontal grab bar on the wall opposite the seat for stabilization and aid in maneuvering while in a shower wheelchair? [See Figures 608.3.2 and 608.3.3]	N/A		Department of Justice, ADAABAG 608.3.2	
Section 15.46	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Are the roll-in showers free of doors that would impede wheelchair transfer onto the seat?	N/A		Department of Justice, ADAABAG	
Section 15.47	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Are the roll-in showers free of curbs or lips at the shower floor that would impede wheelchair approach and transfer onto the folding shower seat?	N/A		Department of Justice, ADAABAG	
Section 15.48	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Do roll-in showers have faucet controls that are easily operable with one hand (i.e.: levers, wrist blades, single arm, etc.) without tight grasping, pinching or twisting of the wrist?	N/A		Department of Justice, ADAABAG	
Section 15.49	Accessible Guest Rooms and Suites-Bathroom- Roll-in Showers Is there an adjustable height shower wand with at least a 50" long hose provided for persons who must shower from a seated position?	N/A		Department of Justice, ADAABAG 607.6	
Section 15.50	Accessible Guest Rooms and Suites-Bathroom- Roll-in Shower- Grab Bar Is the gap between the wall and the inside face of each grab bar exactly 1 1/2" to accommodate persons with disabilities who rest their forearms on the bars for stabilization so the arm cannot accidentally	N/A		Department of Justice, ADAABAG 608.3	
Section 15.51	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Do all transfer showers, if provided in accessible guestroom/suite, measure exactly 36" wide by 36" deep as shown in Figure 608.2.1?	N/A		Department of Justice, ADAABAG 608.2.1	
Section 15.52	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Do they have a fixed or folding seat between 17"-19" above the floor, onto which a person who uses a wheelchair may transfer to shower?	N/A		Department of Justice, ADAABAG 610.3	
Section 15.53	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Is there a 36" wide by 48" long clear floor space directly outside the shower for persons who use wheelchairs to approach and use the shower as shown in Figure 608.2.1?	N/A		Department of Justice, ADAABAG 608.2.1	
Section 15.54	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Does the 36" x 48" clear floor space directly outside the shower extend at least 12" past the seat wall of the shower to allow for a seat-to-seat transfer from the wheelchair? (See Figure 608.2.1)	N/A		Department of Justice, ADAABAG 608.2.1	
Section 15.55	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Do all transfer showers have faucet controls that are easily operable with one hand (i.e.: levers, wrist blades, single arm, etc.) without tight grasping, pinching or twisting of the wrist?	N/A		Department of Justice, ADAABAG	
Section 15.56	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Is there a horizontal grab bar on the wall alongside the shower seat (but not behind the shower seat) for stabilization and to aid in transfer from a wheelchair to the folding shower seat as shown in Figure 608.3.1?	N/A		Department of Justice, ADAABAG 608.3.1	
Section 15.57	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Is there a horizontal grab bar on the wall opposite the seat as shown in Figure 608.3.1?	N/A		Department of Justice, ADAABAG 608.3.1	
Section 15.58	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Are the accessible transfer showers free of doors that would impede wheelchair transfer to the seat?	N/A		Department of Justice, ADAABAG	

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Section 15.59	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower In transfer showers in existing buildings, is the threshold no greater than 2" if provision of the 1/2" threshold would disturb structural reinforcement of the floor slab?	N/A		Department of Justice, ADAABAG		
Section 15.60	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Is there an adjustable height shower wand with at least a 59" long hose provided for persons who must shower from a seated position?	N/A		Department of Justice, ADAABAG		
Section 15.61	Accessible Guest Rooms and Suites-Bathroom- Transfer Shower Is the gap between the wall and the inside face of each grab bar exactly 1 1/2" to accommodate persons with disabilities who rest their forearms on the bars for stabilization so the arm cannot accidentally	N/A		Department of Justice, ADAABAG 606.3		
Section 15.62	Accessible Guest Rooms and Suites-Bathroom- Roll-in Shower Are all roll-in showers free of curbs or lips greater than 1/2" at the shower floor that would impede wheelchair approach and transfer onto the folding shower seat?	N/A		Department of Justice, ADAABAG 606.7		
Section 15.63	Accessible Guest Rooms and Suites-Kitchen If a kitchen or kitchenette is provided, does it comply with 804? (Note: use kitchen/kitchenette checklist)	N/A		ADAABAG Section 606.2.5		
Section 15.64	Operating Issues Can persons with disabilities reserve accessible guestrooms/suites in the same ways and on the same terms that other persons can reserve guestrooms/suites?	N/A		Department of Justice, 28 CFR 36.302		
Section 15.65	Operating Issues Do all reservations staff have ready access to information about the lodging facility's accessible guestrooms/suites (including specific information on types and sizes of accessible showers, bathtubs and other features such as, tub seats) for use in	N/A		Department of Justice, 28 CFR 36.302		
Section 15.66	Operating Issues Are accessible guestrooms/suites held for possible use by persons with disabilities until all other rooms in the same price category have been rented?	N/A		Department of Justice, 28 CFR 36.302		
Section 15.67	Operating Issues Are rates for accessible guestrooms/suites the same as rates for guestrooms/suites that are not designated accessible?	N/A		Department of Justice, 28 CFR 36.301(c)		
Section 15.68	Operating Issues Are accessible features inside and outside the lodging facility maintained in good working order?	N/A		Department of Justice, 28 CFR 36.211		
Section 15.69	Operating Issues Are fire-safety information, maximum room rate information, telephone and television information cards, guest services guides, room service menus and all other printed materials provided for use by guests also available in alternate formats so that blind	N/A		Department of Justice, 28 CFR 36.303(b),		
Section 15.70	Operating Issues Are accessible guestrooms arranged so that persons who use wheelchairs, crutches and other mobility aids can approach and use beds, bathrooms, closets, heating, air conditioning and drapery controls, lamps and light switches; telephones; computer	N/A		Department of Justice, 28 CFR 36.304(b)(4)		
Section 15.71	Operating Issues Does the lodging facility allow persons with disabilities to use service animals, without imposing any extra charges or conditions, in guestroom/suites and all public areas of the facility (e.g., restaurants, bar areas, facility grounds, vans/shuttle buses, and other facilities)?	N/A		Department of Justice, 28 CFR 36.302(c)		
Section 15.72	Operating Issues Is there a TTY available at the front desk so that lodging facility personnel can communicate with persons who are deaf or have speech impairments (e.g. taking room service orders, answering requests for assistance, etc.)?	N/A		Department of Justice, 28 CFR 36.303		
Section 15.73	Operating Issues If the lodging facility has televisions in guestrooms/suites, is a close-captioning decoder provided for use by persons who are deaf or hard of hearing or do televisions include built-in captioning features?	N/A		Department of Justice, 28 CFR 36.303(e)		
Section 15.74	Operating Issues Are hotel staff available to move furniture, and provide and adjust accessible features in guestrooms when features require installation or adjustment to ensure accessibility?	N/A		Department of Justice, 28 CFR 36.302(a)		
Section 15.75	Operating Issues Is the hotel staff trained to offer assistance, upon request, to persons with disabilities who cannot transport their luggage to/from their guestrooms/suites and who may need assistance in locating guestrooms and hotel amenities?	N/A		Department of Justice, 28 CFR 36.302(a)		
Section 15.76	Operating Issues If the facility offers transportation services for guests, is accessible transportation readily available for guests who use wheelchairs and other mobility aids without additional charge?	N/A		Department of Justice, 28 CFR 36.310		
Section 15.77	Operating Issues If a portion of the lobby is used for breakfast service, is it approachable and usable by persons with disabilities who cannot climb steps or stairs?	N/A		Department of Justice, 28 CFR 4.3.8		

16. Facilities - Platform Lifts (Wheelchair Lifts)  
This checklist is to be used to evaluate platform lifts to be used by the public (not freight).

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 16.1	Accessible Route Connection Is the platform lift located on an accessible route?	N/A		ADAABAG Section 402			
Section 16.2	Clear Floor Space Is there a minimum clear floor space of 30" x 48" on the platform lift?	N/A		ADAABAG Section 410.3.305			
Section 16.3	Floor Surface Is the floor surface stable, firm and slip resistant?	N/A		ADAABAG Section 410.2.305			
Section 16.4	Change in Level Is the change in level from the accessible route to the platform lift less than 1/4"?	N/A		ADAABAG Section 410.2.303.2			
Section 16.5	Control Height Are the controls for the platform lift located no higher than 48" above the ground?	N/A		ADAABAG Section 410.5.305.306			
Section 16.6	Operation Are the controls for the platform lift operable with one hand and not require tight grasping, pinching or twisting of the wrist?	N/A		ADAABAG Section 309.4			

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Section 16.7	Control - Minimum Force If the force required to operate the platform lift controls 5 lbs or less?	N/A		ADAABAG Section 309.4		
Section 16.8	ASME Rated Is the lift ASME A18.1 (1999 or 2003 edition) safety code rated? (Note: Review tag verification.)	N/A		ADAABAG F208.7		
Section 16.9	Independent Operation Can the platform lift be used with unassisted entrances, operation and exit from the lift?	N/A		ADAABAG Section 410.1		
Section 16.10	Platform to Runway Clearance Is there a maximum 1" gap between the platform sill and the adjacent runway landing?	N/A		ADAABAG Section 410.4		
Section 16.11	Doors and Gates If the platform lift is accessed by a door or gate at the end of the platform, is the door (or doors) 32" minimum clear opening? (See Figure 410.6)	N/A		ADAABAG Section 410.6		
Section 16.12	Doors and Gates If the platform lift is accessed by a door or gate at the side of the platform, is the door 42" minimum clear opening? (See Figure 410.6)	N/A		ADAABAG Section 410.6		
Section 16.13	Doors and Gates If the lift serves more than two landings, are the doors or gates power operated complying with 404.3? (Note: Lifts serving two landings are permitted to have self closing manual door or gates. 410.6)	N/A		ADAABAG Section 404.3 410.6		
Section 16.14	Doors and Gates If power doors or gates are provided, do they remain open for 20 seconds minimum?	N/A		ADAABAG Section 410.8		

17. Facilities - Ramps (Interior, includes handrails)

This checklist is to be used when evaluating interior ramps. Any part of an accessible route with a slope greater than 1:20 shall be considered a ramp and must conform with the following. Note: the least possible slope shall be used when constructing a ramp. The maximum slope is 1:12

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 17.1	Slope - Maximum Is the maximum slope of the ramp 1:12? (Note: In existing facilities steeper slopes may be permitted based on Table 405.2, 6" rise Maximum, Table 405.2)	N/A		ADAABAG Section 405.2			
Section 17.2	Rise - Maximum Is the maximum single rise for the ramp 30"?	N/A		ADAABAG Section 405.6			
Section 17.3	Cross Slope - Maximum Is the cross slope of the ramp no greater than 1:48?	N/A		ADAABAG Section 405.3			
Section 17.4	Surface Is the surface stable, firm and slip-resistant?	N/A		ADAABAG Section 302.1			
Section 17.5	Minimum Width Does the ramp have a minimum clear width of 36"? Note: Inside of handrails.	N/A		ADAABAG Section 405.5			
Section 17.6	Drop-off - Curb If the ramp or landing has a drop-off, is there a curb, wall or railing to prevent people from slipping/rolling off the ramp? (See Figures 405.6.1 and 405.6.2)	N/A		ADAABAG Section 405.6.1, 405.6.2			
Section 17.7	Drop-off - Edge Protection - Curb If the ramp has a drop-off, is a curb barrier provided which prevents the passage of a 4" sphere or as shown in Figure 405.6.2?	N/A		ADAABAG Section 405.6.2			
Section 17.8	Top Landing - Width Is the top landing the same width or wider than the ramp leading to it? (See Figure 405.7)	N/A		ADAABAG Section 405.7.4			
Section 17.8	Top Landing - Length Does the top landing have a minimum length of 60"? (See Figure 405.7)	N/A		ADAABAG Section 405.7.4			
Section 17.10	Top Landing Is a level landing provided at the top of the ramp? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 405.7			
Section 17.11	Top Landing - Landing - Door Level If there is a door at a landing, is there a minimum landing positioned at the door to comply with the maneuvering clearance as required by 404.2.4 and 404.3.2? (See Figures 404.2.4 and 404.3.2)	N/A		ADAABAG Section 405.7.5			
Section 17.12	Direction Change - Landing If the ramp changes direction at a landing, is the landing a minimum 60" x 60"?	N/A		ADAABAG Section 405.7.4			
Section 17.13	Clear Width Is the bottom landing the same width or wider than the ramp leading to it?	N/A		ADAABAG Section 405.7			
Section 17.14	Clear Floor/Ground Space Does the bottom landing have a minimum length of 60"?	N/A		ADAABAG Section 405.7			
Section 17.15	Handrails - Rise If the ramp has a rise greater than 6" are there handrails on both sides? Note: Handrails are not required on curb cuts or adjacent to seating in assembly areas.	N/A		ADAABAG Section 405.8			
Section 17.16	Handrails - Diameter Is the diameter or width of the gripping surface 1-1/4" to 1-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) (See Figures 505.7.1 and 505.7.2)	N/A		ADAABAG Section 505.7.2 505.7.1			
Section 17.17	Handrails - Distance to Wall Is the clear space between handrails and the wall or posts 1-1/2"? (See Figure 505.5)	N/A		ADAABAG Section 505.5			
Section 17.18	Handrails - Surrounding Surfaces Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 505.8			
Section 17.18	Inside Handrail Continuous If the ramp has a switchback or dogleg, is the inside handrail continuous?	N/A		ADAABAG Section 505.3			
Section 17.20	Handrail - Extension If handrails are not continuous, do the handrails extend at least 12" beyond the top and bottom of each ramp segment? (See Figure 505.10.1)	N/A		ADAABAG Section 505.5.10.1			
Section 17.21	Handrail - Gripping Continuous Are the gripping surfaces continuous and uninterrupted by newel posts, other construction elements, or other obstructions?	N/A		ADAABAG Section 505.3			
Section 17.22	Handrails - Height Is the top surface for the handrails mounted between 34" and 38" above the ramp surface?	N/A		ADAABAG Section 505.4			

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Section 17.23	Handrails - Return Are the ends of the handrails rounded or returned smoothly to the floor, wall or post? (Note: If a handrail returns to a handrail post, the bottom edge of the returned handrail shall be 27" or less to the floor.)	N/A		ADAABAG Section 505.10.1		
Section 17.24	Handrails - Secure Are the handrails secure in the fittings? (No rotation)	N/A		ADAABAG Section 505.9		

18. Facilities - Restaurants & Cafeterias (Breakrooms)

This checklist is to be used to evaluate restaurants, cafeterias and vending areas - Including service and non-service venues and associated bars, tables, lunch counters and booths.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 18.1	Tables and Counters- Accessible Route Connection Is there an accessible route to the area where accessible seating and tables are provided?	N/A		ADAABAG Section 402 902			
Section 18.2	Tables/Counters - Height At accessible tables or counters, is the top surface 28" to 34" above the finished floor or ground?	N/A		ADAABAG Section 902.3			
Section 18.3	Tables/Counters - Knee Clearance At accessible tables, are they a minimum of 30" wide, maximum 34" high and provide 25" maximum toe clearance depth with 27" above finished floor clearance? [See Figures 306.2 and 306.3]	N/A		ADAABAG Section 902.2. 306.2			
Section 18.4	Tables/Counters - Clear Floor Space Do the accessible seating spaces have a clear floor or ground space a minimum of 30" x 48"? [See Figures 306.2 and 306.3]	N/A		ADAABAG Section 902.2. 305.3			
Section 18.5	Tables/Counters - Quantity If food tables or counters are provided, are at least 5 %, with a minimum of 1, accessible?	N/A		ADAABAG F226.1			
Section 18.6	Tables and Counters - Distribution If there are smoking and non-smoking sections are the minimum of 5% accessible seating areas distributed?	N/A		ADAABAG F226.1			
Section 18.7	Counters and Bars - Accessible Route Connection Is the accessible section of the counter or bar along an accessible route?	N/A		ADAABAG Section 402			
Section 18.8	Counters and Bars - Forward Approach If food or drink is served for consumption at counters or bars that are higher than 36", is a portion of the counter a minimum of 30" wide and 36" high for a forward approach and provide knee (27" above finished floor) and toe (25" maximum depth) clearances?	N/A		ADAABAG Section 904.4.1			
Section 18.9	Counters and Bars- Parallel Approach If food or drink is served for consumption at counters or bars that are higher than 36", is a section of counter a minimum of 36" wide and 36" high provided with a 30" x 48" parallel approach space? (See Figure 904.4)	N/A		ADAABAG Section 904.4.1			
Section 18.10	Access Aisle - Width Is there an access aisle at least 36" wide (prefer 42" wide) from the entry to the accessible tables or counter?	N/A		ADAABAG Section 402			
Section 18.11	Dining Areas - Levels - New Construction If there are raised, sunken or outdoor seating areas, are all areas accessible (accessible route, ramp, elevator, lift)? Required for new construction only.	N/A		ADAABAG Section 206.2.5			
Section 18.12	Dining Areas - Levels - New Construction If there are seating areas on multiple levels, and these areas are not accessible, is the building a non-elevator building, are the non-accessible areas less than 25% of seat capacity, does the accessible area provide similar service and decor and is the	N/A		ADAABAG Section 206.2.5 Exception			
Section 18.13	Dining Areas - Levels - Existing (Alterations) If there are raised, sunken or outdoor seating areas, are all levels accessible? Note: EXCEPTION 2 of 206.2.5 may apply.	N/A		ADAABAG Section 206.2.5			
Section 18.14	Dining Areas - Levels - Existing (Alterations) If there are seating areas on multiple levels, and these areas are not accessible does the accessible area provide similar service and decor and is the accessible area open to the all individuals? EXCEPTION 1 of 206.2.5 may apply.	N/A		ADAABAG Section 206.2.5			
Section 18.15	Food Service Line - Clear Width Do food service lines have a minimum clear width of 36" (prefer 42")?	N/A		ADAABAG Section 402			
Section 18.16	Food Service Line - Tray Slide Height Are the tray slides a minimum of 28" and a maximum 34" above the floor?	N/A		ADAABAG Section 904.5.2			
Section 18.17	Food Service Line - Shelf Height Are 50% of the self-service food shelves positioned between 15" and 44" if they are obstructed? (Note: Can be as high as 48" for an obstructed side approach based on Figures 306.3.1 and 306.3.2)	N/A		ADAABAG Section 306.2.1. 306.2.2. 227.4			
Section 18.18	Food Service Line - Clear Floor Space If self-service shelves are provided, do at least 50 % of the shelves have a minimum clear floor space of 30" x 48" in front of them? [See Figure 305.3]	N/A		ADAABAG Section 904.5.1. 305.3. 227.4			
Section 18.19	Tableware & Condiment Areas - Accessible Route Connection Is the tableware/condiment area along an accessible route?	N/A		ADAABAG Section 402			
Section 18.20	Tableware and Condiment Areas - Clear Floor Space If self-service shelves and dispensing devices are provided for tableware, dishware, condiments, food and beverages, is there a clear floor space of 30" X 48" to approach? (See Figure 305.3.)	N/A		ADAABAG Section 904.5.1. 305.3			
Section 18.21	Tableware & Condiment Areas - Height Are items on shelves and dispensing units positioned between 15" and 48" if they are unobstructed or between 15" and 44" if they are obstructed? (Can be as high as 48" for an obstructed side approach based on Figures 306.3.1 and 306.3.2). [See Figures 306.3.1 and 306.3.2]	N/A		ADAABAG Section 306.2.1 306.2.2			
Section 18.22	Raised Platforms - For Seating (i.e. Head Table) - Accessible Route If there are areas for banquets or assembly seating where meals are served, is the level accessible by means of a ramp (1:12 max slope, 32" minimum width, rails, surface, landings, etc) or a platform lift (30" X 48")	N/A		ADAABAG Section 402			
Section 18.23	Raised Platforms - For Seating - Edge Protection At the raised area, are there curbs or are the tables arranged to provide safety so one does not fall off?	N/A		NPS Best Practices			
Section 18.24	Vending - Accessible Route Connection Is the vending machine (depository, change machine, etc) along an accessible route?	N/A		ADAABAG Section 402 226.1			

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Section 18.25	Vending - Clear Floor Space Is there a clear floor space of 30" x 48" in front of the vending machine to allow a forward or parallel approach? [See Figure 305.3]	N/A		ADAABAG Sections 305.3, 228.1			
Section 18.26	Vending - Clear Floor Space - Alcove If the clear floor space area is located in an alcove, does it conform with clearances detailed in Figure 305.7.1?	N/A		ADAABAG Sections 228.1, 305.7.1			
Section 18.27	Vending - Reach Range Are the reach ranges to the highest operable part positioned between 15" and 48" for either a side or forward approach? [See Figures 308.2.1 and 308.3.1]	N/A		ADAABAG Sections 308.2.1, 308.3.1			
Section 18.28	Vending - Controls - Operation Are controls and operating mechanisms at the vending machine(s) operable with one hand and do not require tight grasping, pinching, or twisting of the wrist?	N/A		ADAABAG Section 309.4			
Section 18.29	Vending - Controls - Operational Force Is the force required to activate controls at the vending machine(s) no greater than 5 pounds?	N/A		ADAABAG Section 309.4			

**19. Facilities - Signs**

This checklist is to be used to evaluate signaga that designates permanent rooms and spaces and signs that provide direction to or information about functional spaces.

Different requirements exist for the two types of signaga. The Surveyor is to evaluate and distinguish each type of sign. Permanent Room Designation have raised & Braille, finish and contrast, and mounting and location requirements. Signs that provide direction to or information about functional spaces have requirements pertaining to character proportion, character height and finish and contrast.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 19.1	Permanent Room/Space Signage - Latch Side Mounting If there are signs that identify permanent rooms and spaces, are they installed on the wall adjacent to the latch side of the door? (If there is no wall space to the latch side of the door, including at double leaf doors,	N/A		ADAABAG Section 703.2.4			
Section 19.2	Permanent Room/Space Signage - Mounting If there are signs that identify permanent rooms and spaces, do they provide a minimum 18" x 18" clear floor space, centered on the tactile characters beyond the arch of the door swing between the closed and 45 degree position? [See Figure	N/A		ADAABAG Section 703.4.2			
Section 19.3	Permanent Room/Space Signage- Mounting If the sign is mounted on the door, is it located on the push side of a door with a closer and no hold-open device?	N/A		ADAABAG Section 703.4.2 Exception			
Section 19.4	Permanent Room/Space Signage- Mounting If there are double doors with one active leaf, is the sign located on the inactive leaf?	N/A		ADAABAG Section 703.4.2			
Section 19.5	Permanent Room/Space Signage- Mounting If there are double doors with two active leaves, is the sign mounted to the right of the right hand door?	N/A		ADAABAG Section 703.4.2			
Section 19.6	Permanent Room/Space Signage - Mounting Height Are the signs mounted between 48" from the finished floor to the baseline of the lowest tactile character to 60" from the finished floor to the baseline of the highest tactile character?	N/A		ADAABAG Section 703.4.1			
Section 19.7	Permanent Room/Space Signage - Pictogram - Height If the signs that identify permanent rooms and spaces have pictograms, is the pictogram a minimum of 6" high?	N/A		ADAABAG Section 703.8.1			
Section 19.8	Permanent Room/Space Signage - Pictogram - Verbal Description If there are signs with pictograms that identify permanent rooms and spaces, are they accompanied by the equivalent written description?	N/A		ADAABAG Section 703.8.3			
Section 19.9	Permanent Room/Space Signage - Letter/Number Height Are characters on signs identifying permanent rooms and spaces at least 5/8" high, but no higher than 3"? [See Table 703.5.5]	N/A		ADAABAG Section 703.5.5			
Section 19.10	Permanent Room/Space Signage - Raised, Style and Font Are tactile characters raised 1/32", upper case, sans serif or simple serif type? (Note: Does not apply to overhead signs.)	N/A		ADAABAG Section 703.2.3			
Section 19.11	Permanent Room/Space Signage - Braille Component Are characters on signs also in Braille on permanent rooms and spaces? (Note: Does not apply to overhead signs.)	N/A		ADAABAG Section 703.2			
Section 19.12	Permanent Room/Space Signage- Braille Component Is the Braille positioned below the corresponding text?	N/A		ADAABAG Section 703.3.2			
Section 19.13	Permanent Room/Space Signage - Contrasting Colors Do the raised letters, numbers, and pictograms contrast with their background? (Note: Either light characters on a dark background or dark characters on a light background.)	N/A		ADAABAG Section 703.5.1			
Section 19.14	Permanent Room/Space Signage - Finish Texture Are the characters, pictograms, and background of signs eggshell, matte, or other non-glare finish?	N/A		ADAABAG Section 703.5.1 Advisory			
Section 19.15	Directional Signage - Character Height Do signs that provide direction to functional spaces have characters that are 2" minimum in height when viewed 70° above the floor? [See Table 703.5.5]	N/A		ADAABAG Section 703.5.5			
Section 19.16	Directional Signage - Contrasting Colors Do the raised letters, numbers, and pictograms contrast with their background? (Note: Either light characters on a dark background or dark characters on a light background.)	N/A		ADAABAG Section 703.5.1			
Section 19.17	Directional Signage - Finish Texture Are the characters, pictograms, and background of signs eggshell, matte, or other non-glare finish?	N/A		ADAABAG Section 703.5.1 Advisory			
Section 19.18	Suspended/Projected Signage - Mounting Height Are all signs that are suspended or projected above an access route positioned so that the bottom edge is a minimum of 80" above the floor?	N/A		ADAABAG Section 307			
Section 19.19	Other Signs Where international symbols are required (TTY, accessible toilet and bathing rooms, accessible entrances, accessible parking, assistive listening, accessible checkout aisles, etc) does the symbol comply with figures 703.7.2.1, 703.7.2.2 and 703.7.2.4?	N/A		ADAABAG Section F216 703.7.2.1			

**20. Facilities - Stairways (Interior, includes handrails)**

Stairs that connect levels that are not served by an elevator, ramp or other means of vertical access are to be accessible as described in the following questions.

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Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 20.1	Risers - Closed Are the risers of a "closed" design?	N/A		ADAABAG Section 504.3			
Section 20.2	Riser Height Do the stairs have uniform riser heights?	N/A		ADAABAG Section 504.2			
Section 20.3	Riser Slope Are the risers sloped, or is the underside of the nosing angled 30 degrees or more from the horizontal? [See Figure 504.5]	N/A		ADAABAG Section 504.5			
Section 20.4	Tread Depth Are the stair treads a minimum of 11" deep, measured riser to riser?	N/A		ADAABAG Section 504.2			
Section 20.5	Tread Radius Is the radius of curvature at the leading top edge of the tread 1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 504.5			
Section 20.6	Tread - Beveled Nosings Are the undersides of nosings at stair treads beveled? [See Figure 504.5]	N/A		ADAABAG Section 504.5			
Section 20.7	Nosing Projection Do the nosings project 1-1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 504.5			
Section 20.8	Handrails - Two Sides Are there handrails on both sides of all stairs?	N/A		ADAABAG Section 504.6, 505.2			
Section 20.9	Handrails - Continuous Are the handrails continuous along both sides of the stairs?	N/A		ADAABAG Section 505.3			
Section 20.10	Handrails - Gripping Surface Are the gripping surfaces continuous and uninterrupted by newel posts, other construction elements, or other obstructions?	N/A		ADAABAG Section 505.3			
Section 20.11	Handrail - Diameter Is the diameter or width of the gripping surface 1-1/4" to 1-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) [See Figures 505.7.1 and 505.7.2]	N/A		ADAABAG Section 505.7.1, 505.7.2			
Section 20.12	Handrails - Secure Are the handrails secure in the fittings (no rotation)?	N/A		ADAABAG Section 505.8			
Section 20.13	Handrails - Distance to Wall Is the clear space between the handrail and the wall or post 1-1/2"? [See Figure 505.5]	N/A		ADAABAG Section 505.5			
Section 20.14	Handrail - Height Is the top of the handrail gripping surface mounted between 34" to 38" above the stair nosings?	N/A		ADAABAG Section 505.4			
Section 20.15	Handrails - Top Extension Do the handrails extend 12" beyond the top riser? [See Figure 505.10.2]	N/A		ADAABAG Section 505.10.2			
Section 20.16	Handrail - Bottom Extension Do the handrails extend at least 12" plus one tread width beyond the bottom riser? [See Figure 505.10.3]	N/A		ADAABAG Section 505.10.3			
Section 20.17	Handrails - Return Are the ends of the handrails rounded or returned smoothly to the floor, wall or post?	N/A		ADAABAG Section 505.10.3			
Section 20.18	Handrails - Surrounding Surfaces Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 505.8			

21. Facilities - Storage (closets/shelves)

This checklist is to be used to evaluate fixed public use storage facilities such as cabinets, shelves, closets, lockers, hooks, rods and drawers.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 21.1	Public Use Storage Facilities - Quantity Is a minimum of one of each type of storage facility accessible?	Yes		ADAABAG F225.2	Storage is located in the kitchen area		
Section 21.2	Public Use Storage Facilities - Clear Floor Space Is there a clear floor space of at least 30" x 48" at accessible storage facilities that allows either a forward or parallel approach? [See Figure 4]	Yes		ADAABAG Section 811.2, 305	Parallel approach		
Section 21.3	Public Use Storage Facilities - Maximum Height Is the accessible storage space or area a maximum of 44" above the floor if it is obstructed or 48" above the floor if it is unobstructed?	No	Serious	ADAABAG Section 811.3, 308	Employee storage closets, kitchen cabinetry, and shelving are above 48"	Appendix G	
Section 21.4	Public Use Storage Facilities - Hardware Operating Force Is the force required to operate the hardware less than 5 lb?	Yes		ADAABAG Section 811.4, 309			
Section 21.5	Public Use Storage Facilities - Operation Is the door hardware at accessible storage facilities easy to operate with one hand and not require tight grasping, pinching or twisting of the wrist?	No	Serious	ADAABAG Section 811.4, 308	Closets in the kitchen area have handles at 60" above floor finish	Appendix G	
Section 21.6	Public Use Storage Facilities - Lockers If lockers are provided, are a minimum of 5% (no fewer than 1) accessible?	N/A		ADAABAG Section F225.2.1			

22. Facilities - Telephones

This checklist is to be used when evaluating public use telephones - both pay and free. Where coin-operated public pay telephones, coinless public pay telephones, public closed-circuit telephones, or other types of public telephones are provided, accessible public telephones shall be provided for each type of public telephone provided. For purposes of this section, a bank of telephones shall be considered two or more adjacent telephones.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 22.1	Public Telephones - Accessible If one or more telephones are available to the public on a single floor, or on multiple floors, is at least one telephone identified to be accessible on each floor? [See Table F217.2]	N/A		ADAABAG Section F217.2			
Section 22.2	Public Telephones - Text Telephone Provided If there are four or more public pay telephones in a bank, is a TTY provided at the bank? Note: 2007 exception may apply.	N/A		ADAABAG Section F217.4.1			
Section 22.3	TTY - Floor Requirements If there are 1 or more public pay telephones on a floor, is there at least 1 TTY on that floor?	N/A		ADAABAG Section F217.4.2			

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Section 22.4	TTY - Building Requirements If there is a public pay telephone in a public use area of a building, is a TTY in a public use area available?	N/A		ADAABAG Section F217.4.3			
Section 22.5	TTY - Exterior Site Requirements If there are 4 or more exterior public pay telephones, is a TTY provided on the site?	N/A		ADAABAG Section F217.4.4			
Section 22.8	TTY - Rest Stop, Emergency Roadside, Service Plaza If one or more public pay telephones are available, is at least one public TTY provided?	N/A		ADAABAG Section F217.4.5			
Section 22.7	Public Telephones - Accessible Route Connection Are telephones which are required to be accessible by on accessible routes?	N/A		ADAABAG Section 704.2			
Section 22.8	Public Telephones - Clear Floor/Ground Space - Accessible Route Connection Is there a minimum of one unobstructed side of the clear 30" x 48" floor space that overlaps or adjoins an accessible route?	N/A		ADAABAG Section 704.2.1			
Section 22.8	Public Telephones - Clear Floor/Ground - Size Is there a 30" x 48" clear floor space in front of the telephone? (Note: Fixed seats, bases, enclosures, furnishings, etc., in front of or in proximity to the telephone, are not permitted.)	N/A		ADAABAG Section 704.2.1			
Section 22.10	Public Telephones - Forward Approach If a forward approach is available, is the shelf a maximum of 20" from the front edge of the counter to the face of the phone? [See Figure 704.2.1.2]	N/A		ADAABAG Section 704.2.1.2			
Section 22.11	Public Telephones - Parallel Approach If a parallel approach is available, is the shelf a maximum of 10" from the front edge of the counter to the face of the phone? [See Figure 704.2.1.1]	N/A		ADAABAG Section 704.2.1.1			
Section 22.12	Public Telephones - Forward - Maximum Height Is the highest operable part of the telephones 48"?	N/A		ADAABAG Section 704.2.2, 309			
Section 22.13	Public Telephones - Cord Length Is the cord from the telephone to the handset a minimum of 29"?	N/A		ADAABAG Section 704.2.4			
Section 22.14	Public Telephones - Push Button Controls Do telephones identified as accessible have push button controls?	N/A		ADAABAG Section 704.2.2			
Section 22.15	Public Telephones - Volume Control Do telephones identified as accessible have a volume control?	N/A		ADAABAG Section 704.3			
Section 22.18	Public Telephones - Wall Mounting If the telephones or enclosure protrudes from the wall more than 4", are the protrusions lower than 27"? [See Figure 307.2]	N/A		ADAABAG Section 307			
Section 22.17	Public Telephones - Post/Pylon Mounting If the telephone is mounted between 27" to 80" above the ground or finished floor on a post or pylon, does it protrude a maximum of 12"? [See Figure 307.3]	N/A		ADAABAG Section 307.3			
Section 22.18	Phone Banks - Accessible Shelf - Outlet If there are three or more interior public pay telephones in a bank, is at least one equipped with an accessible shelf and electric outlet? (Note: Not required if TTY provided at the bank.)	N/A		ADAABAG Section F217.5			
Section 22.19	Text Telephone - International TDD/TTY Symbol of Accessibility Are text telephones identified by the International TDD/TTY symbol?	N/A		ADAABAG Section F216.8.1			
Section 22.20	Public Telephones - Non-TDD/TTY - Directional Signage If there is a public TDD/TTY, is there directional signage indicating the location of the TDD/TTY? (Note: Signage shall be at telephone banks and on building directories.)	N/A		ADAABAG Section F216.9.1			
Section 22.21	Telephone Books - Location If there are telephone books, are they located above the floor a maximum 48"?	N/A		ADAABAG Section 704.2.3, 309			

**23. Facilities - Toilet Rooms (Multi-fixture, multi-user, stalls)**  
Use this checklist to evaluate Men's and Women's Toilet Rooms that include a Sink, Toilet and/or urinal with multiple stall partitions. This checklist includes questions for the following elements: location, signage, doorway, toilet stall issues, water closet (toilet), grab bars, urinals, lavatory/sink, mirror, and towel/dryer. If the room includes a shower or tub, use Checklist #13 also.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 23.1	Location Is the toilet room along an accessible route?	N/A		ADAABAG Section 402			
Section 23.2	Signage Does the toilet room display the international symbol of accessibility adjacent to the entry door? Note: complete checklist code 1025 for signage.	N/A		ADAABAG Section F218.2			
Section 23.3	Signage Does the toilet room display directional signage adjacent to the entry door? Note: Complete checklist code 1025 for signage.	N/A		ADAABAG Section 218.3			
Section 23.4	Doorway Is the entry door a minimum 32" clear opening? [See Figure 404.2.3]	N/A		ADAABAG Section 404.2.3			
Section 23.5	Doorway Is the entry door hardware easily operable with a closed fist?	N/A		ADAABAG Section 309.4			
Section 23.6	Doorway Do proper door approaches exist as noted in Figures 404.2.4 (a-k)?	N/A		ADAABAG Section 404.2.4			
Section 23.7	Doorway Is the door easy to open with 5 pounds of maximum force?	N/A		ADAABAG Section 309.4			
Section 23.8	Toilet Stall - Aisle Clearance Is there a 36" wide aisle leading to the accessible stall? [See Figure 403.5.2]	N/A		ADAABAG Section 403.5.2			
Section 23.9	Ambulatory Accessible Toilet Stall - Minimum Provided If the room contains more than 6 fixtures (toilets and urinals), is an ambulatory accessible stall provided? [See Figure 604.8.2]	N/A		ADAABAG Section 304.8.2			
Section 23.10	5' Accessible Toilet Stall - Minimum Provided Is a minimum of one standard accessible stall provided (5' wide X 5' deep)? [See Figure 604.8.1.1]	N/A		ADAABAG Section 604.8.1.1			
Section 23.11	5' Accessible Toilet Stall - Minimum Size If it is a wall mounted water closet, is a standard accessible stall provided that is a minimum 60" wide and a minimum 56" deep? [See Figure 404.2.3]	N/A		ADAABAG Section 604.8.1.1			

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Section 23.12	5' Accessible Toilet Stall - Stall Doors - Clear Opening Does the stall door have a minimum clear opening of 32" when the door is open 90 degrees? (Measured between the face of the door and the opposite stop.) [See Figure 404.2.3]	N/A		ADAABAG Section 404.2.3, 604.8.1.2	
Section 23.13	5' Accessible Toilet Stall - Door - Maneuvering Clearance Does the accessible stall door provide minimum maneuvering clearances as shown in [See Figures 404.2.4.1]?	N/A		ADAABAG Section 404.2.4.1	
Section 23.14	5' Accessible Stall-Door- Maneuvering Clearance If the approach to the stall door is from the latch side, is the clearance a minimum of 42"? [See Figure 604.8.1.2]	N/A		ADAABAG Section 604.8.1.2	
Section 23.15	5' Accessible Toilet Stall - In-Swing Door - Stall Size Does the door of the accessible stall swing out of the stall? If no, has an additional 36" of clear floor space been added to the 56" or 59" stall size requirement?	N/A		ADAABAG Section 604.8.1.1	
Section 23.16	5' Accessible Stall- Door Is the stall door self closing?	N/A		ADAABAG Section 604.8.1.2	
Section 23.17	5' Accessible Stall- Stall Door Hardware Are stall door pulls provided on both sides of the accessible stall door?	N/A		ADAABAG Section 604.8.1.2 404.2.7	
Section 23.18	5' Accessible Toilet Stall - Stall Door Hardware Do handles, pulls, latches or other operating devices on accessible stall doors have a shape that is easy to grasp with one hand and not require tight grasping, tight pinching or twisting of the wrist to operate?	N/A		ADAABAG Section 308.4	
Section 23.19	5' Accessible Stall- Coat Hook - Height If there is a coat hook, is it positioned at a maximum height of 48"?	N/A		ADAABAG Section 308.3, 603.4	
Section 23.20	5' Accessible Stall- Water Closets - Clear Floor Space Does the clear floor space comply with Figure 604.8.1.1? (Note: the clear floor space may be arranged to allow either a left or right approach.)	N/A		ADAABAG Section 604.8.1.1	
Section 23.21	5' Accessible Stall- Water Closets - Distance - Closest Wall Is the center of the water closet (toilet) 16"-18" from the closest wall? [See Figure 604.2]	N/A		ADAABAG Section 604.2	
Section 23.22	5' Accessible Stall- Water Closets - Seat - Height Is the height of the accessible water closet (toilet) 17" to 19" when measured from the floor to the top of the toilet seat?	N/A		ADAABAG Section 604.4	
Section 23.23	5' Accessible Stall- Water Closet- Flush Control In the accessible stall, is the flush control hand operated or automatic?	N/A		ADAABAG Section 604.8	
Section 23.24	5' Accessible Stall- Water Closet- Flush Control If the flush is hand control, is it located on the open side of the water closet?	N/A		ADAABAG Section 604.8	
Section 23.25	5' Accessible Stall- Toilet Paper Dispenser - Location Is the toilet paper dispenser mounted between 7"-9" to the center line of the dispenser from the front of the water closet (toilet)? [See Figure 604.7]	N/A		ADAABAG Section 604.7	
Section 23.26	5' Accessible Stall- Water Closets - Toilet Paper Dispenser - Height Is the toilet paper dispenser mounted a minimum of 15" or maximum of 48" above the finished floor to the outlet? [See Figure 604.7] (Note: access to toilet paper can not be obstructed by grab bars.)	N/A		ADAABAG Section 604.7	
Section 23.27	5' Accessible Stall- Water Closets - Toilet Paper Dispensers - Flow Does the toilet paper dispenser allow continuous flow of paper (no controlled delivery)?	N/A		ADAABAG Section 604.7	
Section 23.28	5' Accessible Stall- Grab Bars - Height - 33" - 36" Are the grab bars located between 33" and 36" from the floor surface or ground surface?	N/A		ADAABAG Section 609.4	
Section 23.29	5' Accessible Stall- Grab Bars - Diameter - 1-1/4" - 1-1/2" Is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [See Figure 609.2.2]	N/A		ADAABAG Section 609.2.1, 609.2.2	
Section 23.30	5' Accessible Stall- Grab Bars - Distance - From Wall Is the clear space between all grab bars and walls 1-1/2"?	N/A		ADAABAG Section 609.3	
Section 23.31	5' Accessible Stall- Grab Bars - Load Support - 250 lbs. Can the grab bars support a weight of 250 lbs?	N/A		ADAABAG Section 609.8	
Section 23.32	5' Accessible Stall- Grab Bars - Rear Wall Grab Bar - Distance from Corner Is the rear grab bar positioned a minimum of 12" to the centerline of the toilet on one side and a minimum of 24" to the other side? [See Figure 604.5.2]	N/A		ADAABAG Section 604.5.2	
Section 23.33	5' Accessible Stall- Grab Bars - Rear Wall Grab Bar - Length Is the length of the rear grab bar a minimum of 36"? [See Figure 604.5.2]	N/A		ADAABAG Section 604.5.2	
Section 23.34	5' Accessible Stall- Grab Bars - Side Wall Grab Bar - Distance from Corner Does the grab bar on the side wall begin 12" or less from the corner of the wall? [See Figure 604.5.1]	N/A		ADAABAG Section 604.5.1	
Section 23.35	5' Accessible Stall- Grab Bars - Side Wall Grab Bar - Length Is the length of the grab bar on the side wall next to the water closet (toilet) a minimum of 42"? [See Figure 604.5.1]	N/A		ADAABAG Section 604.5.1	
Section 23.36	5' Accessible Stall- Grab Bars - Secure - Non-Rotating Are grab bars secure in their fittings (no rotation)?	N/A		ADAABAG Section 609.6	
Section 23.37	Ambulatory Accessible Stall- Minimum Size Is an ambulatory accessible toilet stall provided that is a minimum of 60" deep and between 35" and 37" wide? [See Figure 604.8.2]	N/A		ADAABAG Section 604.8.2	
Section 23.38	Ambulatory Accessible Stall- Stall Doors- Clear Opening Does the stall door have a minimum clear opening of 32" when the door is open 90 degrees? (Note: Measure between the face of the door and the opposite stop.) [See Figure 404.2.3]	N/A		ADAABAG Section 604.8.2.2	
Section 23.39	Ambulatory Accessible Stall- Door- Maneuvering Clearance If the approach to the stall door is from the latch side, is the clearance a minimum of 42"? [See Figure 604.8.1.2]	N/A		ADAABAG Section 604.8.2	
Section 23.40	Ambulatory Accessible Stall- Door Is the stall door self closing?	N/A		ADAABAG Section 604.8.2.2	
Section 23.41	Ambulatory Accessible Stall- Door Does the ambulatory accessible stall door swing out of the stall? If no, has an additional 36" of clear floor space been added to the 60" stall depth requirement?	N/A		ADAABAG Section 604.8.2.2	

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Section 23.42	<b>Ambulatory Accessible Stall- Stall Door Hardware</b> Are stall door pulls provided on both sides of the accessible stall door?	N/A		ADAABAG Section 604.8.2.2 404.2.7	
Section 23.43	<b>Ambulatory Accessible Stall- Stall Door Hardware</b> Do handles, pulls, latches or other operating devices on accessible stall doors have a shape that is easy to grasp with one hand and not require tight grasping, tight pinching or twisting of the wrist to operate?	N/A		ADAABAG Section 309.4	
Section 23.44	<b>Ambulatory Accessible Stall- Coat Hook- Height</b> If there is a coat hook, is it positioned at a maximum height of 48"?	N/A		ADAABAG Section 604.6.3 308.3	
Section 23.45	<b>Ambulatory Accessible Stall- Water Closets- Distance- Closest Wall</b> Is the center of the water closet (toilet) 17" minimum to 19" maximum from the closest wall? [See Figure 604.2]	N/A		ADAABAG Section 604.2	
Section 23.46	<b>Ambulatory Accessible Stall- Water Closets- Seat- Height</b> Is the height of the accessible water closet (toilet) 17" to 19" when measured from the floor to the top of the toilet seat?	N/A		ADAABAG Section 604.4	
Section 23.47	<b>Ambulatory Accessible Stall- Toilet Paper Dispenser- Location</b> Is the toilet paper dispenser mounted between 7" and 9" to the center line of the dispenser from the front of the water closet (toilet)? [See Figure 604.7]	N/A		ADAABAG Section 604.7	
Section 23.48	<b>Ambulatory Accessible Stall- Toilet Paper Dispenser- Location</b> Is the toilet paper dispenser mounted a minimum of 15" or a maximum of 48" above the floor to the outlet? [See Figure 604.7]	N/A		ADAABAG Section 604.7	
Section 23.48	<b>Ambulatory Accessible Stall- Toilet Paper Dispenser- Flow</b> Does the toilet paper dispenser allow continuous flow of paper (no controlled delivery)?	N/A		ADAABAG Section 604.7	
Section 23.50	<b>Ambulatory Accessible Stall- Grab Bars- Height</b> Are the grab bars located between 33" and 36" from the floor or ground surface?	N/A		ADAABAG Section 609.4	
Section 23.51	<b>Ambulatory Accessible Stall- Grab Bars- Diameter- 1 1/4" - 1 1/2"</b> Is the diameter or width of the grab bar gripping surface 1 1/4" to 1 1/2"? [See Figure 609.2.2]	N/A		ADAABAG Section 609.2.1 609.2.2	
Section 23.52	<b>Ambulatory Accessible Stall- Grab Bars- Distance from Wall</b> Is the clear space between all grab bars and walls 1 1/2"?	N/A		ADAABAG Section 609.3	
Section 23.53	<b>Ambulatory Accessible Stall- Grab Bars- Load Support</b> Can the grab bars support a weight of 250 lbs?	N/A		ADAABAG Section 609.8	
Section 23.54	<b>Ambulatory Accessible Stall- Grab Bars</b> Are grab bars provided on both sides of the ambulatory accessible stall?	N/A		ADAABAG Section 604.8.2.3	
Section 23.55	<b>Ambulatory Accessible Stall- Grab Bars- Side Wall- Length</b> Is the length of the grab bars on the side wall next to the water closet (toilet) a minimum of 42"? [See Figure 604.5.1]	N/A		ADAABAG Section 604.8.2.3	
Section 23.56	<b>Ambulatory Accessible Stall- Grab Bars- Secure- Non-Rotation</b> Are grab bars secure in their fittings (no rotation)?	N/A		ADAABAG Section 609.8	
Section 23.57	<b>Urinal - Scoping - Quantity</b> If urinals are provided, is a minimum of one accessible?	N/A		ADAABAG Section F213.3.3	
Section 23.58	<b>Urinal - Rim - Height</b> Is the rim of the urinal a maximum of 17" above the floor? [See Figure 605.2]	N/A		ADAABAG Section 605.2	
Section 23.58	<b>Urinal - Depth</b> Is the urinal a minimum of 13 1/2" deep? [See Figure 605.2]	N/A		ADAABAG Section 605.2	
Section 23.60	<b>Urinal - Clear Floor Space - Minimum</b> Is there a minimum clear floor space of 30" x 48" in front of the accessible urinal?	N/A		ADAABAG Section 605.3	
Section 23.61	<b>Urinal - Flush Control - Operation</b> Is the flush control either hand operated or automatic?	N/A		ADAABAG 605.4	
Section 23.62	<b>Urinal - Flush Control - Height</b> Is the flush control mounted no higher than 44" above the floor?	N/A		ADAABAG 605.4	
Section 23.63	<b>Lavatory/Sink</b> If there is a lavatory/sink, is at least one accessible?	N/A		ADAABAG Section F213.3.4	
Section 23.64	<b>Lavatory/Sink - Rim Height</b> Is the accessible lavatory/sink mounted with the rim or counter surface no higher than 34" above the finished floor?	N/A		ADAABAG Section 606.3	
Section 23.65	<b>Lavatory/Sink - Knee Clearance</b> Is there a clearance of at least 27" from the floor to the bottom of the apron or countertop at the accessible lavatory/sink?	N/A		ADAABAG Section 606, 306.3.1	
Section 23.66	<b>Lavatory/Sink -Knee/Toe Clearance</b> Do knee and toe clearances comply with Figure 306.3?	N/A		ADAABAG Section 606, 306.3	
Section 23.67	<b>Lavatory/Sink - Clear Floor Space</b> Is there a minimum clear floor space of 30" x 48" at the lavatory/sink? (See Figure 306)	N/A		ADAABAG Section 606.2, 306	
Section 23.68	<b>Lavatory/Sink - Clear Floor Space - Maximum Extension</b> Does the 30" x 48" clear floor space extend a maximum of 25" underneath the lavatory/sink? [See Figure 306.3]	N/A		ADAABAG Section 606.2, 306.3.2	
Section 23.68	<b>Lavatory/Sink - Exposed Surfaces</b> Are the hot water and drain pipes under the accessible lavatory/sink insulated, covered or so configured to protect against contact?	N/A		ADAABAG Section 606.5	
Section 23.70	<b>Lavatory/Sink - Faucet - Control - Operation</b> Is the faucet at the accessible sink easy to operate with one hand and not require tight grasping, pinching or twisting of the wrist?	N/A		ADAABAG Section 606.4, 309	
Section 23.71	<b>Lavatory/Sink - Faucet - Control - Force</b> Does the faucet at the accessible sink require less than 5 pounds to operate?	N/A		ADAABAG Section 606.4, 309	
Section 23.72	<b>Lavatory/Sink - Faucet - Self Closing Valve Delay</b> If there is a self-closing valve at the accessible sink, does the faucet remain open for at least 10 seconds?	N/A		ADAABAG Section 606.4	
Section 23.73	<b>Mirror - Bottom Edge</b> If the mirror is located above the lavatory, is the bottom edge of the reflective surface a maximum of 40" above the floor?	N/A		ADAABAG Section F213.3.5, 603.3	

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Section 23.74	Mirror- Bottom Edge If the mirror is not located above the lavatory or countertop, is the bottom edge of the reflective surface a maximum of 35" above the floor?	N/A		ADAABAG Section F213.3.5 603.3			
Section 23.75	Lavatory/Sink - Soap Dispenser - Location If there is a soap dispenser which requires a forward reach over an obstruction between 20" and 25" (i.e. sink or counter) is the height of the operating mechanism a maximum of 44" above the finished floor? [See Figure 308.2.2]	N/A		ADAABAG Section 308.2.2			
Section 23.76	Soap Dispenser- Location If there is a soap dispenser which is unobstructed or requires no more than a 20" maximum reach over an obstruction, is the height of the operating mechanism a maximum of 48" above the finished floor? Figures 308.2.1 and 308.2.2	N/A		ADAABAG Section 308.2.1 308.2.2			
Section 23.77	Lavatory/Sink - Soap Dispenser - Controls - One Handed Operation Are controls and operating mechanisms operable with one hand without requiring tight grasping, pinching, or twisting of the wrist?	N/A		ADAABAG Section 308.4			
Section 23.78	Lavatory/Sink - Soap Dispenser - Controls - Operating Force Is the force required to activate controls no greater than 5 pounds?	N/A		ADAABAG Section 308.4			
Section 23.79	Towel Dispenser/Hand Dryer - Location If there is a towel dispenser/hand dryer which requires a forward reach over an obstruction between 20" and 25" (i.e. sink or counter) is the height of the operating mechanism a maximum of 44" above the finished floor? [See Figure 308.2.2]	N/A		ADAABAG Section 308.2.2			
Section 23.80	Towel Dispenser/Hand Dryer - Location If there is a towel dispenser/hand dryer which is unobstructed or requires no more than a 20" maximum reach over an obstruction, is the height of the operating mechanism a maximum of 48" above the finished floor? [See Figures 308.2.1 and 308.2.2]	N/A		ADAABAG Section 308.2.1, 308.2.2			
Section 23.81	Towel Dispenser/Hand Dryer - Controls Are controls and operating mechanisms operable with one hand without requiring tight grasping, pinching, or twisting of the wrist?	N/A		ADAABAG Section 308.4			
Section 23.82	Towel Dispenser/Hand Dryer - Operational Force Is the force required to activate controls at the accessible towel dispenser/hand dryer no greater than 5 lb?	N/A		ADAABAG Section 308.4			

#### 24. Facilities - Toilet Rooms (Single Use/One Room)

This checklist is to be used when surveying toilet rooms with privacy locks on entry doors intended for single use (1 toilet, 1 sink, 1 urinal [optional]). This checklist includes questions for the following elements: location, signage, doorway, water closet (toilet), grab bars, urinals, lavatory/sink, mirror, and towel/dryer. If the room includes a shower or tub, use Checklist #13 also.

Section #	Survey Question	Response	Priority	Source	Comments	Appendix Where Deficiency Recorded	Deficiency Number
Section 24.1	Location Is the toilet room along an accessible route?	Yes		ADAABAG Section 402			
Section 24.2	Signage Does the toilet room display the international symbol of accessibility adjacent to the entry door? Note: complete checklist code 1025 for signage.	No	Minor	ADAABAG Section 209.2	The toilet room does not have signage displaying the international symbol of accessibility	Appendix C	61421-C1020-1-LMAC
Section 24.3	Signage Does the toilet room display directional signage adjacent to the entry door? Note: Complete checklist code 1025 for signage	No	Minor	ADAABAG Section 218.3	The toilet room does not have directional signage	Appendix C	61421-C1020-1-LMAC
Section 24.4	Doorway Is the entry door a minimum 32" clear opening? [See Figure 404.2.3]	Yes		ADAABAG Section 404.2.3			
Section 24.5	Doorway Do proper door approaches exist as noted in Figure 404.2.4.1 (e-k)?	Yes		ADAABAG Section 404.2.4.1			
Section 24.6	Doorway Is the entry door hardware easily operable with a closed fist?	Yes		ADAABAG Section 308.4			
Section 24.7	Doorway Is the door easy to open with 5 pounds of maximum force?	Yes		ADAABAG Section 308.4			
Section 24.8	Water Closets - Clear Floor Space If the water closet (toilet) is not located in a partitioned stall, does the clear floor space comply with Figure 304.2.2?	No	Serious	ADAABAG Section 603.2.1, 304	48" clear space provided	Appendix G	
Section 24.9	Water Closets - Distance - Closet Wall Is the center of the water closet (toilet) 15"-18" from the closet wall? [See Figure 604.2]	Yes		ADAABAG Section 604.2			
Section 24.10	Water Closets - Seat - Height Is the height of the accessible water closet (toilet) 17" to 19" when measured from the floor to the top of the toilet seat?	No	Serious	ADAABAG Section 604.4	Toilet is 16" above finished floor	Appendix C	61421-D2010-3-LMAC
Section 24.11	Water Closet- Flush Control In the accessible stall, is the flush control hand operated or automatic?	Yes		ADAABAG Section 604.6	Flush control		
Section 24.12	Water Closet- Flush Control If the flush is hand control, is it located on the open side of the water closet?	No	Serious	ADAABAG Section 604.6	Flush control is located on the wall side	Appendix C	61421-D2010-3-LMAC
Section 24.13	Toilet Paper Dispenser - Location Is the toilet paper dispenser mounted between 7" and 9" to the centerline of the dispenser from the front of the water closet (toilet)? [See Figure 604.7]	Yes		ADAABAG Section 604.7			
Section 24.14	Water Closets - Toilet Paper Dispenser - Height Is the toilet paper dispenser mounted a minimum of 19" or maximum of 48" above the finished floor to the outlet? [See Figure 604.7.] (Note: access to toilet paper can not be obstructed by grab bars.)	Yes		ADAABAG Section 604.7			
Section 24.15	Water Closets - Toilet Paper Dispenser - Paper Flow Does the toilet paper dispenser allow continual flow of paper (no controlled delivery)?	Yes		ADAABAG Section 604.7			
Section 24.16	Grab Bars - Height - 33" - 36" Are the grab bars located between 33" and 36" from the floor surface or ground surface?	Yes		ADAABAG Section 608.4			
Section 24.17	Grab Bars - Diameter - 1-1/4" - 1-1/2" Is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [See Figure 608.2.2]	Yes		ADAABAG Section 608.2.1, 608.2.2			
Section 24.18	Grab Bars - Distance - From Wall Is the clear space between all grab bars and walls 1-1/2"?	Yes		ADAABAG Section 608.3			
Section 24.19	Grab Bars - Load Support - 250 lbs. Can the grab bars support a weight of 250 lbs?	Yes		ADAABAG Section 608.6			

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Section 24.20	Grab Bars - Rear Wall Grab Bar Is the rear grab bar positioned a minimum of 12" to the centerline of the toilet on one side and a minimum of 24" to the other side? [See Figure 604.5.2]	Yes		ADAABAG Section 604.5.2			
Section 24.21	Grab Bars - Rear wall Grab Bar - Length Is the length of the grab bar behind the water closet (toilet) a minimum of 36"? [See Figure 604.5.2]	Yes		ADAABAG Section 604.5.2			
Section 24.22	Grab Bars - Sidewall Grab Bar - Distance from Corner Does the grab bar on the side wall begin 12" or less from the corner of the wall? [See Figure 604.5.1]	Yes		ADAABAG Section 604.5.1			
Section 24.23	Grab Bars - Sidewall Grab Bar - Length Is the length of the grab bar on the side wall next to the water closet (toilet) a minimum of 42"?	Yes		ADAABAG Section 604.5.1			
Section 24.24	Grab Bars - Secure - Non-Rotating Are grab bars secure in their fittings (no rotation)?	Yes		ADAABAG Section 609.6			
Section 24.25	Urinal - Quantity If urinals are provided, is a minimum of one accessible? Use the issues below to determine if it is accessible.	N/A		ADAABAG Section F213.3.3			
Section 24.26	Urinal - Rim - Height Is the rim of the urinal a maximum of 17" above the floor?	N/A		ADAABAG Section 605.2			
Section 24.27	Urinal- Depth Is the urinal a minimum of 13 1/4" deep? Figure 605.2	N/A		ADAABAG Section 605.2			
Section 24.29	Urinal - Clear Floor Space - Minimum Is there a minimum clear floor space of 30" x 48" in front of the accessible urinal?	N/A		ADAABAG Section 605.3			
Section 24.29	Urinal - Flush Control - Operation Is the flush control either hand operated or automatic?	N/A		ADAABAG Section 605.4			
Section 24.30	Urinal - Flush Control - Height Is the flush control mounted no higher than 44" above the floor?	N/A		ADAABAG Section 605.4			
Section 24.31	Lavatory/Sink - Quantity If there is a lavatory/sink, is at least one accessible?	Yes		ADAABAG Section F213.3.4			
Section 24.32	Lavatory/Sink - Rim Height Is the accessible lavatory/sink mounted with the rim or counter surface no higher than 34" above the finished floor?	Yes		ADAABAG Section 606.3			
Section 24.33	Lavatory/Sink -Knee/Toe Clearance Do knee and toe clearances comply with Figure 306.3?	Yes		ADAABAG Section 606.3			
Section 24.34	Lavatory/Sink - Knee Clearance Is there a clearance of at least 27" from the floor to the bottom of the apron or countertop at the accessible lavatory/sink?	Yes		ADAABAG Section 606.3			
Section 24.35	Lavatory/Sink - Clear Floor Space Is there a minimum clear floor space of 30" x 48" at the lavatory/sink? [See Figure 306]	Yes		ADAABAG Section 606.2, 306.3			
Section 24.36	Lavatory/Sink - Clear Floor Space - Maximum Extension Does the 30" x 48" clear floor space extend a maximum of 25" underneath the lavatory/sink?	Yes		ADAABAG Section 606.2, 306.3.2			
Section 24.37	Lavatory/Sink - Exposed Surfaces Are the hot water and drain pipes under the accessible lavatory/sink insulated, covered or configured to protect against contact?	No	Barriers	ADAABAG Section 606.5	Drain pipes are not covered to protect against contact	Appendix C	61421-02010-2-LMAC
Section 24.38	Lavatory/Sink - Faucet - Control - Operation Is the faucet at the accessible sink easy to operate with one hand and not require tight grasping, pinching or twisting of the wrist?	Yes		ADAABAG Section 606.4, 309			
Section 24.39	Lavatory/Sink - Faucet - Control - Force Does the faucet at the accessible sink require less than 5 pounds to operate?	Yes		ADAABAG Section 606.4, 309			
Section 24.40	Lavatory/Sink - Faucet - Self Closing Valve Delay If there is a self-closing valve at the accessible sink, does the faucet remain open for at least 10 seconds?	N/A		ADAABAG Section 606.4			
Section 24.41	Mirror - Bottom Edge If the mirror is located above the lavatory, is the bottom edge of the reflective surface a maximum of 40" above the finished floor?	Yes		ADAABAG Section F213.3.5, 603.3			
Section 24.42	Mirror- Bottom Edge If the mirror is not located above the lavatory or countertop, is the bottom edge of the reflective surface a maximum of 35" above the floor?	N/A		ADAABAG Section F213.3.5 603.3			
Section 24.43	Soap Dispenser - Location If there is a soap dispenser which requires a forward reach over an obstruction between 20" and 25" (i.e. sink or counter) is the height of the operating mechanism a maximum of 44" above the finished floor? [See Figure 306.2.2]	N/A		ADAABAG Section 306.2.2			
Section 24.44	Soap Dispenser- Location If there is a soap dispenser which is unobstructed or requires no more than a 20" maximum reach over an obstruction, is the height of the operating mechanism a maximum of 48" above the finished floor? [See Figures 306.2.1 and 306.2.2]	Yes		ADAABAG Section 306.2.1 306.2.2			
Section 24.45	Lavatory/Sink - Soap Dispenser - Controls - One-Handed Operation Are controls and operating mechanisms operable with one hand without requiring tight grasping, pinching, or twisting of the wrists?	Yes		ADAABAG Section 309.4			
Section 24.46	Lavatory/Sink - Soap Dispenser - Controls - Operating Force Is the force required to activate controls no greater than 5 pounds?	Yes		ADAABAG Section 309.4			
Section 24.47	Towel Dispenser/Hand Dryer - Location If there is a towel dispenser/hand dryer which requires a forward reach over an obstruction between 20" and 25" (i.e. sink or counter) is the height of the operating mechanism a maximum of 44" above the finished floor? [See Figure 306.2.2]	N/A		ADAABAG Section 306.2.2			
Section 24.48	Towel Dispenser/Hand Dryer - Approach If there is a towel dispenser/hand dryer which is unobstructed or requires no more than a 20" maximum reach over an obstruction, is the height of the operating mechanism a maximum of 48" above the finished floor? [See Figures 306.2.1 and 306.2.2.]	Yes		ADAABAG Section 306.2.1, 306.2.2			
Section 24.49	Towel Dispenser/Hand Dryer - Controls Are controls and operating mechanisms operable with one hand without requiring tight grasping, pinching, or twisting of the wrists?	Yes		ADAABAG Section 309.4			
Section 24.50	Towel Dispenser/Hand Dryer - Operational Force Is the force required to activate controls at the accessible towel dispenser/hand dryer no greater than 5 lb?	Yes		ADAABAG Section 309.4			

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Total Responses: 28  
 Total Yes: 19  
 Total No: 9

**1. Outdoor Activities - Amphitheater (Outdoor Assembly)**

This checklist shall be used to evaluate amphitheaters and outdoor assembly areas in the outdoor recreation environment.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
1.1	Assembly Area - Fixed Seats If the assembly area has fixed seating, do the number of accessible seats comply with Table F221.2.1.1?	N/A		ADAABAG Section F221.2.1.1		
1.2	Assembly Area - Multiple Wheelchair Viewing Positions If the seating capacity exceeds 300, are wheelchair viewing positions provided in more than 1 location?	N/A		NPS Best Practices		
1.3	Assembly Area - Dispersed Accessible Seating If this area has a surface slope less than 5%, are the wheelchair viewing positions dispersed and integrated providing a choice?	N/A		ADAABAG Section 802.4.1		
1.4	Assembly Area - Wheelchair Viewing Positions - Sight Lines Are the sight lines at the wheelchair seating locations comparable for wheelchair users and non-wheelchair users?	N/A		ADAABAG Section F221.2.3.		
1.5	Assembly Area - Wheelchair Viewing Positions - Level Are wheelchair viewing positions located on a level surface? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 802.1.1		
1.6	Assembly Area - Wheelchair Viewing Positions - Floor/Ground Surface Are the wheelchair viewing positions on a stable and firm surface?	N/A		ADAABAG Section 802.1.1		
1.7	Assembly Area - Companion Seating Is at least one fixed companion seat provided adjacent to each wheelchair seating area?	N/A		ADAABAG Section 802.3		
1.8	Assembly Area - Wheelchair Viewing Positions - Accessible Route Connection Are the wheelchair viewing positions on or adjacent to an accessible route?	N/A		ADAABAG Section 402		
1.9	Assembly Area - Folding/Removable Armrests in Fixed Aisle Seats In addition to the wheelchair seating spaces, are 1% of the fixed seats (but not less than one) aisle seats without armrests, or do these seats have removable or folding armrests on the aisle?	N/A		ADAABAG Section 802.4.1		
1.10	Assembly Area - Accessible Seating Identification - Inside Room/Space Is the accessible aisle seating identified by a sign or a marker? Performance Area - Access from Stage to Seating Area	N/A		ADAABAG Section 802.4.2		
1.11	Performance Area - Access from Stage to Seating Area If the assembly area has a performing area, stage, and/or podium, is there an accessible route/ramp from the wheelchair seating area to these locations? (Note: Use accessible route or ramp checklist.)	N/A		ADAABAG Section F206.2.6		
1.12	Assembly Area - Accessible Seating Identification - Outside Room/Space Is signage notifying patrons of the availability of seats posted outside of the assembly area?	N/A		ADAABAG Section 802.4.2		
1.13	Assembly Area - Assistive Listening Is an assistive listening system provided?	N/A		ADAABAG Section F219.2		
1.14	Assembly Area - Assistive Listening Is signage posted indicating the availability of assistive listening?	N/A		ADAABAG Section F216.10		
1.15	Assembly Area - Assistive Listening Is the type of assistive listening system appropriate for the type of application (audience, programmatic nature, etc.)?	N/A		NPS Best Practices		
1.16	Assembly Area - Assistive Listening If the assistive listening serves individual fixed seats, are the seats within 50 feet of the stage or performance areas?	N/A		NPS Best Practices		

**2. Outdoor Activities - Beach Access Route**

Use this checklist to evaluate continuous unobstructed paths designated for pedestrian use that crosses the surface of the beach.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
2.1	Beach Access Route Does the beach access route coincide with or is it located in the same area as the general circulation path to the maximum extent feasible?	N/A		Outdoor Developed Areas Report		
2.2	Beach Access Route - New Beach Where a beach is newly constructed, is a minimum of one beach access route that extends to the high tide level, mean river bed level or normal recreation pool level provided for every 1/2 mile of linear feet of new beach?	N/A		Outdoor Developed Areas Report		
2.3	Beach Access Route - Existing Beach If a pedestrian access route is constructed from a developed site to or along the edge of an existing beach, is a beach access route provided that extends to the high tide level, mean river bed level or to the normal recreation water level?	N/A		Outdoor Developed Areas Report		
2.4	Beach Access Route - Existing Beach If a route is not provided, does one of the following apply: a temporary route is provided, the route is provided solely as undeveloped public easement, another beach access route exists within 1/2 mile and within the beach of the same jurisdiction.	N/A		Outdoor Developed Areas Report		
2.5	Beach Access Route - Surface Is the surface of the beach access route firm and stable?	N/A		Outdoor Developed Areas Report		
2.6	Beach Access Route - Clear Tread Width Is the clear tread width of the access route a minimum of 36"?	N/A		Outdoor Developed Areas Report		
2.7	Beach Access Route - Clear Tread Width If the clear tread width of the access route is not a minimum of 36", is the route created solely for shoreline maintenance?	N/A		Outdoor Developed Areas Report		

2.8	<b>Beach Access Route - Openings</b> Are all openings found in the surface of the beach access route of a size that does not permit passage of a 1/2" diameter sphere?	N/A		Outdoor Developed Areas Report	
2.9	<b>Beach Access Route - Openings</b> Are elongated openings placed so that the long dimension is perpendicular or diagonal to the dominant direction of travel?	N/A		Outdoor Developed Areas Report	
2.10	<b>Beach Access Route - Openings</b> If elongated openings are parallel to the dominant direction of travel, is the opening of a size that does not permit passage of a 1/4" diameter sphere?	N/A		Outdoor Developed Areas Report	
2.11	<b>Beach Access Route - Protruding Objects</b> Do objects that protrude into the route with their leading edges between 27" and 80" above the ground protrude no more than 4" into the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report	
2.12	<b>Beach Access Route - Protruding Objects</b> Do free-standing objects mounted on posts or pylons overhang a maximum of 12" from 27" to 80" above the ground? [See Figure 8(c) and (d)].	N/A		Outdoor Developed Areas Report	
2.13	<b>Beach Access Route - Protruding Objects</b> In the areas where protruding objects occur, is the clear width of the route still a minimum of 32"?	N/A		Outdoor Developed Areas Report	
2.14	<b>Beach Access Route - Head Room</b> Does the beach access route maintain an 80" minimum clear headroom along the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report	
2.15	<b>Beach Access Route - Head Room</b> If the beach access route does not maintain an 80" minimum clear headroom along the route, is a barrier to warn blind or visually impaired person provided? [See Figure 8(c)-	N/A		Outdoor Developed Areas Report	
2.16	<b>Beach Access Route - Passing Space</b> Where the clear tread width of the route is less than 60", are passing spaces provided at intervals of 200' maximum? (60" X 60" or intersection of two walking surfaces that provide a T-shaped space complying with Outdoor Developed Areas Report 16.4.6	N/A		Outdoor Developed Areas Report	
2.17	<b>Beach Access Route - Maneuvering Space/Resting Space</b> Is maneuvering space provided at the high tide level, mean river bed level, normal recreation water level or at the end of the beach access route?	N/A		Outdoor Developed Areas Report	
2.18	<b>Beach Access Route - Maneuvering Space/Resting Space</b> Is the maneuvering space separate from the beach access route and is it a minimum of 60" X 60" or an intersection of two walking surfaces that provide a T-shaped space complying with Outdoor Developed Areas Report 16.4.6	N/A		Outdoor Developed Areas Report	
2.19	<b>Beach Access Route - Cross Slope</b> Is the cross slope of the beach access route a maximum of 1:33?	N/A		Outdoor Developed Areas Report	
2.20	<b>Beach Access Route - Cross Slope</b> If the cross slope of beach access route is not a maximum of 1:33, is the cross slope a maximum of 1:20 to ensure proper drainage?	N/A		Outdoor Developed Areas Report	
2.21	<b>Beach Access Route - Running Slope</b> Is the running slope of the route a maximum of 1:20?	N/A		Outdoor Developed Areas Report	
2.22	<b>Beach Access Route - Running Slope</b> If the running slope is 1:12, is it at this slope for a maximum of 50' and are resting intervals provided at distances no greater than 50'?	N/A		Outdoor Developed Areas Report	
2.23	<b>Beach Access Route - Running Slope</b> If the running slope is 1:10, is it at this slope for a maximum of 30' and are resting intervals provided at distances no greater than 30'?	N/A		Outdoor Developed Areas Report	
2.24	<b>Beach Access Route - Resting Intervals</b> If a resting interval is provided, is the area a minimum of 60" in length and at least as wide as the widest portion of the trail segment leading to the resting interval?	N/A		Outdoor Developed Areas Report	
2.25	<b>Beach Access Route - Resting Intervals Slope</b> If a resting interval is provided, is the slope less than 1:33 in any direction? (Slope can be 1:20 to allow for proper drainage.)	N/A		Outdoor Developed Areas Report	
2.26	<b>Beach Access Route - Edge Protection</b> If the drop-off from the beach access route to the beach is 6" or higher, does the beach access route have curbs, walls, railings or projecting surfaces a minimum of 2" high that prevent people from falling off the route?	N/A		Outdoor Developed Areas Report	
2.27	<b>Beach Access Route - Changes In Level</b> Are obstacles in the beach access route a maximum of 1" high?	N/A		Outdoor Developed Areas Report	
2.28	<b>Beach Access Route - Edge Protection</b> If the drop-off from the beach access route to the beach is greater than 1", but less than 6", is the edge beveled?	N/A		Outdoor Developed Areas Report	

### 3. Outdoor Activities - Benches

Use this checklist to evaluate fixed benches used primarily for seating purposes at picnic areas or along an accessible route.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
3.1	<b>Single Bench - Minimum Number</b> If one fixed bench is provided in an area, is the bench accessible?	N/A		ADAABAG Section 903		
3.2	<b>Multiple Benches - Minimum Number</b> If multiple benches are provided in an area, are at least 50% accessible? EXCEPTION: This requirement does not apply to benches provided in assembly areas covered by the assembly area checklists.	N/A		ADAABAG		
3.3	<b>Accessible Bench - Route</b> Are at least 40% of fixed benches located on a Trail?	N/A		ADAABAG		
3.4	<b>Multiple Benches - Dispersion</b> Are the accessible benches dispersed among the types provided?	N/A		ADAABAG		
3.5	<b>Accessible Bench - Height</b> Is the front edge of the seat a minimum of 17" and a maximum of 19" above the ground or floor surface?	N/A		ADAABAG Section 903.5		

3.6	<b>Accessible Bench - Back Support</b> If there is a back support, is it a minimum of 42" long and positioned 2" above seat height to 18" above seat height minimum? Figure 903.4.	N/A	ADAABAG Section 903.4		
3.7	<b>Accessible Bench- Seat</b> Is the seat of the bench designed to prevent accumulation of water and be slip resistant?	N/A	ADAABAG Section 403.3		
3.8	<b>Accessible Bench - Clear Floor or Ground Space</b> As a minimum, is there at least one 30" wide X 48" deep level clear space provided for a wheelchair at one end of the bench so	N/A	ADAABAG Section 903.2		
3.9	<b>Accessible Bench - Ground Surface</b> Is the ground or floor surface surrounding the bench stable and firm?	N/A	ADAABAG Section 302.1		
3.10	<b>Accessible Bench - Ground Slope</b> If the ground or floor surface is sloped, is the slope 1:48 or less in all directions?	N/A	ADAABAG Section 403.3		

#### 4. Outdoor Activities - Boating- Recreational Boating Facilities

This checklist is to be used to evaluate boating facilities including gangways and slips.

When modifications are made based on this checklist, refer to ADAABAG 1003.2.1 Exception 1 (boat slips and gangways).

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
4.1	<b>Parking Lots - Parking Spaces - Location</b> Are the accessible parking spaces that serve the facility located on the shortest accessible route of travel from the parking area to the facility?	N/A		ADAABAG Section 208.3.1		
4.2	<b>Accessible Route Connection</b> Is the facility that you are presently surveying on or adjacent to an accessible route?	N/A		ADAABAG Section 402		
4.3	<b>Exterior Changes in Level - Hinged Ramp/Gangway</b> If there is a gangway/hinged ramp that connects to a floating dock, is the slope of the hinged ramp/gangway a maximum 1:12. Note: 8 exceptions may apply.	N/A		ADAABAG Section 1003.2		
4.4	<b>Exterior Changes in Level - Transition Plate</b> Is the slope of the transition plate a maximum of 1:12 (8.33%)? Note: 8 exceptions pertain.	N/A		ADAABAG Section 405.2		
4.5	<b>Exterior Changes in Level - Transition Plate</b> Is the level change between the transition plate and adjoining surface 1/4" or less? Note: 8 exceptions pertain.	N/A		ADAABAG Section 303.2		
4.6	<b>Exterior Changes in Level - Transition Plate Width</b> Is the width of the transition plate as wide as the gangway? Note: 8 exceptions may pertain.	N/A		ADAABAG Section 403.5.1		
4.7	<b>Exterior Changes in Level - Transition Plate - Handrail</b> If the transition plate is longer than 72", does it have handrails on both sides? Note: exception 6 of 1003.2.1 may apply.	N/A		ADAABAG Section 505		
4.8	<b>Boat Dock - Change in Level</b> If there is a vertical change between the access route/gangway and the dock, is it 1/2 inch or less? Note: Exception 8 of 1003.2.1 may apply.	N/A		ADAABAG Section 303.2		
4.9	<b>Boat Dock - Surface</b> Is the surface of the dock, stable and firm?	N/A		ADAABAG Section 302		
4.10	<b>Boat Dock - Minimum Width</b> If the dock is floating or fixed, is the width a minimum 36"? Note: If dock is over 200 lineal feet, provide 60" passing (ADAABAG 403.5.2)	N/A		ADAABAG Section 1003.2		
4.11	<b>Boat Dock - Minimum Width - Fishing</b> If the dock is also designated for fishing, is the dock a minimum of 36" wide for maneuvering? Note: if dock is over 200 lineal feet, provide 60" passing (ADAABAG 403.5.2)	N/A		ADAABAG Section 1005.1		
4.12	<b>Boat Dock - Surface - Cross Slope</b> Does the surface of the deck have a cross slope of 1:50 (2 percent) or less? Note: Exception 7 of 1003.2.1 may apply.	N/A		ADAABAG Section 403.3		
4.13	<b>Boat Dock - Grating / Planks - Gap Size</b> If the surface is grating or planks, are the gaps between the grates or planks 1/2 inch or less?	N/A		ADAABAG Section 1003.2.302.3		
4.14	<b>Boat Dock - Grating / Planks - Gap Direction</b> If the surface is grating or planking, do the gaps run perpendicular to the predominant direction of travel? [See Figure 302.3]	N/A		ADAABAG Section 1003.2.302.3		
4.15	<b>Boat Dock - Surface</b> If the dock is constructed with floating sections, is the gap between the sections 1/2 inch or less?	N/A		ADAABAG Section 1003.2.302.3		
4.16	<b>Accessible Boat Slips - Quantity</b> Are a minimum of 1 per 25, but no less than one, boat slips accessible? (If the number of slips cannot be identified, each 40 feet of mooring space provided along the perimeter of a pier shall be counted as one boat slip.) [See Table 235.2]	N/A		ADAABAG Section 235.2		
4.17	<b>Accessible Boat Slips - Dispersed</b> If the marina has single berth, double berth, covered slips, uncovered slips, and slips equipped with electric and water connections, have the accessible slips been dispersed? (Note: This will not increase the quantity of accessible slips.)	N/A		ADAABAG Section 1003.3.1.		
4.18	<b>Accessible Boat Slips - Location</b> Are the slips that have been identified as accessible nearest to the amenities provided by the marina, such as rest rooms, concession stands, parking, etc.?	N/A		NPS Best Practices		
4.19	<b>Accessible Boat Slips - Clear Space</b> If, at the accessible boat slips, there are upright posts, electric and water hook up, and/or storage facilities, is there a minimum 60 inches wide continuous clear opening every 10 feet along the slip to allow access from the boat? Note: Exception 1	N/A		ADAABAG Section 1003.3.1		
4.20	<b>Accessible Boat Slips - Serving Boat Launch Ramps</b> If a boat launch ramp is provided with boarding piers, is at least one accessible slip provided adjacent to the boat launch	N/A		ADAABAG Section 1003		

4.21	Edge Protection If provided, does the edge protection provide 4" high maximum and 2" wide maximum size? Note: Exception 2 of 1003.3.1 may apply. [See Figure 1003.3.1]	N/A		ADAABAG Section 1003.3.1	
4.22	Boarding Pier Clearances Is there a 60" wide minimum opening along the boarding pier area? Note: Exceptions 1 and 2 of 1003.3.2 may apply.	N/A		ADAABAG Section 1003.3.2	

### 5. Outdoor Activities - Camping Facilities - RV/Vehicle

This checklist shall be used to evaluate developed recreational vehicle camping facilities - for R.V.s and trailers - and associated amenities - picnic tables, fire rings, cooking surfaces, grills and utilities (i.e. etc) shall not be used for undeveloped or primitive camping areas that have no parking or other facilities.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
5.1	RV/Trailer Spaces - Minimum Number of Accessible Sites If RV/Trailer spaces are provided, are the required number of accessible RV/Trailer spaces provided in accordance with Table 16.17.7?	N/A		Outdoor Developed Areas Report 16.17.1		
5.2	Single Accessible RV/Trailer Spaces - Minimum Width If the camping space is designated for RV/Trailer use, is the width of the space a minimum of 20'?	N/A		Outdoor Developed Areas Report 16.17.2.1		
5.3	Multiple Accessible RV/Trailer Spaces - Minimum Width If two RV/Trailer camping spaces are required, is one a minimum of 20' wide and the other a minimum of 16' wide?	N/A		Outdoor Developed Areas Report 16.17.2		
5.4	Tenting and RV/Trailer Spaces - Minimum Width If camping sites are identified for both tent and RV/Trailer camping, are at least 50% of the accessible sites 20' wide and the remainder a minimum of 16' wide?	N/A		Outdoor Developed Areas Report 16.17.1.1		
5.5	Identification If the campground does not take reservations and does not assign campsites upon arrival, are the required number of accessible campsites identified with the International Symbol of Accessibility?	N/A		Outdoor Developed Areas Report 16.17.1.3		
5.6	Distributed If there are two or more accessible campsites, are they distributed throughout the campground allowing a choice of locations (e.g. beaches, natural features, restrooms, concessionaires)?	N/A		NPS Best Practices		
5.7	Reservations If the campground does take reservations, are the accessible campsites held until all non-accessible campsites are full?	N/A		NPS Best Practices		
5.8	Single Picnic Table - Minimum Number If one fixed picnic table is associated with the camping area, is it accessible?	N/A		Outdoor Developed Areas Report 16.5.1		
5.9	Single Picnic Table - Accessible Route Connection If one fixed picnic table is associated with the camping area, is the table on or adjacent to a trail?	N/A		Outdoor Developed Areas Report 16.5.1.1		
5.10	Multiple Picnic Tables - Minimum Number If multiple fixed picnic tables are associated with the camping area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.5.1.2		
5.11	Multiple Picnic Tables - Accessible Route Connection If multiple fixed picnic tables are associated with the camping area, are at least 40%, but not less than two, of the accessible tables on or adjacent to a trail?	N/A		Outdoor Developed Areas Report 16.5.1.2		
5.12	Accessible Picnic Table - Wheelchair Seating Spaces Does the accessible picnic table have the appropriate number of wheelchair seating spaces as defined by Table 16.5.3?	N/A		Outdoor Developed Areas Report 16.5.3		
5.13	Accessible Picnic Table - Knee Space Are the wheelchair seating knee spaces a minimum of 27" high, 30" wide and 18" deep?	N/A		Outdoor Developed Areas Report 16.5.4		
5.14	Accessible Picnic Table - Toe Clearance Is the toe clearance that is a minimum of 9" high and extends an additional 5" minimum from the knee clearance provided?	N/A		Outdoor Developed Areas Report 16.5.4		
5.15	Accessible Picnic Table - Clear Floor or Ground Space Is a 30" X 48" clear ground space provided for each required accessible wheelchair space?	N/A		Outdoor Developed Areas Report 16.5.4		
5.16	Accessible Picnic Table - Table Clearance Is a 36" clear ground space surrounding the usable portion of the table provided (measured from the seat)?	N/A		Outdoor Developed Areas Report 16.5.5		
5.17	Accessible Picnic Table - Surface Is the surface of the area below and surrounding the picnic table firm and stable?	N/A		Outdoor Developed Areas Report 16.5.6		
5.18	Accessible Picnic Table - Surface If the surface below and surrounding the picnic table is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.6		
5.19	Accessible Picnic Table - Slope Does the area below and surrounding the picnic table have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.5.7		

5.20	Accessible Picnic Table - Slope If the slope of the area below and surrounding the picnic table is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.7	
5.21	Single Fire Ring - Minimum Number If one fire ring is associated with the camping area, is it accessible?	N/A		Outdoor Developed Areas Report 16.6.1.1	
5.22	Single Fire Ring - Accessible Route Connection If one fire ring is associated with the camping area, is the fire ring on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.6.1.1	
5.23	Multiple Fire Rings - Minimum Number If multiple fire rings are associated with the camping area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.6.1.2	
5.24	Multiple Fire Rings - Accessible Route Connection If multiple fire rings are associated with the camping area, are at least 40%, but not less than two, of the accessible fire rings located on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.6.1.2	
5.25	Accessible Fire Ring - Clear Floor or Ground Space Is a clear ground space extending a minimum of 48" in depth from the fire ring with a 30" minimum width provided?	N/A		Outdoor Developed Areas Report 16.6.3	
5.26	Accessible Fire Ring - Clear Floor or Ground Space If the clear space surrounding the fire ring is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.6.3	
5.27	Accessible Fire Ring - Fire Surface Height Is the fire building surface a minimum of 9" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.6.4	
5.28	Accessible Fire Ring - Raised Edge If a raised edge or curb is provided, is the combined distance over the edge or curb down to the fire building surface a maximum of 24"?	N/A		Outdoor Developed Areas Report 16.6.5	
5.29	Accessible Fire Ring - Slope Does the clear space around the fire ring have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.6.6	
5.30	Accessible Fire Ring - Slope If the slope of the clear space surrounding the fire ring is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.6	
5.31	Accessible Fire Ring - Surface Is the clear space around the fire ring area firm and stable?	N/A		Outdoor Developed Areas Report 16.6.7	
5.32	Accessible Fire Ring - Surface If the clear space around the fire ring area is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.7	
5.33	Single Cooking Surface, Grill or Pedestal Grill - Minimum Number If one cooking surface, grill or pedestal grill is associated with the camping area, is it accessible?	N/A		Outdoor Developed Areas Report 16.7.1	
5.34	Single Cooking Surface, Grill or Pedestal Grill - Accessible Route Connection If one cooking surface, grill or pedestal grill is associated with the camping area, is the cooking surface, grill or pedestal grill on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.7.1	
5.35	Multiple Cooking Surface, Grill or Pedestal Grills - Minimum Number If multiple cooking surface, grill or pedestal grills are associated with the camping area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.7.2	
5.36	Multiple Cooking Surface, Grill or Pedestal Grills - Accessible Route Connection If multiple cooking surface, grill or pedestal grills are associated with the camping area, are at least 50%, but not less than two, of the accessible cooking surface, grill or pedestal grills located on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.7.2	
5.37	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space Are all usable portions of the cooking surface provided with a clear floor or ground space that is 48" minimum in depth?	N/A		Outdoor Developed Areas Report 16.7.5	
5.38	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space If the minimum depth of the clear space surrounding the cooking surface, grill or pedestal grill is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.7.5	
5.39	Accessible Cooking Surface, Grill or Pedestal Grill - Cooking Surface Height Is the cooking surface a minimum of 15" and a maximum of 34" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.3	
5.40	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Are the controls at a height between 15" and 48" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.4	

5.41	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.7.4	
5.42	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is the clear space area provided to allow forward or parallel approach for operation of the controls?	N/A		Outdoor Developed Areas Report 16.7.4	
5.43	Accessible Cooking Surface, Grill or Pedestal Grill - Slope Does the clear space around the cooking surface, grill or pedestal grill have a slope that is less than 1:50 in any direction?	N/A		Outdoor Developed Areas Report 16.7.6	
5.44	Accessible Cooking Surface, Grill or Pedestal Grill - Slope If the slope of the clear space surrounding the cooking surface, grill or pedestal grill is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.6	
5.45	Accessible Cooking Surface, Grill or Pedestal Grill - Surface Is the clear space area surround the cooking surface, grill or pedestal grill firm and stable?	N/A		Outdoor Developed Areas Report 16.7.7	
5.46	Accessible Cooking Surface, Grill or Pedestal Grill - Surface If the clear space surrounding the cooking surface, grill or pedestal grill is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.7	
5.47	Utilities - Route If the accessible campsite is served by utilities such as electric, water and sewer are they adjacent to the campsite or is there a stable and firm accessible route that connects the utilities to the campsite?	N/A		Outdoor Developed Areas Report 16.16.1	
5.48	Utilities - Route Width If there is a route to the utilities, is it a minimum 36" wide?	N/A		Outdoor Developed Areas Report 18.3.1	
5.49	Utilities - Route Slope If there is a route to the utilities, is the slope less than 1:20 (5%)?	N/A		Outdoor Developed Areas Report 16.3.2.2	
5.50	Utilities - Height Are the accessible hookups, plug-ins, spigots, etc., between 15" and 48" above the ground? Note: hand pumps are exempt from this requirements.	N/A		Outdoor Developed Areas Report 16.16.2	
5.51	Utilities - Operation Can the utilities be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.16.1	
5.52	Utilities - Operating Force Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.6.1	
5.53	Utilities - Clear Floor Space Is a clear floor or ground space a minimum of 30" X 48" provided adjacent to the utility?	N/A		Outdoor Developed Areas Report 16.16.5	
5.54	Utilities - Ground Surface Is the ground or floor surface around the utility firm and stable?	N/A		Outdoor Developed Areas Report 16.16.5	
5.55	Utilities - Slope Does the 30" X 48" clear space required for the utility have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.16.4	
5.56	Utilities - Water Spout If a fixed water spout is provided, is the spout located between 28" and 36" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.16.3	
5.57	Utilities - Water Spout If a fixed water spout is provided, is it centered at the edge of a 60" X 60" minimum clear space?	N/A		Outdoor Developed Areas Report 16.16.3	
5.58	Utilities - Water Spout Is the 60" X 60" clear space for the water spout a stable and firm surface?	N/A		Outdoor Developed Areas Report 16.16.5	
5.59	Utilities - Water Spout Does the 60" X 60" clear space for the water spout have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.16.5	

**6. Outdoor Activities - Camping Facilities - Tent Pads/Platforms**

This checklist shall be used to evaluate developed camping facilities, i.e. tent spaces and camping shelters, and associated amenities such as parking, picnic tables, grills, utilities and routes. It shall not be used for primitive camping areas that have no parking or other facilities.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
6.1	Tent Pad - Minimum Number of Accessible Sites If tent pads are provided, are the required number of accessible tent pads provided in accordance with Table 16.17?	N/A		Outdoor Developed Areas Report 16.17.1		

6.2	Tent Platform -Minimum Number of Accessible Sites If tent platforms are provided, are the required number of accessible tent platforms provided in accordance with Table	N/A		Outdoor Developed Areas Report 16.17.1	
6.3	Tent Shelter -Minimum Number of Accessible Sites If tent shelters are provided, are the required number of accessible tent shelters provided in accordance with Table 16.17?	N/A		Outdoor Developed Areas Report 16.17.1	
6.4	Identification If the campground does not take reservations and does not assign campsites upon arrival, are the required number of accessible campsites identified with the International Symbol of Accessibility?	N/A		Outdoor Developed Areas Report 16.17.1.3	
6.5	Distributed If there are two or more accessible campsites, are they distributed throughout the campground allowing a choice of locations (e.g. beaches, natural features, restrooms, concessionaires)?	N/A		NPS Best Practices	
6.6	Reservations If the campground does take reservations, are the accessible campsites held until all non-accessible campsites are full?	N/A		NPS Best Practices	
6.7	Accessible Camping Space - Parking If parking is provided within the camping area, is the parking space a minimum of 16' wide?	N/A		Outdoor Developed Areas Report 16.17.2.2	
6.8	Accessible Camping Space - Parking - Slope Does the accessible parking space have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.17.2.3	
6.9	Accessible Parking - Off Site If parking is not located within the camping area, are the parking spaces that serve the camping area located on the shortest accessible route of travel from the parking area to the camping area?	N/A		ADAABAG Section 208.3.1	
6.10	Accessible Parking - Off Site - Accessible Route Connection If parking is not located within the camping area, is the camping area that you are presently surveying on or adjacent to an Trail?	N/A		ADAABAG Section F206.4	
6.11	Accessible Tent Pad - Clear Floor or Ground Space If a tent pad is provided, is there a minimum of 48" clear space surrounding the tent?	N/A		Outdoor Developed Areas Report 16.17.3.1	
6.12	Accessible Tent Pad - Clear Floor or Ground Space If the clear space surrounding the tent is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.17.3.1	
6.13	Accessible Tent Pad - Surface Is the tent pad surface firm and stable?	N/A		Outdoor Developed Areas Report 16.17.3.2	
6.14	Accessible Tent Pad - Surface If the tent pad surface is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.17.3.2	
6.15	Accessible Tent Pad - Surface Does the tent pad surface allow use of tent stakes and other securement devices?	N/A		Outdoor Developed Areas Report 16.17.3.2	
6.16	Accessible Tent Pad - Surface If the tent pad surface does not allow use of tent stakes and other securement devices, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.17.3.2	
6.17	Accessible Tent Pad - Slope Does the accessible tent pad have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.17.3.4	
6.18	Accessible Tent Platform - Clear Floor or Ground Space If a tent platform is provided, is there a minimum of 48" clear space surrounding the tent?	N/A		Outdoor Developed Areas Report 16.17.3.1	
6.19	Accessible Tent Platform - Clear Floor or Ground Space If the clear space surrounding the tent is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.17.3.1	
6.20	Accessible Tent Platform - Surface Is the tent platform surface firm and stable?	N/A		Outdoor Developed Areas Report 16.17.3.3	
6.21	Accessible Tent Platform- Slope Does the accessible tent platform have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.17.3.4	
6.22	Accessible Tent Platform - Edge Protection Is a curb (3" high minimum), wall, railing or projecting surface provided that prevents individuals from slipping off the tent platform?	N/A		Outdoor Developed Areas Report 16.17.3.5	
6.23	Accessible Tent Platforms - Connection Is the tent platform accessed by a ramp, by transfer or directly from the adjacent ground surface?	N/A		Outdoor Developed Areas Report 16.17.3.6	
6.24	Single Picnic Table - Minimum Number If one fixed picnic table is associated with the tenting area, is it accessible?	N/A		Outdoor Developed Areas Report 16.5.1	
6.25	Single Picnic Table - Accessible Route If one fixed picnic table is associated with the tenting area, is the table on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.5.1.1	
6.26	Multiple Picnic Tables - Minimum Number If multiple fixed picnic tables are associated with the tenting area, are at least 50% , but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.5.1.2	
6.27	Multiple Picnic Tables - Accessible Route Connection If multiple fixed picnic tables are associated with the tenting area, are at least 40%, but not less than two, of the accessible tables on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.5.1.2	
6.28	Accessible Picnic Table - Wheelchair Seating Spaces Does the accessible picnic table have the appropriate number of wheelchair seating spaces as defined by Table 16.5.3?	N/A		Outdoor Developed Areas Report 16.5.3	

6.29	Accessible Picnic Table - Knee Space Are the wheelchair seating knee spaces a minimum of 27" high, 30" wide and 19" deep?	N/A		Outdoor Developed Areas Report 16.5.4	
6.30	Accessible Picnic Table - Toe Clearance Is toe clearance that is a minimum of 9" high and extends an additional 5" minimum from the knee clearance provided?	N/A		Outdoor Developed Areas Report 16.5.4	
6.31	Accessible Picnic Table - Clear Floor or Ground Space Is a 30" X 48" clear ground space provided for each required accessible wheelchair space?	N/A		Outdoor Developed Areas Report 16.5.4	
6.32	Accessible Picnic Table - Table Clearance Is a 36" clear ground space surrounding the usable portion of the table provided (measured from the seat)?	N/A		Outdoor Developed Areas Report 16.5.5	
6.33	Accessible Picnic Table - Surface Is the surface of the area below and surrounding the picnic table firm and stable?	N/A		Outdoor Developed Areas Report 16.5.6	
6.34	Accessible Picnic Table - Surface If the surface below and surrounding the picnic table is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.6	
6.35	Accessible Picnic Table - Slope Does the area below and surrounding the picnic table have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.5.7	
6.36	Accessible Picnic Table - Slope If the slope of the area below and surrounding the picnic table is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.7	
6.37	Single Fire Ring - Minimum Number If one fire ring is associated with the tenting area, is it accessible?	N/A		Outdoor Developed Areas Report 16.6.1.1	
6.38	Single Fire Ring - Accessible Route Connection If one fire ring is associated with the tenting area, is the fire ring on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.6.1.1	
6.39	Multiple Fire Rings - Minimum Number If multiple fire rings are associated with the tenting area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.6.1.2	
6.40	Multiple Fire Rings - Accessible Route Connection If multiple fire rings are associated with the tenting area, are at least 40%, but not less than two, of the accessible fire rings located on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.6.1.2	
6.41	Accessible Fire Ring - Clear Floor or Ground Space Is a clear ground space extending a minimum of 48" in depth from the fire ring with a 30" minimum width provided?	N/A		Outdoor Developed Areas Report 16.6.3	
6.42	Accessible Fire Ring - Clear Floor or Ground Space If the clear space surrounding the fire ring is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.6.3	
6.43	Accessible Fire Ring - Fire Surface Height Is the fire building surface a minimum of 9" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.6.4	
6.44	Accessible Fire Ring - Raised Edge If a raised edge or curb is provided, is the combined distance over the edge or curb down to the fire building surface a maximum of 24"?	N/A		Outdoor Developed Areas Report 16.6.5	
6.45	Accessible Fire Ring - Slope Does the clear space around the fire ring have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.6.6	
6.46	Accessible Fire Ring - Slope If the slope of the clear space surrounding the fire ring is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.6	
6.47	Accessible Fire Ring - Surface Is the clear space around the fire ring area firm and stable?	N/A		Outdoor Developed Areas Report 16.6.7	
6.48	Accessible Fire Ring - Surface If the clear space around the fire ring is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.7	
6.49	Single Cooking Surface, Grill or Pedestal Grill - Minimum Number If one cooking surface, grill or pedestal grill is associated with the tenting area, is it accessible?	N/A		Outdoor Developed Areas Report 16.7.1	
6.50	Single Cooking Surface, Grill or Pedestal Grill - Accessible Route Connection If one cooking surface, grill or pedestal grill is associated with the tenting area, is the cooking surface, grill or pedestal grill on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.7.1	
6.51	Multiple Cooking Surface, Grill or Pedestal Grills - Minimum Number If multiple cooking surface, grill or pedestal grills are associated with the tenting area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.7.2	
6.52	Multiple Cooking Surface, Grill or Pedestal Grills - Accessible Route Connection If multiple cooking surface, grill or pedestal grills are associated with the tenting area, are at least 50%, but not less than two, of the accessible cooking surface, grill or pedestal grills located on or adjacent to an	N/A		Outdoor Developed Areas Report 16.7.2	
6.53	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space Are all usable portions of the cooking surface provided with a clear floor or ground space that is 48" minimum in depth (measured from the cooking surface) and 48" minimum in width?	N/A		Outdoor Developed Areas Report 16.7.5	
6.54	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space If the minimum depth of the clear space surrounding the cooking surface, grill or pedestal grill is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.7.5	

6.55	Accessible Cooking Surface, Grill or Pedestal Grill - Cooking Surface Height Is the cooking surface a minimum of 15" and a maximum of 34" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.3	
6.56	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Are the controls at a height between 15" and 48" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.4	
6.57	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.7.4	
6.58	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is the clear space area provided to allow forward or parallel approach for operation of the controls?	N/A		Outdoor Developed Areas Report 16.7.4	
6.59	Accessible Cooking Surface, Grill or Pedestal Grill - Slope Does the clear space around the cooking surface, grill or pedestal grill have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper	N/A		Outdoor Developed Areas Report 16.7.6	
6.60	Accessible Cooking Surface, Grill or Pedestal Grill - Slope If the slope of the clear space surrounding the cooking surface, grill or pedestal grill is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.6	
6.61	Accessible Cooking Surface, Grill or Pedestal Grill - Surface Is the clear space area surround the cooking surface, grill or pedestal grill firm and stable?	N/A		Outdoor Developed Areas Report 16.7.7	
6.62	Accessible Cooking Surface, Grill or Pedestal Grill - Surface If the clear space surrounding the cooking surface, grill or pedestal grill is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.7	
6.63	Utilities - Route If the accessible campsite is served by utilities such as electric, water and sewer are they adjacent to the campsite or is there a stable and firm accessible route that connects the utilities to the campsite?	N/A		Outdoor Developed Areas Report 16.6.1	
6.64	Utilities - Route Width If there is a route to the utilities, is it a minimum 36" wide?	N/A		Outdoor Developed Areas Report 16.3.1	
6.65	Utilities - Route Slope If there is a route to the utilities, is the slope less than 1:20 (5%)?	N/A		Outdoor Developed Areas Report 16.3.2.2	
6.66	Utilities - Height Are the accessible hookups, plug-ins, spigots, etc., between 15" and 48" above the ground? NOTE: Hand pumps are exempt from this requirement.	N/A		Outdoor Developed Areas Report 16.16.2	
6.67	Utilities - Operation Can the utilities be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.16.1	
6.68	Utilities - Operating Force Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.16.1	
6.69	Utilities - Clear Floor Space Is a clear floor or ground space a minimum of 30" X 48" provided adjacent to the utility?	N/A		Outdoor Developed Areas Report 16.16.4	
6.70	Utilities - Ground Surface Is the ground or floor surface around the utility firm and stable?	N/A		Outdoor Developed Areas Report 16.16.5	
6.71	Utilities - Slope Does the 30" X 48" clear space required for the utility have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.16.4	
6.72	Utilities - Water Spout If a fixed water spout is provided, is the spout located between 28" and 36" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.16.3	
6.73	Utilities - Water Spout If a fixed water spout is provided, is it centered at the edge of a 60" X 60" minimum clear space?	N/A		Outdoor Developed Areas Report 16.16.3	
6.74	Utilities - Water Spout Is the 60" X 60" clear space for the water spout a stable and firm surface?	N/A		Outdoor Developed Areas Report 16.16.5	
6.75	Utilities - Water Spout Does the 60" X 60" clear space for the water spout have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.16.5	

**7. Outdoor Activities - Cooking Surfaces, Grills and Pedestals**

This checklist shall be used to evaluate Cooking Surfaces, Grills or Pedestal Grills that are permanently installed. This checklist is not intended to evaluate fireplaces or fire pits. This checklist shall be used for cooking facilities.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
7.1	Single Cooking Surface, Grill or Pedestal Grill - Minimum Number If one cooking surface, grill or pedestal grill is associated with the picnic area, is it accessible?	N/A		Outdoor Developed Areas Report 16.7.1		
7.2	Single Cooking Surface, Grill or Pedestal Grill - Accessible Route Connection If one cooking surface, grill or pedestal grill is associated with the picnic area, is the cooking surface, grill or pedestal grill on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.7.1		
7.3	Multiple Cooking Surface, Grill or Pedestal Grills - Minimum Number If multiple cooking surface, grill or pedestal grills are associated with the picnic area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.7.2		

7.4	Multiple Cooking Surface, Grill or Pedestal Grills - Accessible Route Connection If multiple cooking surface, grill or pedestal grills are associated with the picnic area, are at least 40%, but not less than two, of the accessible cooking surface, grill or pedestal grills located on or adjacent to an	N/A		Outdoor Developed Areas Report 16.7.2	
7.5	Accessible Cooking Surface, Grill or Pedestal Grill - Dispersal Are the accessible cooking surface, grill or pedestal grills dispersed among the types provided? This provision does not require an increase in the total number of accessible cooking facilities required.	N/A		Outdoor Developed Areas Report 16.7.2	
7.6	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space Are all usable portions of the cooking surface provided with a clear floor or ground space that is 48" minimum in depth (measured from the cooking surface) and 48" minimum in width?	N/A		Outdoor Developed Areas Report 16.7.5	
7.7	Accessible Cooking Surface, Grill or Pedestal Grill - Clear Floor or Ground Space If the minimum depth of the clear space surrounding the cooking surface, grill or pedestal grill is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.7.5	
7.8	Accessible Cooking Surface, Grill or Pedestal Grill - Cooking Surface Height Is the cooking surface a minimum of 15" and a maximum of 34" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.3	
7.9	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Are the controls at a height between 15" and 48" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.7.4	
7.10	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.7.4	
7.11	Accessible Cooking Surface, Grill or Pedestal Grill - Controls Is the clear space area provided to allow forward or parallel approach for operation of the controls?	N/A		Outdoor Developed Areas Report 16.7.4	
7.12	Accessible Cooking Surface, Grill or Pedestal Grill - Slope Does the clear space around the cooking surface, grill or pedestal grill have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper	N/A		Outdoor Developed Areas Report 16.7.5	
7.13	Accessible Cooking Surface, Grill or Pedestal Grill - Slope If the slope of the clear space surrounding the cooking surface, grill or pedestal grill is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.5	
7.14	Accessible Cooking Surface, Grill or Pedestal Grill - Surface Is the clear space area surrounding the cooking surface, grill or pedestal grill firm and stable?	N/A		Outdoor Developed Areas Report 16.7.7	
7.15	Accessible Cooking Surface, Grill or Pedestal Grill - Surface If the clear space surrounding the cooking surface, grill or pedestal grill is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.7.7	

**8. Outdoor Activities - Fire Rings**

This checklist shall be used to evaluate fire rings that are permanently installed. This checklist is not intended to evaluate fireplaces or fire pits. This checklist shall be used for individual and/or clustered fire rings.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
8.1	Single Fire Ring - Minimum Number If one fire ring is associated with the picnic area, is it accessible?	N/A		Outdoor Developed Areas Report 16.6.1.1		
8.2	Single Fire Ring - Accessible Route Connection If one fire ring is associated with the picnic area, is the fire ring on or adjacent to an Trail?	N/A		Outdoor Developed Areas Report 16.6.1.1		
8.3	Multiple Fire Rings - Minimum Number If multiple fire rings are associated with the picnic area, are at least 50%, but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.6.1.2		
8.4	Multiple Fire Rings - Accessible Route Connection If multiple fire rings are associated with the picnic area, are at least 40%, but not less than two, of the accessible fire rings located	N/A		Outdoor Developed Areas Report 16.6.1.2		
8.5	Accessible Fire Ring - Dispersal Are the accessible fire rings dispersed among the types provided? This provision does not require an increase in the total number of accessible fire rings required.	N/A		Outdoor Developed Areas Report 16.6.2		
8.6	Accessible Fire Ring - Clear Floor or Ground Space Is a clear ground space extending a minimum of 48" in depth from the fire ring with a 30" minimum width provided?	N/A		Outdoor Developed Areas Report 16.6.3		
8.7	Accessible Fire Ring - Clear Floor or Ground Space If the clear space surrounding the fire ring is less than 48", does one of the four conditions specified in 16.1.1 apply and is the clear space at least 36"?	N/A		Outdoor Developed Areas Report 16.6.3		
8.8	Accessible Fire Ring - Fire Surface Height Is the fire building surface a minimum of 9" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.6.4		
8.9	Accessible Fire Ring - Raised Edge If a raised edge or curb is provided, is the combined distance over the edge or curb down to the fire building surface a maximum of 24"? Figure to be developed.	N/A		Outdoor Developed Areas Report 16.6.5		
8.10	Accessible Fire Ring - Slope Does the clear space around the fire ring have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.6.6		
8.11	Accessible Fire Ring - Slope If the slope of the clear space surrounding the fire ring is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.6		

8.12	Accessible Fire Ring - Surface Is the clear space around the fire ring area stable and firm?	N/A		Outdoor Developed Areas Report 16.6.7		
8.13	Accessible Fire Ring - Surface If the clear space around the fire ring area is not stable and firm, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.6.7		

### 9. Outdoor Activities - Fishing Piers/Platforms

Use this checklist to evaluate fishing piers and fishing platforms.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
9.1	Accessible Route Is the fishing pier or platform located along an accessible route?	N/A		ADAABAG Section 1005.402		
9.2	Curb or Barrier If provided, does the edge protection extend 2" minimum above the ground or deck surface?	N/A		ADAABAG Section 1005.3.1		
9.3	Railings - Height If provided, are at least 25 % of the railings at 34" maximum above the ground or deck surface? Note: exceptions may apply.	N/A		ADAABAG Section 1005.2.1		
9.4	Dispersion If provided, are the accessible railings dispersed throughout the fishing facility?	N/A		ADAABAG Section 1005.2.1.1		
9.5	Clear Pier or Platform Space If accessible railings are provided, is at least one clear space 30" X 48" provided at the location?	N/A		ADAABAG Section 1005.4		
9.6	Clear Pier or Platform Space Where no railings are provided, is at least one clear space 30" X 48" provided on the fishing pier or fishing platform?	N/A		NPS Best Practices		
9.7	Turning Space Is at least one turning space provided on the fishing pier or fishing platform that allows for a 180 degree turn (either 60" diameter or T-shaped space)? [See Figure 304.3.2]	N/A		ADAABAG Section 1005.5.304.3		
9.8	Extended Ground or Deck Surface If there is a wheelchair space provided at the railing, does the surface extend 12" minimum beyond the railing and is there toe clearance 30" wide minimum and 9" high minimum? [See Figure 1005.3.2]	N/A		ADAABAG Section 1005.3.2		

### 10. Outdoor Activities - Outdoor Recreation Access Route

Use this checklist to evaluate any continuous unobstructed path designated for pedestrian use that connects accessible elements within a picnic area, camping area or designated trailhead.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
10.1	Outdoor Recreation Access Route - Surface Is the surface of the access route firm and stable?	N/A		Outdoor Developed Areas Report 16.3.1		
10.2	Outdoor Recreation Access Route - Clear Tread Width Is the clear tread width of the outdoor recreation access route a minimum of 36"?	N/A		Outdoor Developed Areas Report 16.3.2		
10.3	Outdoor Recreation Access Route - Clear Tread Width If the clear tread width of the outdoor recreation access route is not a minimum of 36", is it a minimum of 32" for a maximum distance of 24" and does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.3.2		
10.4	Outdoor Recreation Access Route - Openings Are all openings found in the surface of the outdoor recreation access route of a size that does not permit passage of a 1/2 inch diameter sphere?	N/A		Outdoor Developed Areas Report 16.3.3		
10.5	Outdoor Recreation Access Route - Openings Are elongated openings placed so that the long dimension is perpendicular or diagonal to the dominant direction of travel?	N/A		Outdoor Developed Areas Report 16.3.3		
10.6	Outdoor Recreation Access Route - Openings If elongated openings are parallel to the dominant direction of travel, is the opening of a size that does not permit passage of a 1/4 inch diameter sphere?	N/A		Outdoor Developed Areas Report 16.3.3		
10.7	Outdoor Recreation Access Route - Protruding Objects Do objects that protrude into the route with their leading edges between 27" and 80" above the ground protrude no more than 4" into the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report 16.3.4, 4.4		
10.8	Outdoor Recreation Access Route - Protruding Objects Do free-standing objects mounted on posts or pylons overhang a maximum of 12" from 27" to 80" above the ground? [See Figure 8(c) and (d)].	N/A		Outdoor Developed Areas Report 16.3.4, 4.4		
10.9	Outdoor Recreation Access Route - Protruding Objects In the areas where protruding objects occur, is the clear width of the route still a minimum of 32"?	N/A		Outdoor Developed Areas Report 16.3.4, 4.4		
10.10	Outdoor Recreation Access Route - Head Room Does the outdoor recreation access route maintain an 80" minimum clear headroom along the route? (See Figure 8(a))	N/A		Outdoor Developed Areas Report 16.3.4, 4.4		
10.11	Outdoor Recreation Access Route - Head Room If the outdoor recreation access route does not maintain an 80" minimum clear headroom along the route, is a barrier to warn blind or visually impaired person provided? [See Figure 8(c-1)]	N/A		Outdoor Developed Areas Report 16.3.4, 4.4		
10.12	Outdoor Recreation Access Route - Tread Obstacles Where obstacles exist on the outdoor recreation access route, are they a maximum of 1" high?	N/A		Outdoor Developed Areas Report 16.3.5		

10.13	<b>Outdoor Recreation Access Route - Tread Obstacles</b> If an obstacle exists on the outdoor recreation access route and it is higher than 1", is it less than 2" and beveled with a slope no greater than 1:2 and does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.3.5	
10.14	<b>Outdoor Recreation Access Route - Passing Space</b> Where the clear tread width of the route is less than 60", are passing spaces provided at intervals of 200' maximum? (60" X 60" or intersection of two walking surfaces that provide a T-shaped space complying with	N/A		Outdoor Developed Areas Report 16.3.6	
10.15	<b>Outdoor Recreation Access Route - Passing Space</b> If passing spaces are not provided at intervals of 200', are they provided at intervals of a maximum of 300' and does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.3.6	
10.16	<b>Outdoor Recreation Access Route - Cross Slope</b> Is the cross slope of outdoor recreation access route a maximum of 1:33?	N/A		Outdoor Developed Areas Report 16.3.7.1	
10.17	<b>Outdoor Recreation Access Route - Cross Slope</b> If the cross slope of outdoor recreation access route is not a maximum of 1:33, the cross slope a maximum of 1:20 to ensure proper drainage?	N/A		Outdoor Developed Areas Report 16.3.7.1	
10.18	<b>Outdoor Recreation Access Route - Running Slope</b> Is the running slope of the route a maximum of 1:20?	N/A		Outdoor Developed Areas Report 16.3.7.2	
10.19	<b>Outdoor Recreation Access Route - Running Slope</b> If the running slope is 1:12, is it at this slope for a maximum of 50' and are resting intervals provided at distances no greater than 50'?	N/A		Outdoor Developed Areas Report 16.3.7.2	
10.20	<b>Outdoor Recreation Access Route - Running Slope</b> If the running slope is 1:10, is it at this slope for a maximum of 30' and are resting intervals provided at distances no greater than 30'?	N/A		Outdoor Developed Areas Report 16.3.7.2	
10.21	<b>Outdoor Recreation Access Route - Resting Intervals</b> If a resting interval is provided, is the area a minimum of 60" in length and at least as wide as the widest portion of the outdoor recreation access route segment leading to the resting interval?	N/A		Outdoor Developed Areas Report 16.3.8	
10.22	<b>Outdoor Recreation Access Route - Resting Intervals Slope</b> If a resting interval is provided, is the slope less than 1:33 in any direction? (Slope can be 1:20 to allow for proper drainage.)	N/A		Outdoor Developed Areas Report 16.3.8	
10.23	<b>Outdoor Recreation Access Route - Edge Protection</b> If provided, is the edge protection a minimum of 3"?	N/A		Outdoor Developed Areas Report 16.3.9	

### 11. Outdoor Activities - Outdoor Rinsing Showers

Use this checklist to evaluate outdoor rinsing showers. If multiple showers are at 1 location, a minimum of 1-low and 1-high shower must be provided: questions 3-19 for low shower requirements, questions 20-29 for high shower requirements. If only one shower is at the location, the unit must meet all requirements - low and high.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
11.1	<b>Accessible Showers - Minimum Number</b> If one or more rinsing showers are provided at a location, is at least one a low accessible shower and one a high accessible shower?	N/A		Outdoor Developed Areas Report 16.19.1.		
11.2	<b>Accessible Showers - Minimum Number</b> If only one rinsing shower is provided, does it meet both high and low accessible shower requirements?	N/A		Outdoor Developed Areas Report		
11.3	<b>Low Outdoor Rinsing Shower - Height</b> Is the fixed shower head located between 48" and 54" above the ground or floor?	N/A		Outdoor Developed Areas Report 16.19.1.1		
11.4	<b>Low Outdoor Rinsing Shower - Height</b> If the fixed shower head is not located between 48" and 54" above the ground or floor, is a hand held shower provided with a hose at least 60" long?	N/A		Outdoor Developed Areas Report 16.19.1.1		
11.5	<b>Grab Bars - Height - 33" - 36"</b> Are the grab bars located between 33" and 36" from the floor surface or ground surface?	N/A		ADAABAG Section 609.4		
11.6	<b>Grab Bars - Diameter - 1-1/4" - 1-1/2"</b> If provided, is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [See Figure 609.2.2]	N/A		ADAABAG Section 609.2.1, 609.2.2		
11.7	<b>Grab Bars - Distance - From Wall</b> Is the clear space between all grab bars and walls 1-1/2"? [See Figure 609.3]	N/A		ADAABAG Section 609.3		
11.8	<b>Grab Bars - Load Support - 250 lbs.</b> Can the grab bars support a weight of 250 lbs?	N/A		ADAABAG Section 609.8		
11.9	<b>Grab Bars</b> Are one of the following three grab bar configurations provided.	N/A		ADAABAG See Chapter 6		
11.10	<b>Vertical Grab Bar</b> If the shower head is mounted on a post, is a vertical grab bar provided under the shower head that starts a maximum of 33" above the floor and extends to within at least 3" of the shower head?	N/A		ADAABAG Section 607.6		
11.11	<b>Circular Grab Bar</b> If the shower head is mounted on a post, is a grab bar that surrounds the usable part of the post provided at a height between 33" and 36" above the floor?	N/A		ADAABAG Section 608.3, 609.4		
11.12	<b>Horizontal Grab Bar</b> Is a horizontal grab bar extending 18" minimum in both directions from the center line of the shower head provided at a height between 33" and 36" above the floor?	N/A		ADAABAG Section 608.3, 609.4		
11.13	<b>Controls</b> Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.19.1.6		
11.14	<b>Controls</b> Are the controls at a height between 15" and 48" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.19.1.6		

11.15	Controls - Operation Can the controls be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.19.1.6	
11.16	Controls - Operating Force Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.19.1.6	
11.17	Controls - Self-Closing If self-closing controls are used, do the controls remain open for a least 10 seconds?	N/A		Outdoor Developed Areas Report 16.19.1.6	
11.18	Clear Floor or Ground Space Is a clear floor or ground space of 60" diameter provided and located so that the water from the shower head is directed toward the center of the clear space?	N/A		Outdoor Developed Areas Report 16.19.1.7	
11.19	Slopa Is a maximum slope of 1:33 provided (1:50 preferred)?	N/A		Outdoor Developed Areas Report 16.19.1.8	
11.20	High Outdoor Rinsing Shower - Height Is a fixed shower head provided at a height of a minimum of 72" above the ground or floor?	N/A		Outdoor Developed Areas Report 16.19.2.1	
11.21	High Outdoor Rinsing Shower - Height If the fixed shower head is not located a minimum of 72" above the ground or floor, is a hand held shower provided with a hose at least 60" long?	N/A		Outdoor Developed Areas Report 16.19.2.1	
11.22	Grab Bars - Height - 33" - 36" Are the grab bars located between 33" and 36" from the floor surface or ground surface?	N/A		ADAABAG Section 609.4	
11.23	Grab Bars - Diameter - 1-1/4" - 1-1/2" If provided, is the diameter or width of the grab bar gripping surface 1-1/4" to 1-1/2"? [See Figure 609.2.2]	N/A		ADAABAG Section 609.2.1, 609.2.2	
11.24	Grab Bars - Distance - From Wall Is the clear space between all grab bars and walls 1-1/2"? [See Figure 39]	N/A		ADAABAG Section 609.3	
11.25	Grab Bars - Load Support - 250 lbs. Can the grab bars support a weight of 250 lbs?	N/A		ADAABAG Section 609.5	
11.26	Grab Bars Are one of the following three grab bar configurations provided.	N/A		ADAABAG See Chapter 6	
11.27	Vertical Grab Bar If the shower head is mounted on a post, is a vertical grab bar provided under the shower head that starts a maximum of 33" above the floor and extends to within at least 3" of the shower head?	N/A		ADAABAG Section 607.6	
11.28	Circular Grab Bar If the shower head is mounted on a post, is a grab bar that surrounds the usable part of the post provided at a height between 33" and 36" above the floor?	N/A		ADAABAG Section 608.3, 609.4	
11.29	Horizontal Grab Bar Is a horizontal grab bar extending 18" minimum in both directions from the center line of the shower head provided at a height between 33" and 36" above the floor?	N/A		ADAABAG Section 608.3, 609.4	
11.30	Controls Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.19.2.6	
11.31	Controls Are the controls at a height between 15" and 48" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.19.2	
11.32	Controls - Operation Can the controls be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.19.2.6	
11.33	Controls - Operating Force Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.19.2.6	
11.34	Controls - Self-Closing If self-closing controls are used, do the controls remain open for a least 10 seconds?	N/A		Outdoor Developed Areas Report 16.19.2.6	

**12. Outdoor Activities - Overlooks & Viewing Areas**

This checklist is to be used to evaluate overlooks and viewing areas.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
12.1	Accessible Viewing Areas - Number If the viewing area is provided on a designated overlook, is the viewing area located on an outdoor recreation access route or a trail?	N/A		Outdoor Developed Areas Report 16.10.1		
12.2	Accessible Viewing Areas - Multiple Areas If multiple viewing areas are provided, is a minimum of one of each viewing opportunity for distinct points of interest accessible?	N/A		Outdoor Developed Areas Report 16.10.1		
12.3	Accessible Viewing Areas - Number If no accessible viewing area is provided, does one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.10.1		
12.4	Maneuvering Space Does the viewing area have at least one maneuvering space of 60" in diameter provided or is there a T-shaped space? [See Figure 3(b)]	N/A		Outdoor Developed Areas Report 16.10.2		
12.5	Unrestricted Viewing Opportunities Does each location that provides viewing opportunities for distinct points of interest provide at least one unrestricted viewing opportunity for each distinct point of interest (accommodating eye levels between 32" and 51")?	N/A		Outdoor Developed Areas Report 16.10.3		
12.6	Unrestricted Viewing Opportunities If each location that provides viewing opportunities for distinct points of interest does not provide at least one unrestricted viewing opportunity for each distinct point of interest, does one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.10.3		

12.7	<b>Maneuvering Space - Slope</b> Does the maneuvering space provided have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.10.4	
12.8	<b>Maneuvering Space - Slope</b> If the slope of the maneuvering space is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.10.4	
12.9	<b>Maneuvering Space - Surface</b> Is the maneuvering space firm and stable?	N/A		Outdoor Developed Areas Report 16.10.5	
12.10	<b>Maneuvering Space - Surface</b> If the maneuvering space is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.10.5	

**13. Outdoor Activities - Picnic Elements (Fixed)**

This checklist shall be used to evaluate individual fixed picnic tables and clustered fixed picnic tables.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
13.1	<b>Single Picnic Table - Minimum Number</b> If one fixed picnic table is associated with the picnic area, is it accessible?	N/A		Outdoor Developed Areas Report 16.5.1		
13.2	<b>Single Picnic Table - Accessible Route</b> If one fixed picnic table is associated with the picnic area, is the table on or adjacent to an outdoor recreation access route?	N/A		Outdoor Developed Areas Report 16.5.1.1		
13.3	<b>Multiple Picnic Tables - Minimum Number</b> If multiple fixed picnic tables are associated with the picnic area, are at least 50% , but not less than two, accessible?	N/A		Outdoor Developed Areas Report 16.5.1.2		
13.4	<b>Multiple Picnic Tables - Accessible Route Connection</b> If multiple fixed picnic tables are associated with the picnic area, are at least 40%, but not less than two, of the accessible tables on or adjacent to an outdoor recreation access route?	N/A		Outdoor Developed Areas Report 16.5.1.2		
13.5	<b>Accessible Picnic Table - Wheelchair Seating Spaces</b> Does the accessible picnic table have the appropriate number of wheelchair seating spaces as defined by Table 16.5.3?	N/A		Outdoor Developed Areas Report 16.5.3		
13.6	<b>Accessible Picnic Table - Knee Space</b> Are the wheelchair seating knee spaces a minimum of 27" high, 30" wide and 19" deep?	N/A		Outdoor Developed Areas Report 16.5.4		
13.7	<b>Accessible Picnic Table - Toe Clearance</b> Is toe clearance that is a minimum of 9" high and extends an additional 5" minimum from the knee clearance provided?	N/A		Outdoor Developed Areas Report 16.5.4		
13.8	<b>Accessible Picnic Table - Clear Floor or</b> Is a 30" X 48" clear ground space provided for each required accessible wheelchair space?	N/A		Outdoor Developed Areas Report 16.5.4		
13.9	<b>Accessible Picnic Table - Table Clearance</b> Is a 36" clear ground space surrounding the usable portion of the table provided (measured from the seat)?	N/A		Outdoor Developed Areas Report 16.5.5		
13.10	<b>Accessible Picnic Table - Surface</b> Is the surface of the area below and surrounding the picnic table firm and stable?	N/A		Outdoor Developed Areas Report 16.5.6		
13.11	<b>Accessible Picnic Table - Surface</b> If the surface below and surrounding the picnic table is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.6		
13.12	<b>Accessible Picnic Table - Slope</b> Does the area below and surrounding the picnic table have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.5.7		
13.13	<b>Accessible Picnic Table - Slope</b> If the slope of the area below and surrounding the picnic table is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.5.7		

**14. Outdoor Activities - Pit Toilets (Fixed)**

Use this checklist to evaluate fixed pit toilets.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
14.1	<b>Accessible Route</b> Is the accessible fixed pit toilet along an outdoor recreation route or along an exterior accessible route?	N/A		Outdoor Developed Areas Report 16.3, 4.3.2		
14.2	<b>Clear Floor Space</b> Is clear floor space 48" X 66" or 48" X 56" or 60" X 56", depending on approach, provided in the Pit Toilet? [See Figure 28]	N/A		ADAAG 16.15.2, 4.16.2		
14.3	<b>Clear Floor Space</b> If clear floor space as required by Figure 28 is not provided, does one of the conditions in 16.1.1 apply and is the space a minimum of 48" X 48"?	N/A		ADAAG 16.15.2		
14.4	<b>Height</b> Is the height of the pit toilet between 17" and 19" measured to the top of the toilet seat?	N/A		ADAAG 16.15.3, 4.16.3		
14.5	<b>Slope</b> Does the clear space have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.15.4		
14.6	<b>Slope</b> If the slope of the clear space is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.15.4		

14.7	Grab Bars Do the grab bars in the pit toilet comply with Outdoor Developed Areas Report 16.15.5 and is the grab bar behind the toilet a minimum of 36"?	N/A		Outdoor Developed Areas Report 16.15.5	
14.8	Clear Floor Space - Surface Is the clear floor space stable and firm?	N/A		Outdoor Developed Areas Report 16.15.6	
14.9	Clear Floor Space - Surface If the clear floor space is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.15.6	

### 15. Outdoor Activities - Sports Facilities

Use this checklist to evaluate sports facilities including exercise rooms, bowling alleys and shooting facilities. Other types of facilities, such as fitness centers, aerobic and martial arts studios, roller and ice skating facilities and courts for sports (e.g. handball, basketball, tennis, racquetball, volleyball), field sports (e.g., baseball, lacrosse, soccer, track, softball, football, rugby) and gymnastics are to provide features of access. ADAAG Design Guidelines for buildings and facilities - critical elements include on or along an accessible route of travel and access to team/spectator seating areas. There are exceptions and definitions provided in "Notice of Proposed Rulemaking" Recreation Facilities, July 9, 1999 Section 15.7 Sports Facilities.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
15.1	Exercise Equipment and Machines - Accessible Route Is at least one of each type of exercise equipment and machine served by an accessible route?	N/A		ADAABAG Section 206.2.13		
15.2	Exercise Equipment and Machines - Clear Floor Space Is at least one of each type of exercise equipment and machine provided with a minimum clear floor space of 30" X 48"?	N/A		ADAABAG Section 1004.1		
15.3	Exercise Equipment and Machines - Clear Floor Space Is clear floor space positioned for transfer or for use by an individual seated in a wheelchair?	N/A		ADAABAG Section 1004.1		
15.4	Bowling Lanes If provided, is at least 5%, but not less than one lane of each type, accessible?	N/A		ADAABAG Section 206.2.11		
15.5	Shooting Facilities - Fixed Firing Position - Accessible Do at least 5%, but not less than one, of each type of firing position contain a turning circle with a clear space of 60" diameter or a T-shaped space to allow for a 180 degree turn in a wheelchair? [See Figure 3]	N/A		ADAABAG Section 243.1, 1010.1		
15.6	Shooting Facilities - Fixed Firing Position - Slope Does the accessible fixed firing position have a maximum slope of 1:48 in all directions?	N/A		ADAABAG Section 243.1, 1010.1		

### 16. Outdoor Activities - Storage Facilities (For Mobility Devices)

Use this checklist to evaluate storage facilities when individuals using wheelchairs or other individual mobility devices transfer from one individual mobility device to another individual mobility device and need using.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
16.1	Accessible Route Is the accessible storage facility connected by an outdoor recreation access route?	N/A		Outdoor Developed Areas Report 16.14.1		
16.2	Minimum Number When storage facilities are provided, is at least one accessible?	N/A		Outdoor Developed Areas Report 16.14.1		
16.3	Size Is the storage facility at least 38" high, 28" wide and 40" long?	N/A		Outdoor Developed Areas Report 16.4.2		
16.4	Clear Floor Space Is there a clear floor space of 30" x 48" in front of the storage facility to allow a forward or parallel approach? [See Figures 4a, 4b and 4c]	N/A		Outdoor Developed Areas Report 16.14.3		
16.5	Clear Floor Space - Surface Is the clear space area firm and stable?	N/A		Outdoor Developed Areas Report 16.14.4		
16.6	Clear Floor Space - Surface If the clear space is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.14.4		
16.7	Clear Floor Space - Slope Does the clear space have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.9.5		
16.8	Controls/Operating Mechanisms Are the controls/operating mechanisms at a height between 15" and 48" for forward approach and between 9" and 54" for parallel approach above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.14.6		
16.9	Controls/Operating Mechanisms Can the controls/operating mechanisms be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.14.6		
16.10	Controls/Operating Mechanisms Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.14.6		

### 17. Outdoor Activities - Swimming Pools, Wading Pools, Spas

Use this checklist to evaluate public and common use swimming pools, wading pools and spas. If there are associated shower rooms (13), lockers (19) or dressing rooms (8), use the appropriate checklist for each wading pool and spa checklist.

There are 5 types of access into the water: pool lifts, sloped entries, transfer walls, transfer systems and steps/platforms. Evaluate those provided and select N/A for others.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
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17.1	Swimming Pool, Spa or Wading Pool - Accessible Route Is the swimming pool, spa or wading pool located along an accessible route?	N/A	ADAABAG Section 402. 1009	
17.2	Swimming Pools - Accessible Entry If the swimming pool has a wall 300' or more, are at least two accessible means of entry provided with the primary means either a lift or sloped entry and the secondary means different from the primary means and one of the following: lift, sloped	N/A	ADAABAG Section F242	
17.3	Swimming Pools - Accessible Entry If the swimming pool has less than 300 linear feet or more of swimming pool wall, is at least one accessible means of entry provided with the primary means either a lift or a sloped entry as defined below?	N/A	ADAABAG Section F242.2 Exception 1	
17.4	Wave Action Pools, Leisura Rivers, Sand Bottom Pools- Accessible Entry If it is a wave action pool, leisure river or sand bottom pool, is at least 1 accessible means of entry provided?	N/A	ADAABAG Section F242.2 Exception 2	
17.5	Wading Pools- Accessible Entry Does to wading pool provide a sloped entry complying with 1009.3?	N/A	ADAABAG Section F224.3	
17.6	Swimming Pool Lifts- Location If provided, is the lift located where the water level does not exceed 48"? Note: exceptions may apply.	N/A	ADAABAG Section 1009.2.1	
17.7	Swimming Pool Lifts - Seat Location In the raised position, is the centerline of the seat located over the deck and a minimum of 16" from the edge of the pool? [See Figure 1009.2.2]	N/A	ADAABAG Section 1009.2.2	
17.8	Swimming Pool Lifts - Clear Deck Space On the side of the seat opposite the water, is a clear deck space provided parallel to the seat that has a minimum width of 36" and extends forward a minimum of 48" from a line located 12" behind the rear edge of the seat, and does the clear deck space	N/A	ADAABAG Section 1009.2.3	
17.9	Swimming Pool Lifts - Seat Height Is the height of the lift seat between 16" and 19" measured from the deck to the top of the seat surface when in the raised (load) position? [See Figure 1009.2.4]	N/A	ADAABAG Section 1009.2.4	
17.10	Swimming Pool Lifts - Seat Width Is the seat a minimum of 16" wide?	N/A	ADAABAG Section 1009.2.5	
17.11	Swimming Pool Lifts - Footrests Are footrests provided that move with the seat? Note: Exception- footrests are not required at spas (1009.2.6).	N/A	ADAABAG Section 1009.2.6	
17.12	Swimming Pool Lifts - Armrests If provided, are armrests positioned opposite the water removable or can they fold clear of the seat when the seat is in the raised (load) position?	N/A	ADAABAG Section 1009.2.6	
17.13	Swimming Pool Lifts - Operation Is the lift capable of unassisted operation from both the deck and water levels?	N/A	ADAABAG Section 1009.2.7	
17.14	Swimming Pool Lifts - Operation Are the controls and operating mechanisms unobstructed when the lift is in use?	N/A	ADAABAG Section 1009.2.7	
17.15	Swimming Pool Lifts - Operation - Controls Are controls and operating mechanisms operable with one hand and do not require tight grasping, pinching, or twisting of the wrist?	N/A	ADAABAG Section 1009.2.7.	
17.16	Swimming Pool Lifts - Submerged Depth Is the lift designed so that the seat will submerge to a minimum water depth of 18"? [See Figure 1009.2.8]	N/A	ADAABAG Section 1009.2.8	
17.17	Swimming Pool Lifts - Lifting Capacity Does the lift have a minimum weight capacity of 300 lbs?	N/A	ADAABAG Section 1009.2.9	
17.18	Swimming Pool Lifts - Lifting Capacity Is the lift capable of sustaining a static load of at least 1 1/2 times the rated load?	N/A	ADAABAG Section 1009.2.9	
17.19	Sloped Entries - Width Is the width of the sloped entry 36" minimum?	N/A	ADAABAG Section 1009.3.1. 403.5.1	
17.20	Sloped Entries - Changes in Level Are any changes in level on the sloped entry between 1/4" and 1/2" beveled with a slope no greater than 1:2?	N/A	ADAABAG Section 303.2	
17.21	Sloped Entries - Cross Slope Is the cross slope of the sloped entry a maximum of 1:48?	N/A	ADAABAG Section 403.3	
17.22	Sloped Entries - Maximum Slope and Rise Is the maximum slope of the entry 1:12 and the maximum rise 30"? [See Chart 405.2]	N/A	ADAABAG Section 405	
17.23	Sloped Entries - Landings Are level landings provided at the top and bottom of each sloped entry that are at least as wide as the sloped entry and a minimum length of 60"? [See Figure 405.7]	N/A	ADAABAG Section 405.7	
17.24	Sloped Entries - Landings If a landing is required, is at least one landing located between 24" and 30" below the stationary water level? [See Figure 1009.3.2]	N/A	ADAABAG Section 1009.3.2	
17.25	Sloped Entries - Submerged Depth If the sloped entry is designed to provide access into the water, does it extend to a depth of 24" - 30" below the stationary water level? [See Figure 1009.3.2]	N/A	ADAABAG Section 1009.3.2	
17.26	Sloped Entries - Handrails Are handrails provided on both sides of the sloped entry that comply with 505? (Refer to checklist code 1022 ramps) Note: Exception - handrails are not required on sloped entry in wading pools (1009.3.3 Exception 3)	N/A	ADAABAG Section 1009.3.3	
17.27	Sloped Entries - Handrails Is the clear width between the handrails between 33" and 38"?	N/A	ADAABAG Section 1009.3.3	
17.28	Transfer Walls - Clear Deck Space Is a clear deck space a minimum of 60" X 60" with a slope not steeper than 1:48 provided at the base of the transfer wall? [See Figure 1009.4.1]	N/A	ADAABAG Section 1009.4.1	

17.29	Transfer Walls - Clear Deck Space If one grab bar is provided, is the clear deck space centered on the grab bar? [See Figure 1009.4.1]	N/A	ADAABAG Section 1009.4.1
17.30	Transfer Walls - Clear Deck Space If two grab bars are provided, is the clear deck space centered on the clearance between the grab bars? [See Figure 1009.4.1]	N/A	ADAABAG Section 1009.4.1
17.31	Transfer Walls - Height Is the height of the transfer wall between 16" and 19" measured from the deck? [See Figure 1009.4.2]	N/A	ADAABAG Section 1009.4.2
17.32	Transfer Walls - Depth Is the depth of the transfer wall between 12" and 16"? [See Figure 1009.4.3]	N/A	ADAABAG Section 1009.4.3
17.33	Transfer Wall- Length Is the length of the transfer wall a minimum of 60" and centered on the clear deck space? [See Figure 1009.4.3]	N/A	ADAABAG Section 1009.4.3
17.34	Transfer Walls - Surface Is the surface of the transfer wall smooth with no sharp edges?	N/A	ADAABAG Section 1009.4.4
17.35	Transfer Walls - Grab Bars Is at least one grab bar provided on the transfer wall? [See Figure 1009.4.5]	N/A	ADAABAG Section 1009.4.5
17.36	Transfer Walls - Grab Bars Are the transfer wall grab bars perpendicular to the pool wall and do they extend the full depth of the wall? [See Figure 1009.4.5]	N/A	ADAABAG Section 1009.4.5
17.37	Transfer Walls - Grab Bars Is the top of the gripping surface of the grab bar a minimum of 4" and a maximum of 6" above the transfer wall? [See Figure 1009.4.5]	N/A	ADAABAG Section 1009.4.5
17.38	Transfer Walls - Grab Bars If one grab bar is provided, is clearance on both sides of the grab bar a minimum of 24"? [See Figure 1009.4.5]	N/A	ADAABAG Section 1009.4.5
17.39	Transfer Walls - Grab Bars If two grab bars are provided, is clearance between the grab bars a minimum of 24"? [Figure 1009.4.5]	N/A	ADAABAG Section 1009.4.5
17.40	Transfer Walls - Grab Bars Is the diameter or width of the gripping surface of the grab bar between 1 1/4" and 1 1/2"? [See Figure 609.2.2]	N/A	ADAABAG Section 609.2.1, 609.2.2.
17.41	Transfer Walls - Grab Bars If the grab bars are mounted adjacent to a wall, is the space between the wall and grab bar 1 1/2"? [See Figure 609.3]	N/A	ADAABAG Section 609.3, 1009.4.5
17.42	Transfer Walls - Grab Bars Are the grab bars capable of supporting application of 250 pounds?	N/A	ADAABAG Section 609.8, 1009.4.5
17.43	Transfer Walls - Grab Bars Are the grab bars secure in the fittings (no rotation)?	N/A	ADAABAG Section 609.6, 1009.4.5
17.44	Transfer Systems - Platform Is a transfer platform a minimum of 19" deep by 24" wide provided at the head of each transfer system? [See Figure 1009.5.1]	N/A	ADAABAG 1009.5.1
17.45	Transfer Systems - Clear Deck Space Is a clear deck space a minimum of 60" X 60" with a slope not steeper than 1:48 provided at the base of the transfer platform? [See Figure 1009.5.2]	N/A	ADAABAG 1009.5.2
17.46	Transfer Systems - Clear Deck Space Is the minimum clear deck space centered along a minimum 24" unobstructed side of the transfer platform? [See Figure 1009.5.2]	N/A	ADAABAG 1009.5.2
17.47	Transfer Systems - Height Is the height of the transfer platform between 16" and 19" when measured from the deck? [See Figure 1009.4.2]	N/A	ADAABAG 1009.5.3
17.48	Transfer Systems - Transfer Step Risers Is the maximum height of the step riser 8"? [See Figure 1009.5.4]	N/A	ADAABAG 1009.5.4
17.49	Transfer Systems - Transfer Step Risers Do the transfer step risers extend to a minimum water depth of 18"? [See Figure 1009.5.4]	N/A	ADAABAG 1009.5.4
17.50	Transfer Systems - Surface Is the surface of the transfer system smooth with no sharp edges?	N/A	ADAABAG 1009.5.5
17.51	Transfer Systems - Size Does each transfer step have a tread depth between 14" and 17" and a tread width a minimum of 24"? [See Figure 1009.5.6]	N/A	ADAABAG 1009.5.6
17.52	Transfer Systems - Grab Bars Is one grab bar provided on each step? [See Figure 1009.5.7]	N/A	ADAABAG 1009.5.7
17.53	Transfer Systems - Grab Bars Is the grab bar at the transfer platform mounted so that it does not obstruct transfer? [See Figure 1009.5.7]	N/A	ADAABAG 1009.5.7
17.54	Transfer Systems - Grab Bars Is the top of the gripping surface a minimum of 4" and a maximum of 6" above each step? [See Figure 1009.5.7]	N/A	ADAABAG 1009.5.7
17.55	Transfer Systems - Grab Bars Is the diameter or width of the gripping surface of the grab bar between 1 1/4" and 1 1/2"? [See Figure 609.2.3]	N/A	ADAABAG 609.2.1, 609.2.2, 1009.5.7
17.56	Transfer Systems - Grab Bars If the grab bars are mounted adjacent to a wall, is the space between the wall and grab bar 1 1/2"? [See Figure 609.2.3]	N/A	ADAABAG 609.2.3 1009.5.7
17.57	Transfer Systems - Grab Bars Are the grab bars capable of supporting application of 250 pounds?	N/A	ADAABAG 609.8, 1009.5.7
17.58	Transfer Systems - Grab Bars Are the grab bars secure in the fittings (no rotation)?	N/A	ADAABAG 609.6, 1009.5.7
17.59	Pool Stairs - Risers - Closed Are the risers of a "closed" design?	N/A	ADAABAG Section 1009.6, 504.3

17.60	Pool Stairs - Riser Height Do the stairs have uniform riser heights?	N/A		ADAABAG Section 1009.6, 504.2	
17.61	Pool Stairs - Riser Slope Are the risers sloped, or is the undersida of the nosing angled 30 degrees or more from the horizontal? [See Figure 504.5]	N/A		ADAABAG Section 1009.6, 504.5	
17.62	Pool Stairs - Tread Depth Are the stair treads a minimum of 11" deep, measured riser to riser?	N/A		ADAABAG Section 1009.6, 504.2	
17.63	Pool Stairs - Tread Radius Is the radius of curvature at the leading top edge of the tread 1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 1009.69, 504.5	
17.64	Pool Stairs - Tread - Beveled Nosings Are the undersides of nosings at stair treads beveled? [See Figure 504.5]	N/A		ADAABAG Section 1009.6, 504.5	
17.65	Pool Stairs - Nosing Projection Do the nosings project 1-1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 1009.6, 504.5	
17.66	Pool Stairs - Handrails - Two Sides Are there handrails on both sides of all stairs?	N/A		ADAABAG Section 1009.6, 504.6	
17.67	Pool Stairs - Handrails - Continuous Are the handrails continuous along both sides of the stairs?	N/A		ADAABAG Section 1009.6, 505.3	
17.68	Pool Stairs - Handrails - Gripping Surface Are the gripping surfaces continuous and unobstructed? [See Figure 505.6]	N/A		ADAABAG Section 1009.6, 505.6	
17.69	Pool Stairs - Handrail - Diameter Is the diameter or width of the gripping surface 1-1/4" to 1-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) [See Figure 505.7.2]	N/A		ADAABAG Section 1009.6, 505.7.1, 505.7.2	
17.70	Pool Stairs - Handrails - Secure Are the handrails secure in the fittings (no rotation)?	N/A		ADAABAG Section 1009.6, 505.9	
17.71	Pool Stairs - Handrails - Distance to Wall Is the clear space between the handrail and the wall or post 1-1/2" minimum? [See Figure 505.5]	N/A		ADAABAG Section 1009.6, 505.5	
17.72	Pool Stairs - Handrail - Height Is the top of the handrail gripping surface mounted between 34" and 38" above the stair nosings? [See Figure 505.4]	N/A		ADAABAG Section 1009.6, 505.4	
17.73	Pool Stairs - Handrails - Top Extension Do the handrails extend 12" beyond the top riser? [See Figure 505.10.1]	N/A		ADAABAG Section 1009.6, 505.10.1	
17.74	Pool Stairs - Handrails - Surrounding Surfaces Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 1009.6, 505.8	
17.75	Pool Stairs - Width Is the width between the handrails between 20" and 24"?	N/A		ADAABAG Section 1009.6.2	

**18. Outdoor Activities - Telescopes/Periscopes**  
Use this checklist to evaluate telescopes and periscopes.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
18.1	Accessible Route If a telescope(s) or periscope(s) is provided in an area, is it located along an outdoor recreation access route?	N/A		Outdoor Developed Areas Report 16.11.1.1		
18.2	Minimum Number Where telescopes or periscopes are provided in an area, are at least 20%, but not less than one accessible? Use the following criteria to define accessible.	N/A		Outdoor Developed Areas Report 16.11.1.1		
18.3	Minimum Number If only one telescope or periscope is provided in an area, is it accessible and is it usable from a standing position?	N/A		Outdoor Developed Areas Report 16.11.1.1		
18.4	Controls Are the controls at a height between 15" and 48" for front approach or between 9" and 54" for parallel approach above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.11.2		
18.5	Controls Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.11.2		
18.6	Controls Is the clear space area provided to allow forward or parallel approach for operation of the controls?	N/A		Outdoor Developed Areas Report 16.11.2		
18.7	Controls Can the controls be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.11.2		
18.8	Controls Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.11.2		
18.9	Eya Piece Is the eye piece usable from the seated position for viewing each point of interest? No specific dimensions in guidelines - recommend ~48".	N/A		Outdoor Developed Areas Report 16.11.3		
18.10	Slope Does the clear space provided for the controls have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.11.5		

18.11	Surface Is the clear space provided for use of the controls firm and stable?	N/A		Outdoor Developed Areas Report 16.11.4		
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**19. Outdoor Activities - Trails**

Use this checklist to evaluate trail segments that are at least 500' in length or segments that are less than 500' but connect a prominent feature to the trailhead. Do not use this checklist for trail segments that a combination of running slope and cross slope exceeds 40% for over 20', a trail obstacle 30" or more in height is across the full tread width of the trail, the surface of the trail is neither firm nor stable for a distance less than 12' for a distance of 20' or more. In addition, do not use this checklist if one or more of the conditions in 16.1.1 are met resulting in departures from the technical provisions of this checklist for the trail.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
19.1	Trail - Surface Is the surface of the trail firm and stable?	N/A		Outdoor Developed Areas Report 16.2.1		
19.2	Trail - Surface If the surface of the trail is not firm and stable, does at least one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.1		
19.3	Trail - Clear Tread Width Is the clear tread width of the trail a minimum of 36"?	N/A		Outdoor Developed Areas Report 16.2.2		
19.4	Trail - Clear Tread Width If the clear tread width of the trail is not a minimum of 36", is it a minimum of 32" and does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.2		
19.5	Trail - Openings Are all openings found in the surface of the trail of a size that does not permit passage of a 1/2" diameter sphere?	N/A		Outdoor Developed Areas Report 16.2.3		
19.6	Trail - Openings Are elongated openings placed so that the long dimension is perpendicular or diagonal to the dominant direction of travel?	N/A		Outdoor Developed Areas Report 16.2.3		
19.7	Trail - Openings If elongated openings are parallel to the dominant direction of travel, is the opening of a size that does not permit passage of a 1/4" diameter sphere?	N/A		Outdoor Developed Areas Report 16.2.3		
19.8	Trail - Openings If openings are of a size that does not permit passage of a 3/4" diameter sphere, does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.3		
19.9	Trail - Protruding Objects Do objects that protrude into the route with their leading edges between 27" and 80" above the ground protrude no more than 4" into the route? [See Figure 8(a)].	N/A		Outdoor Developed Areas Report 16.2.4, 4.4.1		
19.10	Trail - Protruding Objects Do free-standing objects mounted on posts or pylons overhang a maximum of 12" from 27" to 80" above the ground? [See Figure 8(c) and (d)].	N/A		Outdoor Developed Areas Report 16.2.4, 4.4		
19.11	Trail - Protruding Objects In the areas where protruding objects occur, is the clear width of the route still a minimum of 32"?	N/A		Outdoor Developed Areas Report 16.2.4, 4.4		
19.12	Trail - Head Room Does the Trail maintain an 80" minimum clear headroom along the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report 16.2.4, 4.4		
19.13	Trail - Head Room If the trail does not maintain an 80" minimum clear headroom along the route, is a barrier to warn blind or visually impaired person provided? [See Figure 8(c-1)]	N/A		Outdoor Developed Areas Report 16.2.4, 4.4		
19.14	Trail - Tread Obstacles Where obstacles exist on the trail, are they a maximum of 2" high?	N/A		Outdoor Developed Areas Report 16.2.5		
19.15	Trail - Tread Obstacles If an obstacle exists on the trail and it is higher than 2", is it 3" or less and are the running and cross slopes 1:20 or less?	N/A		Outdoor Developed Areas Report 16.2.5		
19.16	Trail - Tread Obstacles If an obstacle is greater than 3", does at least one of the four conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.5		
19.17	Trail - Passing Space Where the clear tread width of the route is less than 60", are passing spaces provided at intervals of 1000' maximum? (60" X 60" or intersection of two walking surfaces that provide a T-shaped space complying with Outdoor Developed Areas Report 16.2.6	N/A		Outdoor Developed Areas Report 16.2.6		
19.18	Trail - Passing Space If passing spaces are not provided at intervals of 1000', does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.6		
19.19	Trail - Cross Slope Is the cross slope of the trail a maximum of 1:20?	N/A		Outdoor Developed Areas Report 16.2.7.1		
19.20	Trail - Running Slope Does no more than 33% of the total trail length exceed a running slope of 1:12?	N/A		Outdoor Developed Areas Report 16.2.7.2		
19.21	Trail - Running Slope Is the running slope of the route a maximum of 1:20?	N/A		Outdoor Developed Areas Report 16.2.7.2.1		
19.22	Trail - Running Slope If the running slope is 1:12, is it at this slope for a maximum of 200' and are resting intervals provided at distances no greater than 200'?	N/A		Outdoor Developed Areas Report 16.2.7.2.2		
19.23	Trail - Running Slope If the running slope is 1:10, is it at this slope for a maximum of 30' and are resting intervals provided at distances no greater than 30'?	N/A		Outdoor Developed Areas Report 16.2.7.2.3		

19.24	Trail - Running Slope If the running slope is 1:8, is it at this slope for a maximum of 10' and are resting intervals provided at distances no greater than 10'?	N/A		Outdoor Developed Areas Report 16.2.7.2.4	
19.25	Trail - Cross Slope - Open Drainage Structures Do open drainage structures have a maximum running slope of 14% for a maximum distance of 5' with a maximum cross slope of 1:20?	N/A		Outdoor Developed Areas Report 16.2.7	
19.26	Trail - Cross Slope - Open Drain Is the maximum cross slope at the bottom of the open drain 1:10 where clear tread width is 42" minimum?	N/A		Outdoor Developed Areas Report 16.2.7	
19.27	Trail - Slope Where the maximum slopes are exceeded, does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.7	
19.28	Trail - Resting Intervals If a resting interval is provided, is the area a minimum of 60" in length and at least as wide as the widest portion of the trail segment leading to the resting interval?	N/A		Outdoor Developed Areas Report 16.2.8	
19.29	Trail - Resting Intervals If a resting interval is not provided, does at least one of the conditions in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.2.8	
19.30	Trail - Edge Protection If provided, is the edge protection a minimum of 3'?	N/A		Outdoor Developed Areas Report 16.2.9	
19.31	Trail - Signs Are all trails complying with this checklist marked with a symbol at the trail head and all designated access points? Do the signs include the total distance of the accessible segment and the location of the first point of departure from the technical provisions?	N/A		Outdoor Developed Areas Report 16.2.10	

### 20. Outdoor Activities - Trash Receptacles (Fixed)

This checklist shall be used to evaluate fixed outdoor trash containers and recycling containers.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
20.1	Trash/Recycling Container - Accessible Route Connection Are the trash/recycling containers connected to or along an outdoor recreation access route? Exception: If the containers are part of a multi-bin location, 50% are exempt from this access requirement.	N/A		Outdoor Developed Areas Report 16.8.1		
20.2	Trash/Recycling Container - Clear Floor Space Is a clear floor or ground space extending a minimum of 48" in depth from the container with a 30" minimum width provided?	N/A		Outdoor Developed Areas Report 16.8.2		
20.3	Trash/Recycling Container - Clear Floor Space Surface Is the clear ground surface at the containers firm and stable? Exception: The firm and stable requirement is not required if one of the four conditions specified in 16.1.1 apply.	N/A		Outdoor Developed Areas Report 16.8.3		
20.4	Trash/Recycling Container - Clear Floor Space Slope Does the clear space required for the containers have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33	N/A		Outdoor Developed Areas Report 16.8.4		
20.5	Trash/Recycling Container - Clear Floor Space Slope If the slope of the clear space surrounding the container is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.8.4		
20.6	Trash/Recycling Container - Controls/Operating Mechanisms - Height Are the operating mechanisms for the containers at a height between 15" and 48" above the ground if allowing for a forward approach?	N/A		Outdoor Developed Areas Report 16.8.5		
20.7	Trash/Recycling Container - Controls/Operating Mechanisms - Height Are the operating mechanisms for the containers at a height between 9" and 64" above the ground if a side approach is provided?	N/A		Outdoor Developed Areas Report 16.8.5		
20.8	Trash/Recycling Container - Controls/Operating Mechanisms - Use Are the operating mechanisms usable without the use of a tight grasp, pinching or twisting? Exception: If the containers are designed for large animal exclusion (bear) or hinged lids, this requirement does not	N/A		Outdoor Developed Areas Report 16.8.5		
20.9	Trash/Recycling Container - Controls/Operating Mechanisms - Force Is the force required to open or use the container no greater than 5 pounds-force? Exception: If the containers are designed for large animal exclusion (bear) or hinged, this requirement does not apply.	N/A		Outdoor Developed Areas Report 16.8.5		

### 21. Outdoor Activities - Utility Sinks

Use the following checklist to evaluate outdoor utility sinks.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
21.1	Accessible Route If utility sinks are provided, are they along an outdoor recreation access route?	N/A		Outdoor Developed Areas Report 16.13.1		
21.2	Minimum Number If utility sinks are provided, are at least 5%, but not less than one of each type provided?	N/A		Outdoor Developed Areas Report 16.13.1		
21.3	Clear Floor Space At the utility sink is a clear floor or ground space of 30" x 48" provided? [See Figure 45]	N/A		Outdoor Developed Areas Report 16.13.2		
21.4	Slope Does the 30" X 48" clear space required for the utility have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.13.3		
21.5	Clear Floor Space Is the clear floor surface provided firm and stable?	N/A		Outdoor Developed Areas Report 16.13.4		

21.6	<b>Height</b> Is the counter or rim a maximum of 34" above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.13.5	
21.7	<b>Depth</b> Is the bottom of the bowl 15" minimum above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.13.6	
21.8	<b>Controls</b> Are the controls located between 15" and 48" for a forward approach and 9" and 54" for a side approach above the ground?	N/A		Outdoor Developed Areas Report 16.13.7	
21.9	<b>Controls - Operating Force</b> Is the force required to activate controls no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.13.7	
21.10	<b>Controls - Operation</b> Can the controls be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.13.7	

**22. Outdoor Activities - Warming Huts**

Use this checklist to evaluate warming huts. If the warming hut provides amenities covered by Section 16, evaluate the appropriate components using the proper checklist.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
22.1	<b>Turning Space</b> Does the warming hut provide a minimum space of a 60" diameter or a T-shaped space for wheelchair maneuvering? [See Figure 39(a) and (b)]	N/A		Outdoor Developed Areas Report 16.18		

**23. Outdoor Activities - Wood Stoves/Fireplaces**

This checklist shall be used to evaluate permanently installed wood stoves or fireplaces.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
23.1	<b>Wood Stoves and Fireplaces - Accessible Route</b> Is the fireplace and/or wood stove connected by an outdoor recreation access route? (16.3)	N/A		Outdoor Developed Areas Report 16.9.1		
23.2	<b>Wood Stoves and Fireplaces - Clear Floor or Ground Space</b> Are all usable portions of the wood stove or fireplace provided with a clear floor or ground space with a minimum depth of 48" measured from the wood stove and minimum of 48" wide?	N/A		Outdoor Developed Areas Report 16.9.2		
23.3	<b>Wood Stoves and Fireplaces - Clear Floor or Ground Space</b> If the appropriate amount of clear floor or ground space is not provided, does one of the four conditions specified in 16.1.1 apply and is the minimum depth at least 36"?	N/A		Outdoor Developed Areas Report 16.9.2		
23.4	<b>Wood Stoves and Fireplaces - Controls</b> Are the controls at a height between 15" and 48" for forward approach and between 9" and 54" for parallel approach above the ground or floor surface?	N/A		Outdoor Developed Areas Report 16.9.3		
23.5	<b>Wood Stoves and Fireplaces - Controls</b> Is clear floor space of 30" X 48" centered on the controls provided?	N/A		Outdoor Developed Areas Report 16.9.3		
23.6	<b>Controls</b> Can the controls for the fireplace or wood stove be operated with one hand without tight grasping, pinching or twisting of the wrist?	N/A		Outdoor Developed Areas Report 16.9.3		
23.7	<b>Controls</b> Is the force required to activate controls for the fireplace or wood stove no greater than 5 pound-force?	N/A		Outdoor Developed Areas Report 16.9.3		
23.8	<b>Wood Stoves and Fireplaces - Controls</b> Is the clear space area provided to allow forward or parallel approach for operation of the controls?	N/A		Outdoor Developed Areas Report 16.9.3		
23.9	<b>Wood Stoves and Fireplaces - Slope</b> Does the clear space around the stove or fireplace have a slope that is less than 1:50 in any direction? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.9.4		
23.10	<b>Wood Stoves and Fireplaces - Slope</b> If the slope of the clear space surrounding the wood stove or fireplace is less than the required amount, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.9.4		
23.11	<b>Wood Stoves and Fireplaces - Surface</b> Is the clear space area surrounding the wood stove or fireplace firm and stable?	N/A		Outdoor Developed Areas Report 16.9.5		
23.12	<b>Wood Stoves and Fireplaces - Surface</b> If the clear space surrounding the wood stove or fireplace is not firm and stable, does one of the four conditions specified in 16.1.1 apply?	N/A		Outdoor Developed Areas Report 16.9.5		

**24. Site Access - Curb Cuts**

Use this checklist to evaluate curb cuts and curb ramps along accessible routes. A curb cut is an integral part of a walk - part of an original design. Curb ramps are often added after and may protrude into a ramp and may be a different material than the walkway.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
24.1	<b>Curbs/Ramps - Provided - Accessible Route Crossing</b> Are curb ramps provided where the accessible route crosses a curb?	Yes		ADAABAG Section 402		
24.2	<b>Curbs/Ramps - Slope - Maximum</b> Does the curb ramp have a maximum running slope of 1:12 (8.33%)? (Note: Curb ramps can have a slope between 1:10 and 1:12 for a maximum 6" rise or between 1:8 and 1:10 for a maximum 3" rise.)	Yes		ADAABAG Section 406.1, 405.2		

24.3	Curbs/Ramps - Transition - No Abrupt Changes Is the transition from the curb ramp to the walk, gutter or street, flush and free of abrupt changes? [See Figure 406.2]	Yes		ADAABAG Section 406.2		
24.4	Curbs/Ramps - Adjoining - Slope Is the maximum slope of adjoining gutters, road surfaces or walks 1:20 in all directions? [See Figure 406.2]	Yes		ADAABAG Section 406.2		
24.5	Curbs/Ramps - Width - Minimum Is the minimum width of the curb ramp 36"? (Not including flared sides)	Yes		ADAABAG Section 405.5		
24.6	Curbs/Ramps - Surface - Stable, Firm, Slip-Resistant Is the surface stable, firm and slip-resistant?	Yes		ADAABAG Section 302.1		
24.7	Curbs/Ramps - Flared Sides - Maximum Slope [See Figure 406.3]	Yes		ADAABAG Section 406.3		
24.8	Curbs/Ramps - Parked Vehicles - Obstructions Is the curb ramp located so it cannot be obstructed by parked vehicles?	No	Critical	ADAABAG Section 406.5	One curb cut at the RV parking stalls and two at the commercial bus parking are obstructed by parked vehicles	Out-of-scope
24.9	Curbs/Ramps - Location at Marked Crossing - Contained If the curb ramp is at a marked crossing, is it wholly contained within the markings, not including any flared sides?	No	Serious	NPS Best Practices	One RV parking stall marked striping is not aligned and does not contain ramp curb, two commercial bus stalls do not have marked striping to curb ramp	In-scope
24.10	Curbs/Ramps - Diagonal - Returned Sides If diagonal curb ramps are provided with returned curbs or other well defined edges, are the edges parallel to the pedestrian flow/crosswalk? [See Figure 406.6]	N/A		ADAABAG Section 406.6		
24.11	Curbs/Ramps - Diagonal - Marked Crossing Is the marked crossing a minimum 48" wide at the bottom of the diagonal curb ramp? [See Figure 406.6]	No	Serious	ADAABAG Section 406.6	Striping does not align with 1 curb ramp (West RV parking stall) and is not present at 3 curb ramps (1 RV and 2 commercial bus parking stalls)	In-scope
24.12	Curbs/Ramps - Diagonal - Minimum Width If there is a diagonal curb ramp, is it a minimum 48" wide? [See Figure 406.6]	N/A		ADAABAG Section 406.6		
24.13	Curbs/Ramps - Diagonal - Straight Segment If the diagonal curb ramp has flared sides, is there a minimum 24" long segment of straight curb parallel to the street on each side of the curb ramp and also within the marked crossing? [See Figure 406.6]	N/A		ADAABAG Section 406.6		
24.14	Curbs/Ramps - Traffic Island - Cuts If there are raised islands in a crossing, are they cut through level with the street or are there curb ramps at both sides and a level area between the ramps at least 48" long? [See Figure 406.7]	N/A		ADAABAG Section 406.7		

**25. Site Access - Exterior Accessible Route**

This checklist is to be used to evaluate exterior accessible routes to buildings from public transportation stops, accessible parking spaces, passenger loading zones, and public streets or sidewalks, to the accessible entrance they serve. The accessible route is to coincide with the route for the general public to the maximum extent feasible. Do not use this checklist to evaluate "outdoor recreation access routes" (109) or "1

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
25.1	Exterior Route - From Transit Stop Within the boundary of the site, is there at least one accessible route to the accessible building/facility entrance from the public transit stop (if provided)?	N/A		ADAABAG Section F206.2.1, 402, 403		
25.2	Exterior Route - From Accessible Parking Within the boundary of the site, is there at least one accessible route between the accessible parking spaces and the accessible building/facility entrance?	Yes		ADAABAG Section F206.2.1, 402, 403		
25.3	Exterior Route - From Loading Zone Within the boundary of the site, is there at least one accessible route to the accessible building/facility entrance from the loading zone (if provided)?	No	Serious	ADAABAG Section F206.2.1, 402, 403	No curb cut ramp at designated loading zone. It is possible to use the main plaza crossing area where no curbs exist for passenger drop-off.	Out-of-scope
25.4	Exterior Route - From Public Sidewalk Within the boundary of the site, is there at least one accessible route to the accessible building/facility entrance from the public sidewalk (if provided)?	Yes		ADAABAG Section F206.2.1, 402, 403		
25.5	Exterior Route - Accessible Connection Between Facilities At this site, is there at least one accessible route that connects all building entrances, facilities, elements and spaces?	Yes		ADAABAG Section F206.2.1, 402, 403		
25.6	Exterior Route - Entrance - Directional Signage If all entrances are not accessible, is there directional signage at the inaccessible entrances indicating the routes to the nearest accessible entrance?	N/A		ADAABAG Section F216.6		
25.7	Exterior Route - Width Is the minimum width of the accessible route no less than 36"? [See Figure 403.5.1]	Yes		ADAABAG 403.5.1		
25.8	Exterior Route - Wheelchair Passage Width - 32" for Maximum of 24" If the route is reduced from 36" to no less than 32" wide, is that portion of the route a maximum length of 24"?	N/A		ADAABAG Section 403.5.1 Exception		
25.9	Exterior Route - Edge Protection If the route has a drop-off, is there a curb, wall or railing, or does the ramp extend past the handrails a minimum of 12" to prevent people from slipping/rolling off the route? [See Figures 405.9.1, 405.9.2]	N/A		ADAABAG Section 405.9.1, 405.9.2		
25.10	Exterior Route - Wheelchair Turning Space If wheelchairs are to make a 180 degree turn, is a clear space of 60" in diameter or a T-shaped space provided? [See Figures 403.5.2 (a) and (b)]	Yes		ADAABAG Section 403.5.2		
25.11	Protruding Objects - Head Room - Clearance 80" Is there a minimum clear head room of 80" along all areas of the accessible route/space?	Yes		ADAABAG Section 307		
25.12	Protruding Objects - Vertical Clearance - Warning If the vertical clearance of the accessible route/space is reduced to less than 80", is there a barrier to warn blind or visually impaired persons?	N/A		ADAABAG Section 307		
25.13	Exterior Route - Surface Textures Is the surface of the accessible route stable, firm and slip-resistant?	Yes		ADAABAG Section 302.1		

25.14	Exterior Route - Route Slope Does the walking surface have a maximum running slope of 1:20 (5%)? If no, enter 'N/A' and use ramp checklist.	No	Serious	ADAABAG Section 403.3	Walking surface at the Western area (near RV accessible parking stalls) has a slope of 6.5% in areas adjacent to the curb ramp is this part of the ramp? 1:10 allowable on ramp flares.	Out-of-scope
25.15	Exterior Route - Cross Slope Does the walking surface have a maximum cross-slope of 1:48?	No	Serious	ADAABAG Section 403.3	Walking surface has a cross-slope that varies between 2-2.4%	Out-of-scope
25.16	Exterior Route - Change in Level - Bevel If there is a change in level between 1/4" and 1/2", is it beveled with a slope no greater than 1:2? (See Figure 303)	Yes		ADAABAG Section 403.4, 303		
25.17	Exterior Route - Ramp - Greater than 1/2" Is a ramp, lift or elevator provided for changes in level greater than 1/2"?	Yes		ADAABAG Section 303.4		
25.18	Exterior Route - Grating / Planks - Gap Size If there is a grate or if it is constructed of planks, are the gaps no greater than 1/2"? [See Figure 302.3]	N/A		ADAABAG Section 302.3		
25.19	Exterior Route - Grating / Planks - Gap Direction If the grating or planks have elongated openings, are the openings positioned so the long dimension is perpendicular to the dominant direction of travel? [See Figure 302.3]	N/A		ADAABAG Section 302.3		

## 26. Site Access - Parking - Passenger Loading Zones

Where passenger loading zones are provided, one passenger loading zone in every continuous 100 linear feet (30 m) maximum of loading zone space shall comply with the access features for loading zones.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
26.1	Passenger Loading Zone - Designation If there are passenger loading zones, are accessible passenger loading zones provided?	No	Serious	ADAABAG Section F209.2.1	No curb cut ramp at designated loading zone. It is possible to use the main plaza crossing area where no curbs exist for passenger drop-off.	Out-of-scope
26.2	Passenger Loading Zone - Access Aisle If there is a passenger loading zone, does the passenger loading zone have an access aisle at least 60" wide and 20' long adjacent and parallel to the vehicle pull-up space? [See Figure 503.3]	Yes		ADAABAG Section 503.3		
26.3	Passenger Loading Zone - Size Is the vehicle pull up space a minimum of 20' long and 96" wide? [See Figure 503.3]	No	Serious	ADAABAG Section 503.2	Vehicle pull up space is 60" wide	Out-of-scope
26.4	Passenger Loading Zone - Aisle Is the access aisle marked to discourage parking? [See Figure 503.3]	No	Minor	ADAABAG Section 503.3.3	Area is not marked however one sign indicates area as a pick up and drop off zone	In-scope
26.5	Passenger Loading Zone - Cross Slope Does the passenger loading zone and access aisle have surface slopes that are a maximum 1:48 in all directions?	Yes		ADAABAG Section 503.4		
26.6	Passenger Loading Zone - Vertical Clearance Is there a minimum 114" vertical clearance at the accessible passenger loading zone(s) and along the entire vehicle route from site entrance/exit to loading zone?	Yes		ADAABAG Section 503.5		

## 27. Site Access - Parking - Vehicle Parking

If parking is provided, there are to be accessible stalls identified that conform with the issues listed below. For sites with multiple parking areas and/or sites, parking is to be dispersed - serving each location.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
27.1	Minimum Number If parking spaces are provided for self parking are the number and type of accessible spaces provided in conformance with Table F208.2?	N/A		ADAABAG Section F208.2		
27.2	Parking Spaces- Location- One Site Are the accessible parking spaces that serve a particular building / facility located on the shortest accessible route of travel from the parking area to the accessible entrance or facility?	N/A		ADAABAG Section F208.3.1		
27.3	Parking Spaces- Multi-buildings/Facilities If the parking area serves more than one building/facility, are the accessible parking stalls located on the shortest accessible route of travel to each accessible entrance/exit?	N/A		ADAABAG Section F208.3.1		
27.4	Parking Spaces - Location - Multi-entry If the building/facility has multiple accessible entrances with associated parking areas for each entrance are the accessible parking spaces dispersed and located closest to each of the accessible entrances.	N/A		ADAABAG Section F208.3.1		
27.5	Minimum - Accessible Route Are the accessible parking access aisles part of an accessible route to the building/facility entrance?	N/A		ADAABAG Section 502.3		
27.6	Parking Spaces - Width Are the accessible parking spaces at least 96" wide?	N/A		ADAABAG Section 502.2		
27.7	Parking Spaces - Access Aisle Width Are access aisles at least 60" wide, marked to discourage parking in them, and adjacent to the accessible parking spaces? (Note: Two accessible parking spaces may share a common access aisle.) [See Figure 502.3]	N/A		ADAABAG Section 502.3.1, 502.3.3		
27.8	Parking Spaces - Overhang Clear Route If parked vehicles overhang the accessible route, is the clear width of the route at least 36"?	N/A		ADAABAG Section 502.7		
27.9	Parking Spaces - Cross Slope Is the parking space and access aisle almost level with surface slopes 1:48 or less, in all directions?	N/A		ADAABAG Section 502.4		
27.10	Parking Spaces - Signage Is each accessible parking space designated as reserved by a sign displaying the International Symbol of Accessibility?	N/A		ADAABAG Sections 502.6		
27.11	Parking Spaces - Signage Clear View Is the sign located so it is a minimum of 60" from the finished floor or ground surface to the bottom of the sign?	N/A		ADAABAG Sections 502.6		

27.12	<b>Parking Spaces - Identification</b> If the parking area is not paved, are the edges of the parking space and access aisle identified with upright signs or another means of delineating them?	N/A	NPS Best Practices		
27.13	<b>Parking Spaces - Van - Quantity</b> Are one of every six accessible parking spaces, but not less than one, signed "van accessible"?	N/A	ADAABAG Section F208.2.4		
27.14	<b>Parking Spaces - Van - Access Aisle</b> Do the van accessible parking spaces provide an access aisle that is at least 96" wide?	N/A	ADAABAG Section 502.2		
27.15	<b>Parking Spaces - Van - Vertical Clearance</b> At "van accessible" parking stalls, is there a minimum 98" vertical clearance at the space and along the entire vehicle route from site entrance/exit to parking stalls?	N/A	ADAABAG Sections 502.5		
27.16	<b>Parking Spaces - Van - Signage</b> Do "van accessible" stalls have an additional sign stating "Van Accessible" mounted below the symbol of accessibility?	N/A	ADAABAG Sections 502.6		

**28. Site Access - Ramps/Walkways (Exterior)**

This checklist is to be used when evaluating exterior ramps

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
28.1	<b>Slope - Maximum</b> Is the maximum slope of the ramp 1:12? Note: In existing facilities sleeper slopes may be permitted based on Table 405.2 (6" maximum rise). [See Table 405.2]	N/A		ADAABAG Section 405.2		
28.2	<b>Rise - Maximum</b> Is the maximum single rise for the ramp 30"? [See Figure 16]	N/A		ADAABAG Section 405.6		
28.3	<b>Cross Slope - Maximum</b> Is the cross slope of the ramp no greater than 1:48?	N/A		ADAABAG Section 405.3		
28.4	<b>Surface</b> Is the surface stable, firm and slip-resistant?	N/A		ADAABAG Section 302.1		
28.5	<b>Minimum Width</b> Does the ramp have a minimum clear width of 36"? Note: Inside of handrails.	N/A		ADAABAG Section 405.5		
28.6	<b>Drop-off - Curb</b> If the ramp or landing has a drop-off, is there a curb, wall or railing to prevent people from slipping/rolling off the ramp? [See Figure 405.9.1, 405.9.2]	N/A		ADAABAG Section 405.9.1, 405.9.2		
28.7	<b>Drop-off - Edge Protection - Curb</b> If the ramp has a drop-off, is a curb barrier provided as shown in Figure 405.9.2 which prevents the passage of a 4" sphere?	N/A		ADAABAG Section 405.9.2		
28.8	<b>Top Landing - Width</b> Is the top landing the same width or wider than the ramp leading to it? [See Figure 405.7.4]	N/A		ADAABAG Section 405.7.4		
28.9	<b>Top Landing - Length</b> Does the top landing have a minimum length of 60"? [See Figure 405.7.4]	N/A		ADAABAG Section 405.7		
28.10	<b>Top Landing</b> Is a level landing provided at the top of the ramp? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 405.7		
28.11	<b>Top Landing - Landing - Door Level</b> If there is a door at a landing, is there a minimum landing positioned at the door to comply with the maneuvering clearance as required by 404.2.4 and 404.3.2? [See Figure 405.7.5]	N/A		ADAABAG Section 405.7.5		
28.12	<b>Direction Change - Landing</b> If the ramp changes direction at a landing, is the landing a minimum 60" x 60"?	N/A		ADAABAG Section 405.7.4		
28.13	<b>Clear Width</b> Is the bottom landing the same width or wider than the ramp leading to it?	N/A		ADAABAG Section 405.7		
28.14	<b>Clear Floor/Ground Space</b> Does the bottom landing have a minimum length of 60"?	N/A		ADAABAG Section 405.7		
28.15	<b>Handrails - Rise</b> If the ramp has a rise greater than 6" are there handrails on both sides? Note: Handrails are not required on curb cuts or adjacent to seating in assembly areas.	N/A		ADAABAG Section 405.8		
28.16	<b>Handrails - Diameter</b> Is the diameter or width of the gripping surface 1-1/4" to 1-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) [See Figure 505.7.1, 505.7.2]	N/A		ADAABAG Section 505.7.2, 505.7.1		
28.17	<b>Handrails - Distance to Wall</b> Is the clear space between handrails and the wall or posts 1-1/2"? [See Figure 505.5]	N/A		ADAABAG Section 505.5		
28.18	<b>Handrails - Surrounding Surfaces</b> Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 505.8		
28.19	<b>Inside Handrail Continuous</b> If the ramp has a switchback or dogleg, is the inside handrail continuous?	N/A		ADAABAG Section 505.3		
28.20	<b>Handrail - Extension</b> If handrails are not continuous, do the handrails extend at least 12" beyond the top and bottom of each ramp segment? [See Figure 505.10.1]	N/A		ADAABAG Section 505.10.1		
28.21	<b>Handrail - Gripping Continuous</b> Are the gripping surfaces continuous and uninterrupted by newel posts, other construction elements, or other obstructions?	N/A		ADAABAG Section 505.3		
28.22	<b>Handrails - Height</b> Is the top surface for the handrails mounted between 34" and 38" above the ramp surface?	N/A		ADAABAG Section 505.4		

28.23	<b>Handrails - Return</b> Are the ends of the handrails rounded or returned smoothly to the floor, wall or post? (Note: If a handrail returns to a handrail post, the bottom edge of the returned handrail shall be 27" or less to the floor.)	N/A		ADAABAG Section 505.10.1		
28.24	<b>Handrails - Secure</b> Are the handrails secure in the fittings? (No rotation)	N/A		ADAABAG Section 505.9		
28.25	<b>Water Accumulation</b> Is the ramp designed so water will not accumulate along the ramp or at the landings or approaches for safety?	N/A		ADAABAG Section 405.10		

**29. Site Access - RV - Pull Through Parking**

Use this checklist to evaluate RV Parking spaces in general use parking areas located within campgrounds.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
29.1	<b>RV Parking</b> Is at least one accessible RV Parking space provided in each general use parking area located within a campground?	N/A		Outdoor Developed Areas Report 16.7.4		
29.2	<b>RV Parking Width</b> Is the accessible RV Parking space a minimum of 12' wide?	N/A		Outdoor Developed Areas Report 16.7.4.1		
29.3	<b>RV Parking - Access Aisle</b> Does the accessible RV Parking space have an adjacent access aisle that is a minimum of 8' wide and the full length of the parking space?	N/A		Outdoor Developed Areas Report 16.7.4.2		
29.4	<b>RV Parking - Slope</b> Is the slope of the accessible RV Parking space less than 1:50 in all directions? EXCEPTION: Where surface conditions require a slope greater than 1:50 for proper drainage, a 1:33 maximum slope is allowed.	N/A		Outdoor Developed Areas Report 16.7.4.3		

**30. Site Access - Stairways (Exterior, including handrails)**

Stairs that connect levels that are not served by an elevator, ramp or other means of vertical access are to be accessible as described in the following questions.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
30.1	<b>Risers - Closed</b> Are the risers of a "closed" design?	N/A		ADAABAG Section 504.3		
30.2	<b>Riser Height</b> Do the stairs have uniform riser heights?	N/A		ADAABAG Section 504.2		
30.3	<b>Riser Slope</b> Are the risers sloped, or is the underside of the nosing angled 30 degrees or more from the horizontal? [See Figure 504.5]	N/A		ADAABAG Section 504.5		
30.4	<b>Tread Depth</b> Are the stair treads a minimum of 11" deep, measured riser to riser?	N/A		ADAABAG Section 504.2		
30.5	<b>Tread Radius</b> Is the radius of curvature at the leading top edge of the tread 1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 504.5		
30.6	<b>Tread - Beveled Nosings</b> Are the undersides of nosings at stair treads beveled? [See Figure 504.5]	N/A		ADAABAG Section 504.5		
30.7	<b>Nosing Projection</b> Do the nosings project 1-1/2" or less? [See Figure 504.5]	N/A		ADAABAG Section 504.5		
30.8	<b>Handrails - Two Sides</b> Are there handrails on both sides of all stairs?	N/A		ADAABAG Section 504.6, 505.2		
30.9	<b>Handrails - Continuous</b> Are the handrails continuous along both sides of the stairs?	N/A		ADAABAG Section 505.3		
30.10	<b>Handrails - Gripping Surface</b> Are the gripping surfaces continuous and uninterrupted by newel posts, other construction elements, or other obstructions?	N/A		ADAABAG Section 505.3		
30.11	<b>Handrail - Diameter</b> Is the diameter or width of the gripping surface 1-1/4" to 2-1/2"? (Note: A shape that provides an equivalent gripping surface is acceptable.) [See Figure 505.7.1, 505.7.2]	N/A		ADAABAG Section 505.7.1, 505.7.2		
30.12	<b>Handrails - Secure</b> Are the handrails secure in the fittings (no rotation)?	N/A		ADAABAG Section 505.9		
30.13	<b>Handrails - Distance to Wall</b> Is the clear space between the handrail and the wall or post 1-1/2"? [See Figure 505.5]	N/A		ADAABAG Section 505.5		
30.14	<b>Handrail - Height</b> Is the top of the handrail gripping surface mounted between 34" to 38" above the stair nosings?	N/A		ADAABAG Section 505.4		
30.15	<b>Handrails - Top Extension</b> Do the handrails extend 12" beyond the top riser? [See Figure 505.10.2]	N/A		ADAABAG Section 505.10.2		
30.16	<b>Handrail - Bottom Extension</b> Do the handrails extend at least 12" plus one tread width beyond the bottom riser? [See Figure 505.10.3]	N/A		ADAABAG Section 505.10.3		
30.17	<b>Handrails - Return</b> Are the ends of the handrails rounded or returned smoothly to the floor, wall or post?	N/A		ADAABAG Section 505.10.3		
30.18	<b>Handrails - Surrounding Surfaces</b> Are adjacent wall or other surfaces free of any sharp or abrasive elements?	N/A		ADAABAG Section 505.8		

30.19	<b>Water Accumulation</b> Are the stairs and approaches designed so water will not accumulate on the walking surfaces?	N/A		ADAABAG Section 504.7		
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**31. Site Access- Transit Stops**

Use this checklist to evaluate bus stops.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
31.1	<b>Accessible Route Connection</b> Is there an accessible route between the facility and the transit stop?	N/A		ADAABAG Section 402, 810.2.3		
31.2	<b>Signage</b> Are transit stops signs located so they are not a protruding object/hazard?	N/A		ADAABAG Section 810.4		
31.3	<b>Ground Surface</b> Is the pedestrian waiting area stable and firm?	N/A		ADAABAG Section 810.2.1		
31.4	<b>Waiting Clear Space</b> Is the minimum clear size of the transit stop/waiting area 60" long (along the roadway) and 96" deep? If not, please note size in comment area.	N/A		ADAABAG Section 810.2.2		
31.5	<b>Shelter Access</b> In the shelter, is there a 30" x 48" clear floor space that mobility impaired users can get to from the public entry way? [See Figure 810.3]	N/A		ADAABAG Section 810.3, 305		
31.6	<b>Sign Character Contrast</b> If there is a bus route sign, does it comply with 703.5? Note: Use checklist code 1025 for signage.	N/A		ADAABAG Section 810.4		
31.7	<b>Clearance 80"</b> Is there a minimum clear head room of 80" along all areas of the accessible route / space? (Note: Look for any hanging signage.)	N/A		NPS Best Practices		

For Internal NPS Use Only

Total Responses: 68  
 Total Yes: 55  
 Total No: 13

**1. Outdoor Activities - Amphitheater (Outdoor Assembly)**

This checklist shall be used to evaluate amphitheaters and outdoor assembly areas in the outdoor recreation environment.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
1.1	<b>Assembly Area - Fixed Seats</b> If the assembly area has fixed seating, do the number of accessible seats comply with Table F221.2.1.1?	N/A		ADAABAG Section F221.2.1.1		
1.2	<b>Assembly Area - Multiple Wheelchair Viewing Positions</b> If the seating capacity exceeds 300, are wheelchair viewing positions provided in more than 1 location?	N/A		NPS Best Practices		
1.3	<b>Assembly Area - Dispersed Accessible Seating</b> If this area has a surface slope less than 5%, are the wheelchair viewing positions dispersed and integrated providing a choice?	N/A		ADAABAG Section 802.4.1		
1.4	<b>Assembly Area - Wheelchair Viewing Positions - Sight Lines</b> Are the sight lines at the wheelchair seating locations comparable for wheelchair users and non-wheelchair users?	N/A		ADAABAG Section F221.2.3		
1.5	<b>Assembly Area - Wheelchair Viewing Positions - Level</b> Are wheelchair viewing positions located on a level surface? (Note: Level is considered 1:48 slope or less.)	N/A		ADAABAG Section 802.1.1		
1.6	<b>Assembly Area - Wheelchair Viewing Positions - Floor/Ground Surface</b> Are the wheelchair viewing positions on a stable and firm surface?	N/A		ADAABAG Section 802.1.1		
1.7	<b>Assembly Area - Companion Seating</b> Is at least one fixed companion seat provided adjacent to each wheelchair seating area?	N/A		ADAABAG Section 802.3		
1.8	<b>Assembly Area - Wheelchair Viewing Positions - Accessible Route Connection</b> Are the wheelchair viewing positions on or adjacent to an accessible route?	N/A		ADAABAG Section 402		
1.9	<b>Assembly Area - Folding/Removable Armrests in Fixed Aisle Seats</b> In addition to the wheelchair seating spaces, are 1% of the fixed seats (but not less than one) aisle seats without armrests, or do these seats have removable or folding armrests on the aisle?	N/A		ADAABAG Section 802.4.1		
1.10	<b>Assembly Area - Accessible Seating Identification - Inside Room/Space</b> Is the accessible aisle seating identified by a sign or a marker? <b>Performance Area - Access from Stage to Seating Area</b>	N/A		ADAABAG Section 802.4.2		
1.11	<b>Performance Area - Access from Stage to Seating Area</b> If the assembly area has a performing area, stage, and/or podium, is there an accessible route/ramp from the wheelchair seating area to these locations? (Note: Use accessible route or ramp checklist.)	N/A		ADAABAG Section F206.2.6		
1.12	<b>Assembly Area - Accessible Seating Identification - Outside Room/Space</b> Is signage notifying patrons of the availability of seats posted outside of the assembly area?	N/A		ADAABAG Section 802.4.2		
1.13	<b>Assembly Area - Assistive Listening</b> Is an assistive listening system provided?	N/A		ADAABAG Section F219.2		
1.14	<b>Assembly Area - Assistive Listening</b> Is signage posted indicating the availability of assistive listening?	N/A		ADAABAG Section F216.10		
1.15	<b>Assembly Area - Assistive Listening</b> Is the type of assistive listening system appropriate for the type of application (audience, programmatic nature, etc.)?	N/A		NPS Best Practices		
1.16	<b>Assembly Area - Assistive Listening</b> If the assistive listening serves individual fixed seats, are the seats within 50 feet of the stage or performance areas?	N/A		NPS Best Practices		

**2. Outdoor Activities - Beach Access Route**

Use this checklist to evaluate continuous unobstructed paths designated for pedestrian use that crosses the surface of the beach.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
2.1	<b>Beach Access Route</b> Does the beach access route coincide with or is it located in the same area as the general circulation path to the maximum extent feasible?	N/A		Outdoor Developed Areas Report		
2.2	<b>Beach Access Route - New Beach</b> Where a beach is newly constructed, is a minimum of one beach access route that extends to the high tide level, mean river bed level or normal recreation pool level provided for every 1/2 mile of linear feet of new beach?	N/A		Outdoor Developed Areas Report		
2.3	<b>Beach Access Route - Existing Beach</b> If a pedestrian access route is constructed from a developed site to or along the edge of an existing beach, is a beach access route provided that extends to the high tide level, mean river bed level or to the normal recreation water level?	N/A		Outdoor Developed Areas Report		
2.4	<b>Beach Access Route - Existing Beach</b> If a route is not provided, does one of the following apply: a temporary route is provided, the route is provided solely as undeveloped public easement, another beach access route exists within 1/2 mile and within the beach of the same jurisdiction.	N/A		Outdoor Developed Areas Report		
2.5	<b>Beach Access Route - Surface</b> Is the surface of the beach access route firm and stable?	N/A		Outdoor Developed Areas Report		
2.6	<b>Beach Access Route - Clear Tread Width</b> Is the clear tread width of the access route a minimum of 36"?	N/A		Outdoor Developed Areas Report		
2.7	<b>Beach Access Route - Clear Tread Width</b> If the clear tread width of the access route is not a minimum of 36", is the route created solely for shoreline maintenance?	N/A		Outdoor Developed Areas Report		

2.8	<b>Beach Access Route - Openings</b> Are all openings found in the surface of the beach access route of a size that does not permit passage of a 1/2" diameter sphere?	N/A		Outdoor Developed Areas Report	
2.9	<b>Beach Access Route - Openings</b> Are elongated openings placed so that the long dimension is perpendicular or diagonal to the dominant direction of travel?	N/A		Outdoor Developed Areas Report	
2.10	<b>Beach Access Route - Openings</b> If elongated openings are parallel to the dominant direction of travel, is the opening of a size that does not permit passage of a 1/4" diameter sphere?	N/A		Outdoor Developed Areas Report	
2.11	<b>Beach Access Route - Protruding Objects</b> Do objects that protrude into the route with their leading edges between 27" and 80" above the ground protrude no more than 4" into the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report	
2.12	<b>Beach Access Route - Protruding Objects</b> Do free-standing objects mounted on posts or pylons overhang a maximum of 12" from 27" to 80" above the ground? [See Figure 8(c) and (d)].	N/A		Outdoor Developed Areas Report	
2.13	<b>Beach Access Route - Protruding Objects</b> In the areas where protruding objects occur, is the clear width of the route still a minimum of 32"?	N/A		Outdoor Developed Areas Report	
2.14	<b>Beach Access Route - Head Room</b> Does the beach access route maintain an 80" minimum clear headroom along the route? [See Figure 8(a)]	N/A		Outdoor Developed Areas Report	
2.15	<b>Beach Access Route - Head Room</b> If the beach access route does not maintain an 80" minimum clear headroom along the route, is a barrier to warn blind or visually impaired person provided? [See Figure 8(c)-	N/A		Outdoor Developed Areas Report	
2.16	<b>Beach Access Route - Passing Space</b> Where the clear tread width of the route is less than 60", are passing spaces provided at intervals of 200' maximum? (60" X 60" or intersection of two walking surfaces that provide a T-shaped space complying with Outdoor Developed Areas Report 16.4.6	N/A		Outdoor Developed Areas Report	
2.17	<b>Beach Access Route - Maneuvering Space/Resting Space</b> Is maneuvering space provided at the high tide level, mean river bed level, normal recreation water level or at the end of the beach access route?	N/A		Outdoor Developed Areas Report	
2.18	<b>Beach Access Route - Maneuvering Space/Resting Space</b> Is the maneuvering space separate from the beach access route and is it a minimum of 60" X 60" or an intersection of two walking surfaces that provide a T-shaped space complying with Outdoor Developed Areas Report 16.4.6	N/A		Outdoor Developed Areas Report	
2.19	<b>Beach Access Route - Cross Slope</b> Is the cross slope of the beach access route a maximum of 1:33?	N/A		Outdoor Developed Areas Report	
2.20	<b>Beach Access Route - Cross Slope</b> If the cross slope of beach access route is not a maximum of 1:33, is the cross slope a maximum of 1:20 to ensure proper drainage?	N/A		Outdoor Developed Areas Report	
2.21	<b>Beach Access Route - Running Slope</b> Is the running slope of the route a maximum of 1:20?	N/A		Outdoor Developed Areas Report	
2.22	<b>Beach Access Route - Running Slope</b> If the running slope is 1:12, is it at this slope for a maximum of 50' and are resting intervals provided at distances no greater than 50'?	N/A		Outdoor Developed Areas Report	
2.23	<b>Beach Access Route - Running Slope</b> If the running slope is 1:10, is it at this slope for a maximum of 30' and are resting intervals provided at distances no greater than 30'?	N/A		Outdoor Developed Areas Report	
2.24	<b>Beach Access Route - Resting Intervals</b> If a resting interval is provided, is the area a minimum of 60" in length and at least as wide as the widest portion of the trail segment leading to the resting interval?	N/A		Outdoor Developed Areas Report	
2.25	<b>Beach Access Route - Resting Intervals Slope</b> If a resting interval is provided, is the slope less than 1:33 in any direction? (Slope can be 1:20 to allow for proper drainage.)	N/A		Outdoor Developed Areas Report	
2.26	<b>Beach Access Route - Edge Protection</b> If the drop-off from the beach access route to the beach is 6" or higher, does the beach access route have curbs, walls, railings or projecting surfaces a minimum of 2" high that prevent people from falling off the route?	N/A		Outdoor Developed Areas Report	
2.27	<b>Beach Access Route - Changes in Level</b> Are obstacles in the beach access route a maximum of 1" high?	N/A		Outdoor Developed Areas Report	
2.28	<b>Beach Access Route - Edge Protection</b> If the drop-off from the beach access route to the beach is greater than 1", but less than 6", is the edge beveled?	N/A		Outdoor Developed Areas Report	

**3. Outdoor Activities - Benches**

Use this checklist to evaluate fixed benches used primarily for seating purposes at picnic areas or along an accessible route.

#	Survey Question	Response	Deficiency Priority	Source	Comments	Appendix Where Deficiency Recorded
3.1	<b>Single Bench - Minimum Number</b> If one fixed bench is provided in an area, is the bench accessible?	N/A		ADAABAG Section 903		
3.2	<b>Multiple Benches - Minimum Number</b> If multiple benches are provided in an area, are at least 50% accessible? EXCEPTION: This requirement does not apply to benches provided in assembly areas covered by the assembly area checklists.	Yes		ADAABAG		
3.3	<b>Accessible Bench - Route</b> Are at least 40% of fixed benches located on a Trail?	N/A		ADAABAG		
3.4	<b>Multiple Benches - Dispersion</b> Are the accessible benches dispersed among the types provided?	N/A		ADAABAG		
3.5	<b>Accessible Bench - Height</b> Is the front edge of the seat a minimum of 17" and a maximum of 19" above the ground or floor surface?	Yes		ADAABAG Section 903.5		

Tab

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APPENDIX N - DEFICIENCY PHOTO LOOK UP TABLE

Park Identifier

MORU

CA Work Order Number

FMSS Location Code	Unique Work Identifier (From Appendix C)	Photo Filename
61419	61419-G2010-3-DM	MORU002-61419-056
61419	61419-G2010-7-DM	MORU002-61419-081, MORU002-61419-084
61420	61420-G2050-1-LMAC-1	MORU002-61420-235, MORU002-61420-236
61422	61422-B2010-1-DM	MORU002-61422-218, MORU002-61422-219

Confidential - For NPS Internal Use Only

Tab

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APPENDIX O - DEFICIENCY ACTION ITEM TABLE

Park Identifier MORU

CA Work Order Number

FMSS Location Code	Unique Work Identifier (From Appendix C)	Action Item Number	Action Item Description	Qty	Qty UOM
61419	61419-G2010-10-RM	1	Remove and replace concrete sidewalk, 4' wide	80	LF
61419	61419-G2010-11-RM	1	Paints & Coatings, misc. ext., decking, ext., sand paint, alkyd, brushwork, 1 coat	320	sf
61419	61419-G2010-1-DM	1	Trench cover, frame only for grating, 2 sides, for 1" T grating, field fabricated	16	L.F.
61419	61419-G2010-2-DM	1	Concrete curb, 6" wide, 18" high, cast-in-place	60	L.F.
61419	61419-G2010-3-DM	1	Remove & replace asphalt sidewalk, 4' wide	225	LF
61419	61419-G2010-3-RM	1	Parking lot repair and sealcoating (per 10,000 S.F.)	1	Ea.
61419	61419-G2010-4-LMAC	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	600	L.F.
61419	61419-G2010-4-RM	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	1710	L.F.
61419	61419-G2010-5-LMAC	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	10	Ea.
61419	61419-G2010-7-DM	1	Remove and replace concrete sidewalk, 4' wide	48	LF
61419	61419-G2010-7-RM	1	Remove and replace concrete sidewalk, 4' wide	45	LF
61419	61419-G2010-8-RM	1	Remove and replace concrete sidewalk, 4' wide	168	LF
61419	61419-G2010-9-RM	1	Remove and replace concrete sidewalk, 4' wide	40	LF
61420	61420-G2050-1-LMAC-1	1	Recaulk door	100	LF
61420	61420-G2050-1-LMAC-2	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	4	Ea.
61420	61420-G2050-1-RM	1	Remove and replace concrete sidewalk, 4' wide	48	LF
61420	61420-G2050-2-RM	1	Remove and replace concrete sidewalk, 4' wide	9	LF
61420	61420-G2050-3-RM	1	Paints & Coatings, misc. ext., decking, ext., sand paint, alkyd, brushwork, 1 coat	120	sf
61420	61420-G2050-4-DM	1	Tree pit, 5' to 6' tree, deciduous, 2' x 1-1/4' deep, sandy soil	2	EA
61420	61420-G2050-4-DM	2	Trees, Conifers, 10 - 12 ft	2	EA
61420	61420-G2050-4-RM	1	Parking lot, 90 degree angle parking, 4" bituminous paving, 6" gravel base	15	Car
61421	61421-B1020-1-RM	1	Remove and replace concrete sidewalk, 4' wide	40	LF
61421	61421-B2010-1-RM	1	Remove and replace concrete sidewalk, 4' wide	18	LF
61421	61421-B2010-2-RM	1	Recaulk door	380	LF
61421	61421-B2010-3-RM	1	Recaulk window, 4' x 6' - 1st floor	3	Ea.
61421	61421-B2030-1-RM	1	Refinish 3'-0" x 7'-0" hollow core wood door interior	5	EA
61421	61421-B3010-1-RM	1	Non-destructive moisture inspection built-up roofing	2.9	M.S.F.
61421	61421-C1020-1-LMAC	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	1	Ea.
61421	61421-C1020-1-RM	1	Refinish 3'-0" x 7'-0" hollow core wood door interior	1.5	EA
61421	61421-C1020-2-RM	1	Refinish 3'-0" x 7'-0" hollow core wood door interior	1.5	EA
61421	61421-C3010-1-RM	1	Refinish drywall	1280	S.F.
61421	61421-C3020-1-RM	1	Replace carpet	40	SY
61421	61421-C3020-2-RM	1	Replace vinyl sheet flooring	250	SF
61421	61421-C3030-1-RM	1	Refinish sheetrock ceiling	0.55	CSF
61421	61421-C3030-3-CR	1	Replace acoustic tile ceiling, fire-rated	1.92	CSF

APPENDIX O - DEFICIENCY ACTION ITEM TABLE

61421	61421-C3030-3-DM	1	Replace acoustic tile ceiling, fire-rated	0.08 CSF
61421	61421-D2010-1-RM	1	Replace refrigerant drinking fountain	2 Ea.
61421	61421-D2010-2-LMAC	1	Lavatory w/trim, wall hung, vitreous china, 18" x 15"	1 EA
61421	61421-D2010-2-RM	1	Replace faucets sink, enameled steel	1 Ea.
61421	61421-D2010-3-LMAC	1	Replace two piece water closet flush-tank	1 EA
61421	61421-D2010-3-RM	1	Replace washer / diaphragm in ball cock flush-tank water closet	4 EA
61421	61421-D2010-4-RM	1	Replace faucets sink, enameled steel	1 Ea.
61421	61421-D2020-2-PM	1	Drain and flush water heater, electric, 40 gallon	1 EA
61421	61421-D3050-1-CR	1	Condensing unit, air cooled, compressor, 2 ton, includes standard controls	5 Ea.
61421	61421-D3050-1-PM	1	Condensing unit, air cooled, 3 to 25 tons, annualized	5 EA
61421	61421-D3050-2-PM	1	Condensing unit, air cooled, 3 to 25 tons, annualized	1 EA
61421	61421-D3050-3-PM	1	Maintenance and inspection baseboard heating units	9 EA
61421	61421-D5010-1-PM	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	0.008 Ea.
61421	61421-D5010-2-PM	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	0.008 Ea.
61421	61421-D5010-3-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61421	61421-D5010-3-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61421	61421-D5010-4-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61421	61421-D5010-4-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61421	61421-D5010-5-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61421	61421-D5010-5-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61421	61421-D5010-6-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61421	61421-D5010-6-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61421	61421-D5020-1-CR	1	Replace fixture Metal Halide, 175 W	8 EA
61421	61421-D5020-1-RM	1	Maintenance and repair incandescent lighting fixtures	8 EA
61421	61421-D5020-2-RM	1	Replace floor ballast for fluorescent lighting fixture, 80 W	18 Ea.
61421	61421-F1010-1-RM	1	Remove and replace concrete sidewalk, 4' wide	320 LF
61421	61421-F1010-2-RM	1	Paints & Coatings, misc. ext., decking, ext., sand paint, alkyd, brushwork, 1 coat	200 sf
61422	61422-A2020-1-RM	1	Remove and replace concrete sidewalk, 4' wide	360 LF
61422	61422-B1010-1-RM	1	Remove and replace concrete sidewalk, 4' wide	450 LF
61422	61422-B1010-2-RM	1	Remove and replace concrete sidewalk, 4' wide	500 LF
61422	61422-B1020-1-RM	1	Remove and replace concrete sidewalk, 4' wide	9 LF
61422	61422-B2010-1-DM	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	200 L.F.
61422	61422-B2010-1-DM	2	Bldg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	200 L.F.
61422	61422-B2010-1-LMAC	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	4 Ea.
61422	61422-B2010-1-RM	1	Remove and replace concrete sidewalk, 4' wide	1440 LF
61422	61422-B2010-2-RM	1	Point stone wall, 8" x 8" stones - 1st floor	48 CSF
61422	61422-B2010-3-RM	1	Minor repairs to concrete floor unfinished	48 S.F.
61422	61422-B2030-1-RM	1	Refinish 3'-0" x 7'-0" hollow core wood door interior	5 EA
61422	61422-B2030-1-RM	1	Refinish 3'-0" x 7'-0" hollow core wood door interior	5 EA
61422	61422-B3010-1-RM	1	Non-destructive moisture inspection built-up roofing	2 M.S.F.
61422	61422-C2010-1-RM	1	Remove and replace concrete sidewalk, 4' wide	10 LF
61422	61422-D1010-1-PM	1	Elevator, cable, electric, passenger / freight, annualized	1 EA
61422	61422-D1010-2-PM	1	Elevator, cable, electric, passenger / freight, annualized	1 EA

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61422	61422-D3040-1-PM	1	Fan, axial, up to 5,000 CFM, annualized	3 EA
61422	61422-D3050-1-PM	1	Maintenance and inspection baseboard heating units	4 EA
61422	61422-D5010-1-PM	1	Emergency diesel or gas generator, up to 15 KVA, annualized	1 EA
61422	61422-D5010-2-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-2-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-3-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-3-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-4-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-4-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-5-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-5-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-6-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-6-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-7-PM	1	Circuit breaker, high voltage air, annualized	20 per Circuit Breaker
61422	61422-D5010-7-PM	2	Maintenance and inspection safety switch, 2 pole	2 EA
61422	61422-D5010-8-PM	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	0.008 Ea
61422	61422-D5020-10-RM	1	Maintenance and repair incandescent lighting fixtures	58 EA
61422	61422-D5020-11-RM	1	Maintenance and repair incandescent lighting fixtures	6 EA
61422	61422-D5020-1-RM	1	Maintenance and repair incandescent lighting fixtures	221 EA
61422	61422-D5020-2-RM	1	Maintenance and repair incandescent lighting fixtures	16 EA
61422	61422-D5020-3-RM	1	Maintenance and repair incandescent lighting fixtures	38 EA
61422	61422-D5020-4-RM	1	Maintenance and repair incandescent lighting fixtures	34 Ea
61422	61422-D5020-5-RM	1	Maintenance and repair incandescent lighting fixtures	17 Ea
61422	61422-D5020-6-RM	1	Maintenance and repair incandescent lighting fixtures	18 EA
61422	61422-D5020-7-RM	1	Maintenance and repair incandescent lighting fixtures	8 EA
61422	61422-D5020-8-RM	1	Maintenance and repair incandescent lighting fixtures	9 EA
61422	61422-D5020-9-RM	1	Maintenance and repair incandescent lighting fixtures	7 EA
61422	61422-D5090-1-PM	1	Light, emergency, hardwired system, annualized	6 EA
61422	61422-F1010-1-RM	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	43200 L.F.
61422	61422-F1010-1-LMAC	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	1000 L.F.

APPENDIX O - DEFICIENCY ACTION ITEM TABLE

61422	61422-F1010-2-LMAC	1	Fence, chain link industrial, aluminized steel, 6 ga. wire, 2" posts @ 10' OC, 6' high, includes excavation, & concrete, excludes barbed wire	40 L.F.
61422	61422-F1010-2-RM	1	Fence, chain link industrial, aluminized steel, 6 ga. wire, 2" posts @ 10' OC, 6' high, includes excavation, & concrete, excludes barbed wire	35 L.F.
61423	61423-G4010-2-PM	1	Switch, automatic transfer, annualized	1 EA
61423	61423-G4010-4-PM	1	Emergency diesel or gas generator, over 15 KVA, annualized	1 EA
65006	65006-G3020-1-RM-1	1	Drain and flush water heater, electric, 40 gallon	1 EA
65006	65006-G3020-1-RM-2	1	Drain and flush water heater, electric, 40 gallon	1 EA
61421	61421-A1020-1	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	1300 L.F.
61421	61421-A1020-1	2	Bldg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	1300 L.F.
61421	61421-A1020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	9.8475 Week
61421	61421-A1020-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	144.4444 C.Y.
61421	61421-A1020-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	288.6 Ton
61421	61421-A1030-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	900 S.F.
61421	61421-A1030-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	900 S.F.
61421	61421-A1030-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	5 Week
61421	61421-A1030-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	23.33333 C.Y.
61421	61421-A1030-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	46.62 Ton
61421	61421-B1020-1	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	2000 L.F.
61421	61421-B1020-1	2	Bldg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	2000 L.F.
61421	61421-B1020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	15.15 Week
61421	61421-B1020-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	222.2222 C.Y.
61421	61421-B1020-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	444 Ton
61421	61421-B2010-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	900 S.F.
61421	61421-B2010-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	900 S.F.

APPENDIX O - DEFICIENCY ACTION ITEM TABLE

61421	61421-B2010-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	5 Week
61421	61421-B2010-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	23.33333 C.Y.
61421	61421-B2010-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	46.62 Ton
61421	61421-B2010-2	1	Stone wall, ashlar veneer, 4" thick, 8' high, 2x4@16" stud back-up, low priced stone	1050 S.F.
61421	61421-B2010-3	1	Aluminum frame, window wall, black finish, 2" x 4-1/2" deep, insulating glass	310 SF
61421	61421-B2030-1	1	Replace 3'-0" x 7'-0" steel, painted, door	5 EA
61421	61421-B3010-1	1	Selective demolition, thermal and moisture protection, roofing, modified bitumen	29 Sq.
61421	61421-B3010-1	2	Ethylene-propylene-diene-monomer roofing, (EPDM), 0.40 P.S.F., fully adhered with adhesive, 60 mils	29 Sq.
61422	61422-D1010-1	1	Hydraulic Passenger Elevators, base unit, standard finish, 1500 lb, 100 fpm, 2 stop	1 EA
61422	61422-D1010-2	1	Hydraulic Passenger Elevators, base unit, standard finish, 1500 lb, 100 fpm, 2 stop	1 EA
61421	61421-D2010-1	1	Drinking fountain, wall mounted, non-recessed, stainless steel, dual handle and wheelchair projection type, 1 bubbler, for connection to cold water supply	1 EA
61421	61421-D2010-1	2	Fixture, plumbing, remove and reset, minimum	1 EA
61421	61421-D2010-2	1	Lavatory w/trim, wall hung, vitreous china, 18" x 15"	1 EA
61421	61421-D2010-3	1	Replace two piece water closet flush-tank	1 EA
61421	61421-D2010-4	1	Sink, Kitchen, Countertop style, Stainless Steel, self rimming, double tub.	1 EA
61421	61421-D2010-4	2	Fixture, sink, 1 compartment selective demolition	1 EA
61421	61421-D2020-1	1	Tee, copper, wrought, copper x copper, 1"	1 Ea.
61421	61421-D2020-1	2	Pipe, metal pipe, to 1-1/2" diam., selective demolition	200 L.F.
61421	61421-D2020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	2 Week
61421	61421-D2020-1	4	Selective demolition, rubbish handling, 100' haul, load, haul to chute and dumping into chute, cost to be added to demolition cost.	20 C.Y.
61421	61421-D2020-1	5	Pipe, copper, tubing, solder, 1-1/2" diameter, type K, includes coupling & clevis hanger assembly 10' O.C.	200 L.F.
61421	61421-D2020-1	6	Pipe, copper, tubing, solder, 1" diameter, type K, includes coupling & clevis hanger assembly 10' O.C.	200 L.F.
61421	61421-D2020-1	7	Elbow, 90 Deg., copper, wrought, copper x copper, 1"	10 Ea.
61421	61421-D2020-1	8	Elbow, 90 Deg., copper, wrought, copper x copper, 1-1/2"	10 Ea.
61421	61421-D2020-2	1	Electric water heater, residential, 100< F rise, 40 gallon tank, 8 GPH	1 EA
61422	61422-D2030-1	1	Pipe cast iron, soil, B & S, service weight, 6" diameter	400 L.F.
61421	61421-D2030-1	1	Pipe cast iron, soil, B & S, service weight, 6" diameter	100 L.F.
61422	61422-D2090-1	1	Valves, plastic, PVC, ball, single union, socket or threaded, 1"	4 Ea.
61422	61422-D2090-1	2	Pipe, plastic, PVC, high impact/pressure, 1" diameter, schedule 80, includes couplings 10' OC, and hangers 3 per 10'	400 L.F.
61422	61422-D2090-1	3	Elbow, 90 Deg., plastic, PVC, socket joint, 1", schedule 80	20 Ea.
61422	61422-D2090-1	4	Tee, plastic, PVC, socket joint, 1", schedule 80	20 Ea.
61422	61422-D2090-1	5	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	2 Week
61422	61422-D2090-1	6	Selective demolition, rubbish handling, 51' to 100' haul, load, haul, dump and return, hand carried, cost to be added to demolition cost.	11 C.Y.
61423	61423-G4010-3	1	Pipe, steel, black, threaded, 3" diameter, schedule 40, Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC	100 L.F.

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61423	61423-G4010-3	2	Elbow, 90 Deg., steel, cast iron, black, straight, flanged, standard weight, 3" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	5 Ea.
61423	61423-G4010-3	3	Tee, steel, cast iron, black, straight, flanged, standard weight, 3" pipe size, add 1 gasket and bolt set (material only) for each joint, includes make-up labor, excludes gasket & bolt sets	5 Ea.
61423	61423-G4010-3	4	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolltion cost.	1 Week
61423	61423-G4010-3	5	Selective demolition, rubbish handling, 51' to 100' haul, load, haul, dump and return, hand carried, cost to be added to demolition cost.	35 C.Y.
61423	61423-G4010-3	6	Pipe, metal pipe, 2" to 3-1/2" diam., selective demolition	100 L.F.
61423	61423-G4010-1	1	Metal Ductwork, fabricated rectangular, for 30% fittings, add	400 Lb.
61423	61423-G4010-1	2	Air conditioner, ductwork, rigid, 12"-14" x 48", selective demolition	40 L.F.
61423	61423-G4010-1	3	Metal Ductwork, fabricated rectangular, galvanized steel, 500 to 1000 lb., includes fittings, joints, supports and allowance for a flexible connection, excludes insulation	400 Lb.
61422	61422-D3040-1	1	Replace fan & motor, propeller exh., 375 CFM exhaust fan	3 EA
61422	61422-D3050-1	1	Replace infrared heater suspended, commercial	4 EA
61421	61421-D3050-1	1	Condensing unit, air cooled, compressor, 2 ton, includes standard controls	5 Ea.
61421	61421-D3050-1	2	Heat pump, air source, 1 package, up thru 12 ton, selective demolition	5 Ea.
61421	61421-D3050-2	1	Evaporation Cooler- 5 ton	1 EA
61421	61421-D3050-3	1	Replace infrared heater suspended, commercial	9 EA
61422	61422-D4020-1	1	Sprinkler System Components, valves, flow control, 4" size, includes trim & gauges	10 Ea.
61422	61422-D4020-1	2	Pipe, metal pipe, 4" to 6" diam., selective demolition	200 L.F.
61422	61422-D4020-1	3	Pipe, steel, black, threaded, 4" diameter, schedule 40, A-106, grade A/B seamless, includes coupling and clevis hanger assembly sized for covering, 10' OC	200 L.F.
61422	61422-D4020-1	4	Elbow, 90 Deg., steel, cast iron, black, straight, threaded, standard weight, 4"	10 Ea.
61422	61422-D4020-1	5	Sprinkler System Components, valves, check, swing, cast iron body, brass fittings, auto, ball drip, 4" size	10 Ea.
61423	61423-G4010-4	1	Generator set, diesel, 3 phase 4 wire, 277/480 V, 60 kW, incl battery, charger, muffler & automatic transfer switch, excl conduit, wiring, & concrete	1 Ea.
61423	61423-G4010-4	2	Generator set, 3 ph 4 wire, 277/480 V, 250 kW, electrical demolltion, remove, incl accessories	1 Ea.
61423	61423-G4010-2	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61423	61423-G4010-2	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-1	1	Motor control center, 200 HP, electrical demolition, remove, incl starter & structure	1 Ea.
61422	61422-D5010-1	2	Motor starter, size 1, 2 speed, separate winding, type A, circuit breaker, NEMA 1	1 Ea.
61422	61422-D5010-2	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61422	61422-D5010-2	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-3	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA

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61422	61422-D5010-3	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-4	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61422	61422-D5010-4	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-5	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61422	61422-D5010-5	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-6	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61422	61422-D5010-6	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-7	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61422	61422-D5010-7	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61422	61422-D5010-8	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	1 Ea.
61422	61422-D5010-8	2	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, incl removal of supports, wire & conduit terminations	1 Ea.
61422	61422-D5010-9	1	Replace branch wiring with junction box	3 M.L.F.
61421	61421-D5010-1	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	1 Ea.
61421	61421-D5010-1	2	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, incl removal of supports, wire & conduit terminations	1 Ea.
61421	61421-D5010-2	1	Transformer, oil-filled, 5 kV or 15 kV, with taps, 277/480 V secondary, 3 phase, 150 kVA, pad mounted	1 Ea.
61421	61421-D5010-2	2	Transformer, dry type, primary, 3 phase, to 600 V, 112.5 kVA, electrical demolition, remove, incl removal of supports, wire & conduit terminations	1 Ea.
61421	61421-D5010-3	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61421	61421-D5010-3	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61421	61421-D5010-4	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61421	61421-D5010-4	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61421	61421-D5010-5	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61421	61421-D5010-5	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61421	61421-D5010-6	1	Load centers, 1 phase, 3 wire, main lugs, indoor, 120/240 V, 200 amp, 30 circuits, incl 20 A 1 pole plug-in breakers	1 EA
61421	61421-D5010-6	2	Panelboards, 3 wire, 120/240 V, 200 amp, to 42 circuits, electrical demolition, remove, incl removal of all breakers, conduit terminations & wire connections	1 EA
61421	61421-D5010-7	1	Replace branch wiring with junction box	2 M.L.F.

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61422	61422-D5020-1	1	Replace fixture Metal Halide, 175 W	221 EA
61422	61422-D5020-2	1	Replace fixture Metal Halide, 175 W	16 EA
61422	61422-D5020-3	1	Replace fixture Metal Halide, 175 W	38 EA
61422	61422-D5020-4	1	Replace lighting fixture incandescent	34 EA
61422	61422-D5020-5	1	Replace lighting fixture incandescent	17 EA
61422	61422-D5020-6	1	Replace fixture Metal Halide, 175 W	18 EA
61422	61422-D5020-7	1	Replace fixture Metal Halide, 175 W	8 EA
61422	61422-D5020-8	1	Replace fixture Metal Halide, 175 W	9 EA
61422	61422-D5020-9	1	Replace fixture Metal Halide, 175 W	7 EA
61422	61422-D5020-10	1	Replace fixture Metal Halide, 175 W	58 EA
61422	61422-D5020-11	1	Replace fixture Metal Halide, 175 W	6 EA
61421	61421-D5020-1	1	Replace fixture Metal Halide, 175 W	8 EA
61421	61421-D5020-2	1	Fluorescent fixture, interior, surface mounted, acrylic lens, 4-40 W, 4' W x 4' L, incl lamps, mounting hardware and connections	18 Ea.
61421	61421-D5020-2	2	Fixture hanger, 1/2" diameter, electrical demolltion, remove	18 Ea.
61422	61422-D5090-1	1	LED lamp, interior, globe clear A60, equal to 60 watt	6 EA
61422	61422-D5090-1	2	Exit llghting, Incandescent, 1 face, ceiling or wall mount	6 EA
61422	61422-D5090-1	3	Exit light, electrical demolition, remove	6 EA
61421	61421-F1010-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	16000 S.F.
61421	61421-F1010-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	16000 S.F.
61421	61421-F1010-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	78.17333 Week
61421	61421-F1010-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	414.8148 C.Y.
61421	61421-F1010-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	828.8 Ton
61421	61421-F1010-2	1	Fence, chain link industrial, gate, galvanized steel, 6' high fence, 1-5/8" frame, 3' wide, 6' high, includes excavation, in concrete	6 Ea.
61419	61419-G2010-1	1	Trench cover, frame only for grating, 2 sides, for 1" T grating, field fabricated	32 L.F.
61419	61419-G2010-1	2	Storm Drainage Manholes, Frames, and Covers, concrete block, radial, excludes footing, excavation, backfill, frame and cover, add for depths over 8'	32 V.L.F.
61419	61419-G2010-2	1	Concrete curb, 6" wide, 18" high, cast-in-place	1632 L.F.
61419	61419-G2010-3	1	Parking lot repair and resurface	51.224 MSF
61419	61419-G2010-7	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	2240 S.F.
61419	61419-G2010-7	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	2240 S.F.
61419	61419-G2010-7	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	5 Week
61419	61419-G2010-7	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	82.97 CY
61419	61419-G2010-7	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	165.94 Ton
61419	61419-G2010-9	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	3460 S.F.
61419	61419-G2010-9	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	3460 S.F.
61419	61419-G2010-9	3	Selective demolltion, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	20 Week

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61419	61419-G2010-9	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	89.7 C.Y.	
61419	61419-G2010-9	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	179.23 Ton	
61419	61419-G2010-10	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	3456 L.F.	0
61419	61419-G2010-10	2	Bl'dg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	3456 L.F.	
61419	61419-G2010-10	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	26 Week	
61419	61419-G2010-10	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	384 C.Y.	
61419	61419-G2010-10	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	766 Ton	
61419	61419-G2010-4	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	1710 L.F.	
61419	61419-G2010-6	1	Vehicle guide rails, corrugated steel, galvanized steel posts, install metal guide/guard rail, double face, wood posts 6'-3" O.C., 6" x 8" posts	505 L.F.	
61419	61419-G2010-6	2	Selective demolition, highway guard rails & barriers, median barrier, box beam, 6" x 8"	505 L.F.	
61420	61420-G2050-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	2365 S.F.	
61420	61420-G2050-1	2	Bl'dg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	2365 S.F.	
61420	61420-G2050-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	5 Week	
61420	61420-G2050-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	87.6 CY	
61420	61420-G2050-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	175.2 Ton	
61420	61420-G2050-2	1	Stairs, concrete, cast in place, no nosings, no railings, 24 risers	4 Flight	
61419	61419-G2010-8	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	4200 L.F.	0
61419	61419-G2010-8	2	Bl'dg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	4200 L.F.	
61419	61419-G2010-8	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	31.815 Week	
61419	61419-G2010-8	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	466.6667 C.Y.	
61419	61419-G2010-8	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	932.4 Ton	
61419	61419-G2010-5	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	52 Ea.	
61420	61420-G2050-3	1	Wood deck, treated lumber, 2" x 8" joists @ 16" OC, 1" x 4" decking	60 SF	
61420	61420-G2050-4	1	Lawn, flat area, seeded, turf mix, small commercial	300 M.S.F.	5
61420	61420-G2050-4	1	Tree pit, 5' to 6' tree, deciduous, 2' x 1-1/4' deep, sandy soil	50 EA	
61420	61420-G2050-4	2	Trees, Conifers, 10 - 12 ft	50 EA	
65006	65006-G3020-1	1	Utility Line Signs, Markers, and Flags, underground tape, detectable, reinforced, aluminum foil core, 2", excludes excavation and backfill	90 C.L.F.	

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65006	65006-G3020-1	2	Utility Line Signs, Markers, and Flags, minimum labor/equipment charge, excludes excavation and backfill	1 Job
65006	65006-G3020-1	3	Utility Septic Tank and Effluent Wet Wells, septic tanks precast concrete, 1,000 gallon, excludes excavation or piping	1 Ea.
65006	65006-G3020-1	4	Utility Septic Tank and Effluent Wet Wells, septic tank, 3/4 C.Y. bucket, excavation with backhoe, excludes excavation or piping	110 C.Y.
65006	65006-G3020-1	5	Utility Septic Tank and Effluent Wet Wells, septic tanks gravel fill, run of bank, excludes excavation or piping	110 C.Y.
65006	65006-G3020-2	1	Utility Septic Tank and Effluent Wet Wells, septic tanks 4' trench for disposal field, backhoe, 3/4 C.Y. bucket, excavation with backhoe	140 L.F.
65006	65006-G3020-2	2	Public Storm Utility Drainage Piping, non-reinforced concrete pipe, extra strength, B&S or T&G joints, 6" diameter, excludes excavation or backfill	140 L.F.
61422	61422-A1020-1	1	Spread footing for interior column, 3' square x 1' thick, 3000 PSI concrete, including forms, reinforcing, and anchor bolts	7084 Ea.
61422	61422-A1020-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	21252 S.F.
61422	61422-A1020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	199.9282 Week
61422	61422-A1020-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	1652.933 C.Y.
61422	61422-A1020-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	3302.561 Ton
61422	61422-A1030-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	152666 S.F.
61422	61422-A1030-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	152666 S.F.
61422	61422-A1030-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	16 Week
61422	61422-A1030-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	5654.296 C.Y.
61422	61422-A1030-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	11297.28 Ton
61422	61422-A2020-1	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	18000 L.F.
61422	61422-A2020-1	2	Bldg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	18000 L.F.
61422	61422-A2020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	12 Week
61422	61422-A2020-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	2000 C.Y.
61422	61422-A2020-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	3996 Ton
61422	61422-B1010-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	22500 S.F.
61422	61422-B1010-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	22500 S.F.
61422	61422-B1010-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	109.9313 Week

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61422	61422-B1010-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	583.3333 C.Y.
61422	61422-B1010-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	1165.5 Ton
61422	61422-B1010-2	1	Structural concrete, in place, elevated slab (4000 psi), one way beam and slab, 125 psf superimposed load, 15' span, includes forms(4 uses), reinforcing steel, concrete, placing and finishing	12895.11 C.Y.
61422	61422-B1010-2	2	Selective concrete demolition, 2 - 5 tons, remove whole pieces, incl loading, excludes shoring, bracing, saw or torch cutting, hauling, dumping	5152.886 Ea.
61422	61422-B1010-2	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	400.9305 Week
61422	61422-B1010-2	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	12895.11 C.Y.
61422	61422-B1010-2	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	25764.43 Ton
61422	61422-B1020-1	1	Ground slab, 5" thick slab, 3000 PSI concrete, 12" deep bank run gravel	450 SF
61422	61422-B1020-1	2	Bldg. footings and foundations demolition, floors, concrete slab on grade, plain concrete, 6" thick, excludes disposal costs and dump fees	450 SF
61422	61422-B1020-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	0.9 Week
61422	61422-B1020-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	16.668 CY
61422	61422-B1020-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	33.336 Ton
61422	61422-B2010-1	1	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	72000 L.F.
61422	61422-B2010-1	2	Bldg. footings and foundations demolition, remove concrete footing, 1'-6" thick, 2' wide, excludes disposal costs and dump fees	72000 L.F.
61422	61422-B2010-1	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	545.4 Week
61422	61422-B2010-1	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	8000 C.Y.
61422	61422-B2010-1	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	15984 Ton
61422	61422-B2010-2	1	Stone wall, ashlar veneer, 4" thick, 8' high, 2x4@16" stud back-up, low priced stone	4800 S.F.
61422	61422-B2030-1	1	Replace 3'-0" x 7'-0" steel, painted, door	5 EA
61422	61422-B3010-1	1	Selective demolition, thermal and moisture protection, roofing, modified bitumen	4.5 Sq.
61422	61422-B3010-1	2	Ethylene-propylene-diene-monomer roofing, (EPDM), 0.40 P.S.F., fully adhered with adhesive, 60 mils	4.5 Sq.
61422	61422-C2010-1	1	Stairs, concrete, cast in place, no nosings, no railings, 24 risers	4 Flight
61422	61422-F1010-1	1	Painted pavement markings, acrylic waterborne, white or yellow, 4" wide	43200 L.F.
61422	61422-F1010-2	1	Fence, chain link industrial, aluminized steel, 6 ga. wire, 2" posts @ 10' OC, 6' high, includes excavation, & concrete, excludes barbed wire	350 L.F.
61422	61422-F1010-3	1	Signs, guide and directional signs, high intensity, 12" x 18", excludes posts	331 Ea.
61421	61421-C3010-1	1	Replace 5/8" drywall	1280 SF
61421	61421-C3020-1	1	Replace carpet	40 SY

APPENDIX O - DEFICIENCY ACTION ITEM TABLE

61421	61421-C3020-2	1	Replace vinyl sheet flooring	250 SF
61421	61421-C3030-1	1	Replace sheetrock ceiling	0.55 CSF
61421	61421-C3030-2	1	Replace acoustic tile ceiling, fire-rated	3.6 CSF
61421	61421-C3030-3	1	Replace acoustic tile ceiling, fire-rated	1.92 CSF
61421	61421-C1020-1	1	Replace 3'-0" x 7'-0" hollow core wood door interior	1 EA
61421	61421-C1020-2	1	Replace 3'-0" x 7'-0" hollow core wood door interior	1 EA
61419	61419-G2010-11	1	Selective demolition, misc metal fences & gates, metal tubular picket fences, 4'-6' high	80 L.F.
61419	61419-G2010-11	2	Security gate, driveway, steel, single leaf, 10' wide, includes frame and hardware	5 Opng.
61422	61422-B2010-3	1	Structural concrete, in place, column (4000 psi), square, max reinforcing, 12" x 12", includes forms(4 uses), reinforcing steel, concrete, placing and finishing	88.88889 C.Y.
61422	61422-B2010-3	2	Selective concrete demolition, 2 - 5 tons, remove whole pieces, incl loading, excludes shoring, bracing, saw or torch cutting, hauling, dumping	50.74286 Ea.
61422	61422-B2010-3	3	Selective demolition, rubbish handling, dumpster, 10 C.Y., 4 ton capacity, weekly rental, includes one dump per week, cost to be added to demolition cost.	4 Week
61422	61422-B2010-3	4	Selective demolition, rubbish handling, loading & trucking, chute loaded, including 2 mile haul, cost to be added to demolition cost.	88.88889 C.Y.
61422	61422-B2010-3	5	Selective demolition, dump charges, typical urban city, building construction materials, includes tipping fees only	177.6 Ton
61423	61423-G4010-5	1	Replace infrared heater suspended, commercial	1 EA
61423	61423-G4010-5-PM	1	Maintenance and inspection baseboard heating units	1 EA

For Internal NPS