

The background of the slide is a grayscale photograph of the Minnesota State Capitol building in Saint Paul, Minnesota. The building features a prominent central dome with a lantern on top, flanked by two smaller domes. The facade is classical, with many windows and columns. The foreground shows a snow-covered lawn and some trees without leaves.

MOCA

Capitol Preservation Commission

Minnesota State Capitol Restoration

August 24, 2015

State Capitol Restoration

Site Security Enhancements and Other Out-of-Scope Work

The project team is moving forward with the out-of-scope work approved by the Capitol Preservation Commission at its May 6, 2015 meeting and subsequently funded by the legislature in the 2015 bonding bill (2015 Laws of MN, 1st Special Session, Chapter 5, Article 1, Section 8).

Consistent with the direction provided by the Preservation Commission, the authorizing language for the appropriation of funds for security enhancements requires the Commissioner of Administration to submit **site security design elements** to the Capitol Preservation Commission and to obtain approval of the commission prior to proceeding with construction of those elements.

Four items identified in the 2015 appropriation are presented in this document for your consideration as follows:

- 1 **Visitor Access/Bus Circulation – Curb Cuts into Cedar Street (North and South Locations) – Approved May 6, 2015**
- 2 **Modifications to Aurora Avenue – Eliminate Parking, Create a Plaza – Approved May 6, 2015**
- 3 **Enhanced Landscaping for Lot O – Paving materials, New Walks, Landscaping Buffer – Approved May 6, 2015**
- 4 **Site Security Improvements – Lighting, Cameras, Access**

Approval will be requested at this commission meeting for **site security elements**.

Historical Precedent – Cass Gilbert’s Vision on Aurora



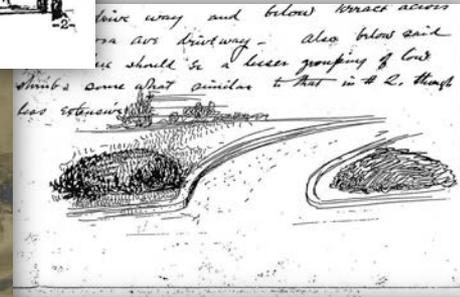
Cass Gilbert’s Aurora Vision

- Straigten Aurora
- Pedestrian Friendly
- Previous angled roads to East and West no longer exist
- Cass Gilbert’s intentions believed to be straight lines
- Pavement Patterns at Plaza and Upper Mall Walkways



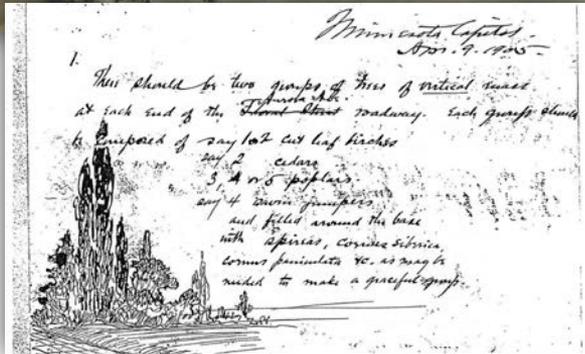
* Function * Architectural Integrity * Life Safety *

Historical Precedent – Cass Gilbert’s Vision on Landscaping



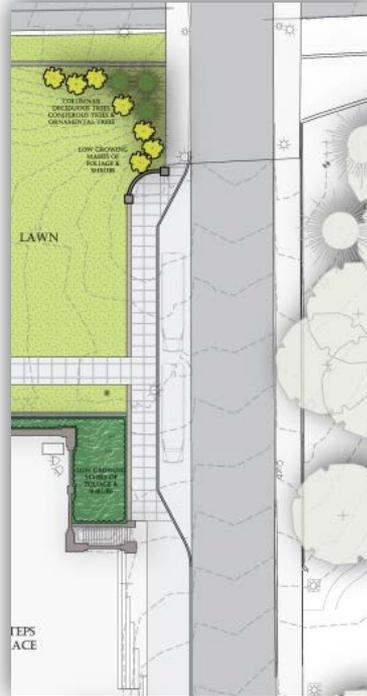
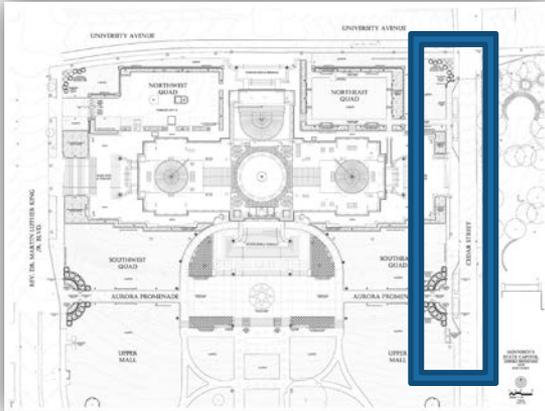
Cass Gilbert’s Landscaping Vision

- Central Plaza
- Central Gathering Space
- Low Plantings Near Building and Walkways
- Columnar Plantings at Aurora’s End Points
- Open Courtyard Elements at the North Quads (Lot N and Lot O)

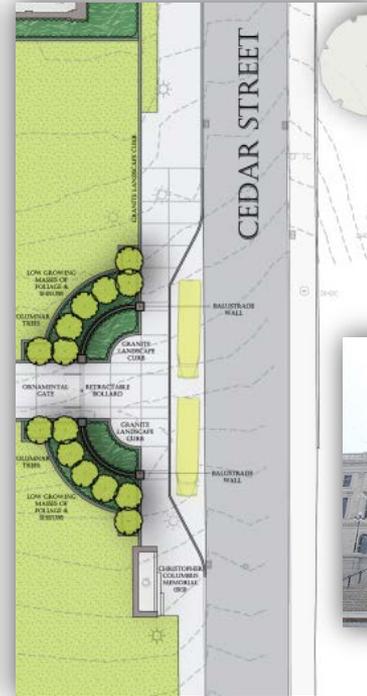


Additional Site Scope Detail

Visitor Access/Bus
Circulation



North Curb Cut



South Curb Cut

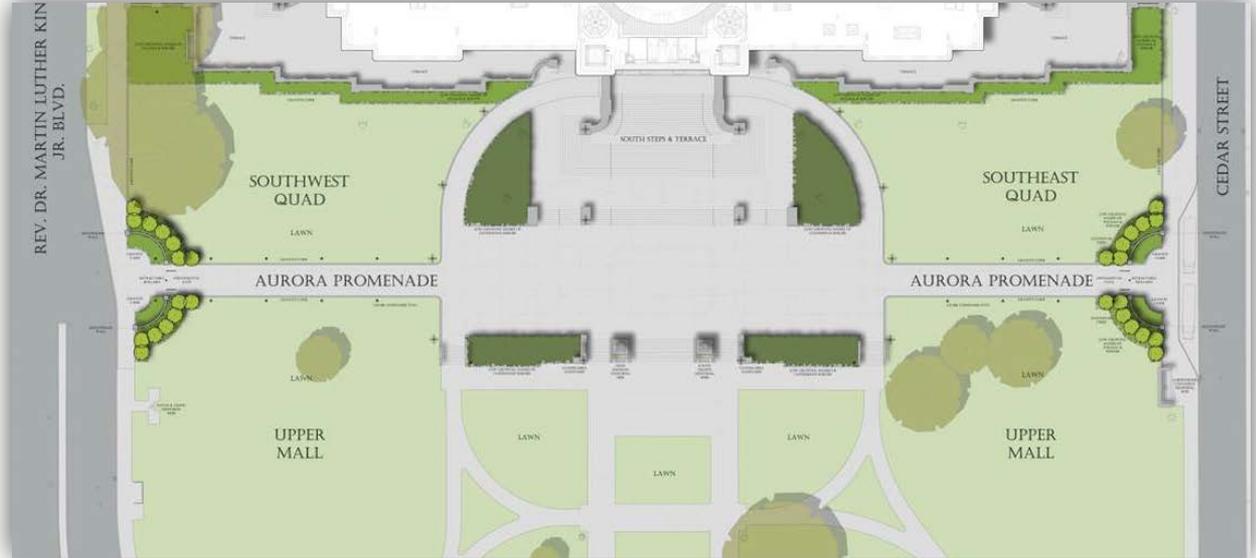
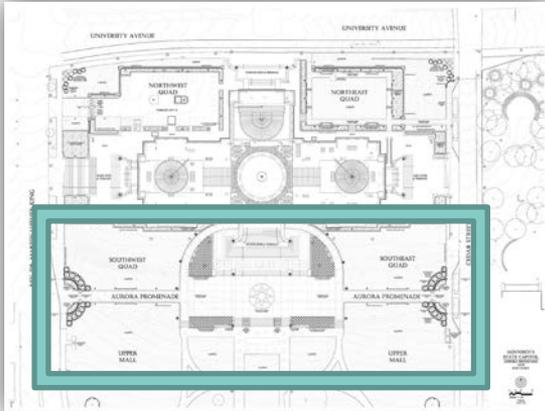
- 2 Curb Cuts on Cedar Street
- 2 School Buses each
- ADA Access to Building
- No Buses on Aurora
- No Buses in Northeast Quadrant



* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail

Modifications to Aurora Avenue

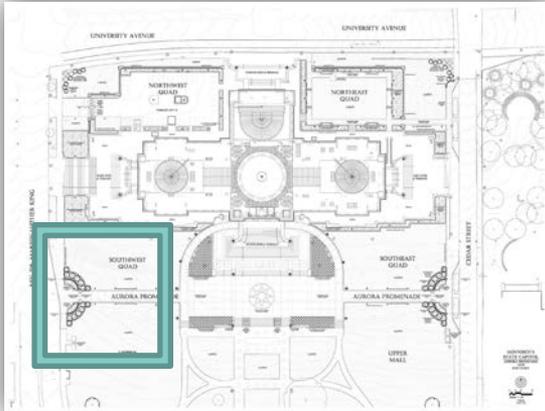


- Pedestrian Promenade using Concrete
- Plaza Gathering Space
- Elimination of Select Trees Near Building
- Low Vegetation Near Building
- Columnar Plantings at Aurora End Points
- Coordination w/ Lighting & South Stair Work

* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail

Modifications to Aurora Avenue



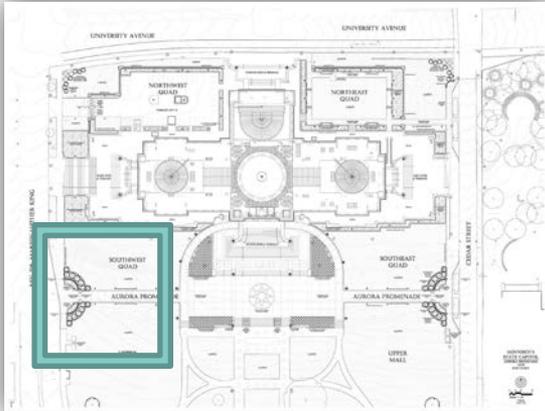
East Entrance

- Improve Security
- Pedestrian Access
- Emergency Vehicle Access
- Fixed & Removable Bollards
- Decorative Gate
- Columnar Vegetation
- Stone Balustrade
- Eliminate Parking

* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail

Modifications to Aurora Avenue



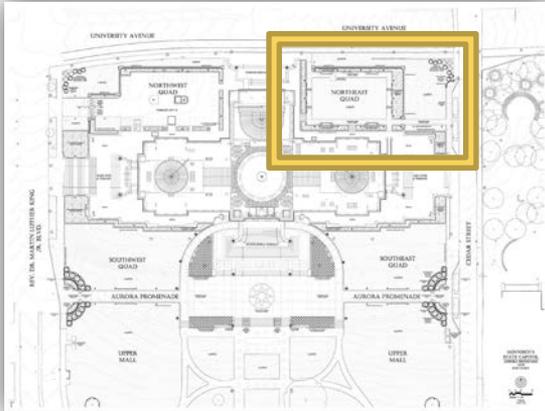
East Entrance

- Improve Security
- Pedestrian Access
- Emergency Vehicle Exit
- Fixed & Removable Bollards
- Decorative Gate
- Columnar Vegetation
- Stone Balustrade
- Eliminate Parking

* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail

Enhanced
Landscaping for
Lot O



Northeast Quad (Lot O)

- Eliminate Parking
- Provide Walkway Connection Between North Doors and East Doors
- ADA Accessibility
- Paving Materials
- Landscape Buffer
- Bollards to Prevent Vehicle Access
- Improved Security

* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail for Commission's Approval

Security
Improvements

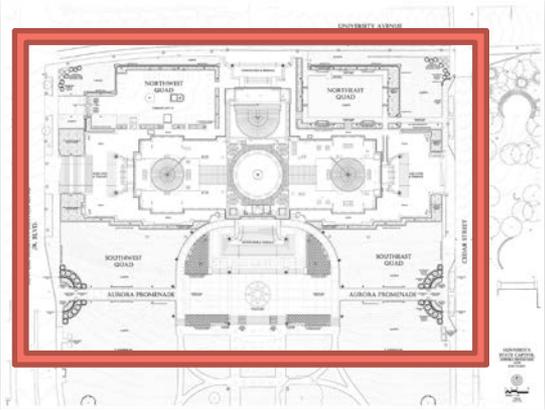


Northwest Quad (Lot N)

- Gated Entry
- Vehicle Wedge Barrier or Control Gate for Entry and Exit
- Emergency Vehicle Access
- Enhanced Lighting
- Enhanced Landscaping
- Improved Security

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Additional Site Scope Detail for Commission’s Approval



Single Globe Light



Five Globe Light



Flood Light



Existing Site Lighting



Street Light



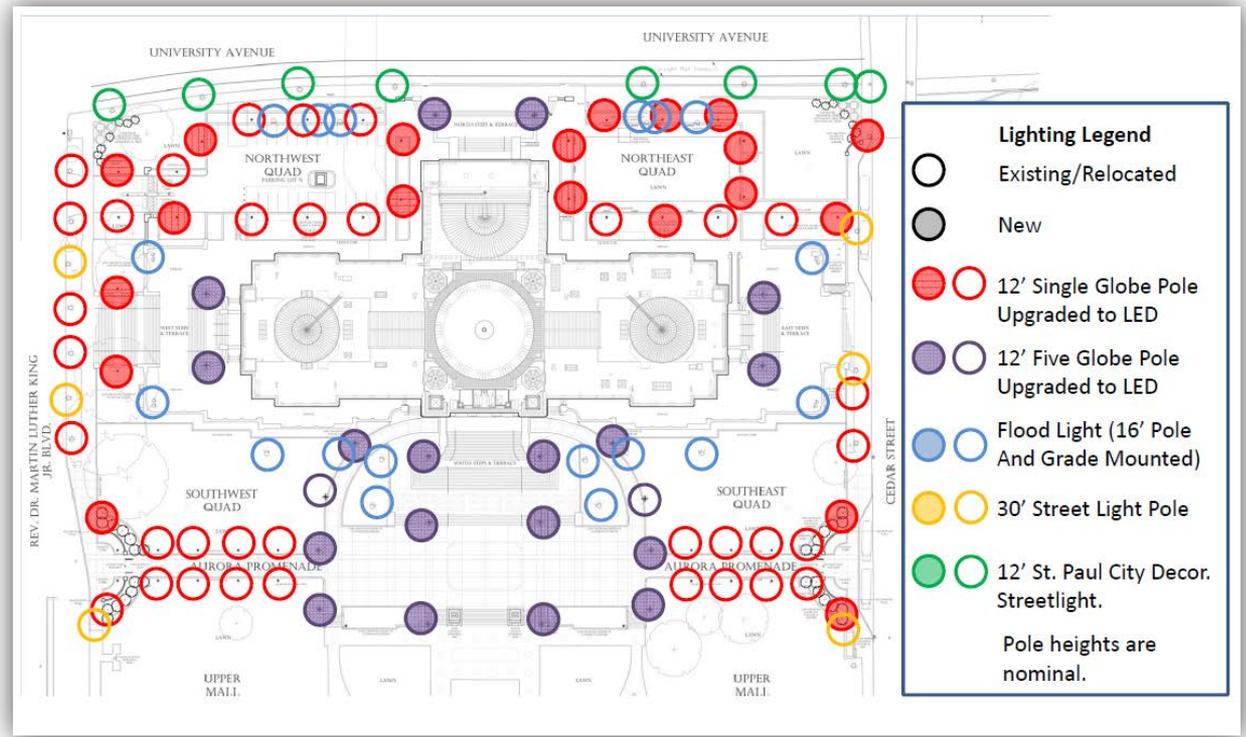
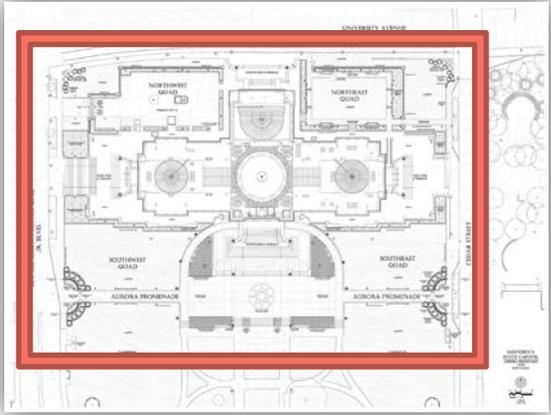
St. Paul City Standard Light



* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail for Commission's Approval

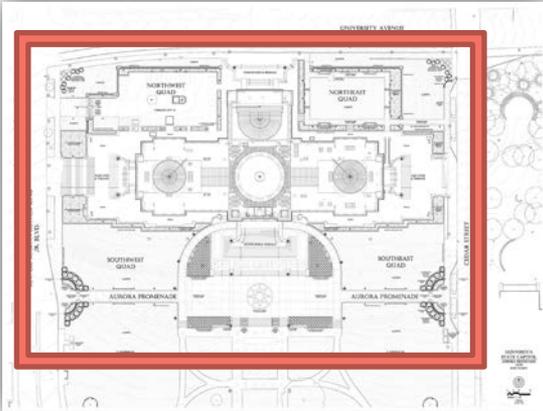
Security Improvements



* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail for Commission's Approval

Security Improvements

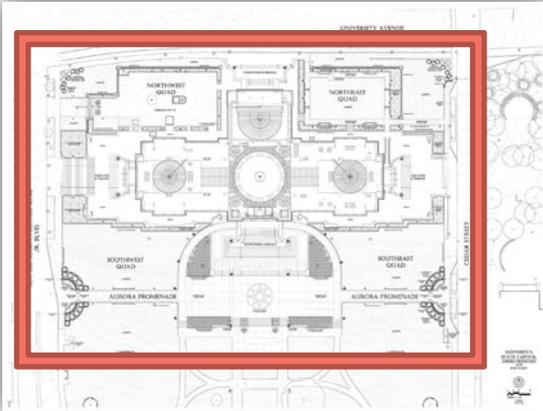


- Replace Slender Light Poles to match the Thicker Poles
- All Site Lighting Changed to LED
- Flood Lighting Lamps to Remain as Currently Engineered with no changes to Lamps or Location.

* Function * Architectural Integrity * Life Safety *

Additional Site Scope Detail for Commission's Approval

Security Improvements



Lighting

B3 Requirements

- Full cut-off fixtures
- No lighting trespass at project boundaries
- 30% reduction from energy code

Existing Lighting:

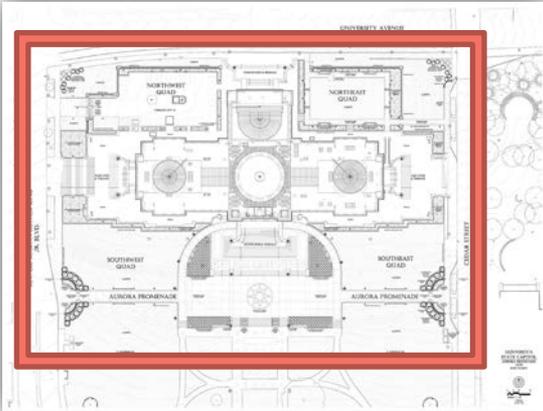
- Not full cut-off fixtures
- Lighting is not fully contained within site boundaries

Enhanced Security Lighting:

- Not full cut-off fixtures – exception required
- Lighting is not fully contained within site boundaries – exception required
- Meets 30% reduction from energy code

Additional Site Scope Detail for Commission's Approval

Security Improvements



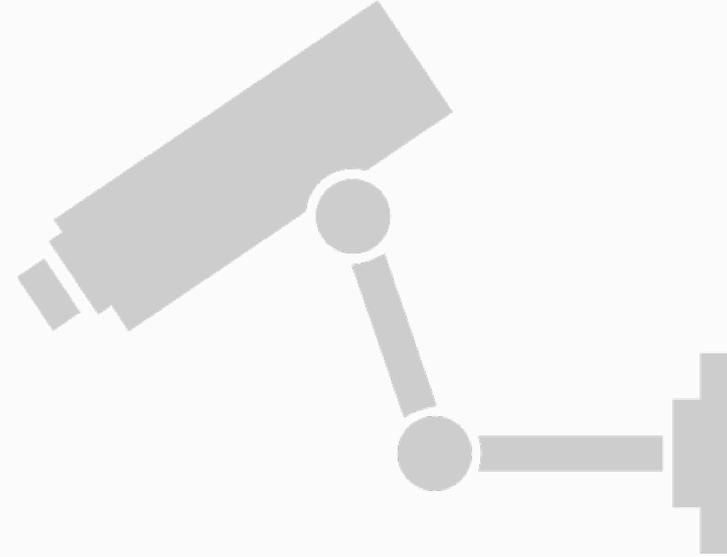
Security Cameras

Fixed Cameras

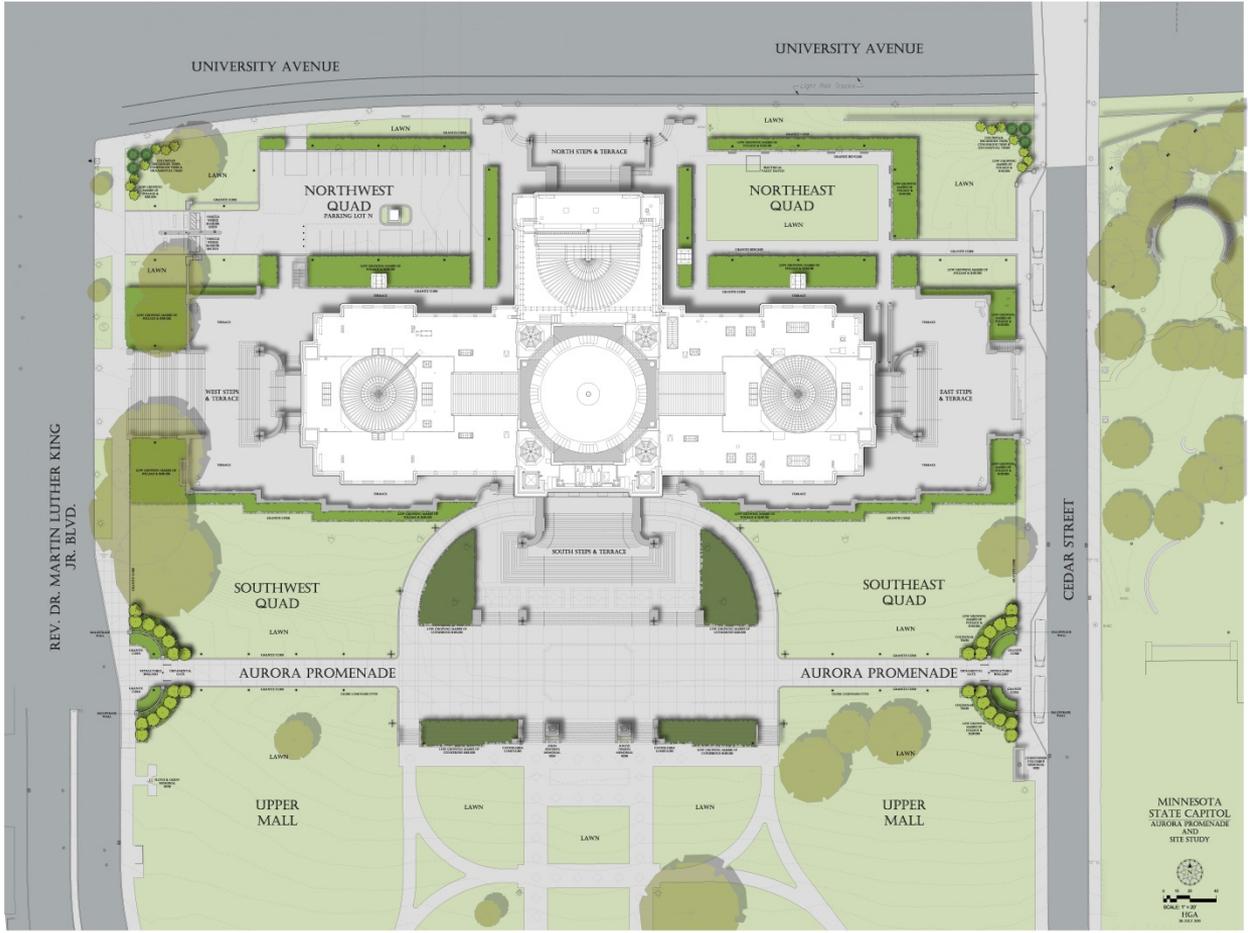
- Currently utilizing 2 on site
- Recommendation to add 1
- 3 Total

PTZ Cameras

- Currently utilizing 10 on site
- Recommendation to add 6
- 16 Total



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Next Steps

Upon acceptance of these Site Security items by the Minnesota State Capitol Preservation Commission, the design team will have approval to move forward and further develop these concepts.

The current estimate of these items is \$6.2M

Minnesota State Capitol Restoration

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