



# South St. Paul

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**MAYOR/COUNCIL WORKSESSION**  
SSP City Hall  
125 3<sup>rd</sup> Avenue North

Monday, September 12, 2016  
7:00 p.m.

AGENDA:

1. Update for I-494 Auxiliary Lane Addition & Rehabilitation and Noise Barrier Analysis Process – MnDOT
2. Lighting Discussion for Southview Boulevard & 3<sup>rd</sup> Avenue Improvements Final Design



## COUNCIL WORKSESSION REPORT

DATE: SEPTEMBER 12, 2016

DEPARTMENT: Engineering

ADMINISTRATOR: SPK

1

### AGENDA ITEM: Update for I-494 Auxiliary Lane Addition & Rehabilitation and Noise Barrier Analysis Process

#### **ACTION TO BE CONSIDERED:**

Information item only; no action required

#### **OVERVIEW:**

In February 2016, the Minnesota Department of Transportation (MnDOT) informed staff of a proposed construction project for I-494 westbound in 2018 which would construct an auxiliary lane east of Concord Street (TH 156) to the existing auxiliary lane west of 7<sup>th</sup> Avenue South in South St. Paul. This project would require widening and repair of the bridge over Concord Street, drainage infrastructure improvements, roadside safety improvements, retaining walls and noise barrier construction, construction of the auxiliary lane, bituminous milling & overlay, and concrete pavement diamond grinding & repair of the existing roadway (Attachment A: Project Location Map).

In South St. Paul, this roadway corridor is ranked no. 37 of 234 in the MnDOT 2016 Highway Noise Abatement Study. The proposed construction requires MnDOT to assess the existing noise levels and predict the future noise level and impacts. If noise impacts are identified, MnDOT is required by federal law to consider noise mitigation measures, such as installing noise barriers. MnDOT follows the requirements established by federal law, Federal Highway Administration Noise Abatement Criteria, Minnesota Pollution Control Agency State Noise Standards, and MnDOT's Noise Policy and noise analysis guidelines. Staff from MnDOT will present an update on the project and the noise analysis determinations and process at the September 12, 2016, City Council Worksession meeting.

#### **TIMELINE & SCHEDULE:**

In late September 2016, MnDOT will be hosting a public open house to engage the public and share information on the proposed improvements along with presenting the noise wall analysis procedures. An update on the proposed project and the results of the noise wall analysis will be presented to the City Council in the fall of 2016.

#### **SOURCE OF FUNDS:**

No fiscal impact at this time.





# I-494 Auxiliary Lane & Rehabilitation Project Information and Noise Barriers

Presentation for South St. Paul City Council Work  
Session

Monday, September 12, 2016

We all have a stake in **A**  **B**





# Project Information

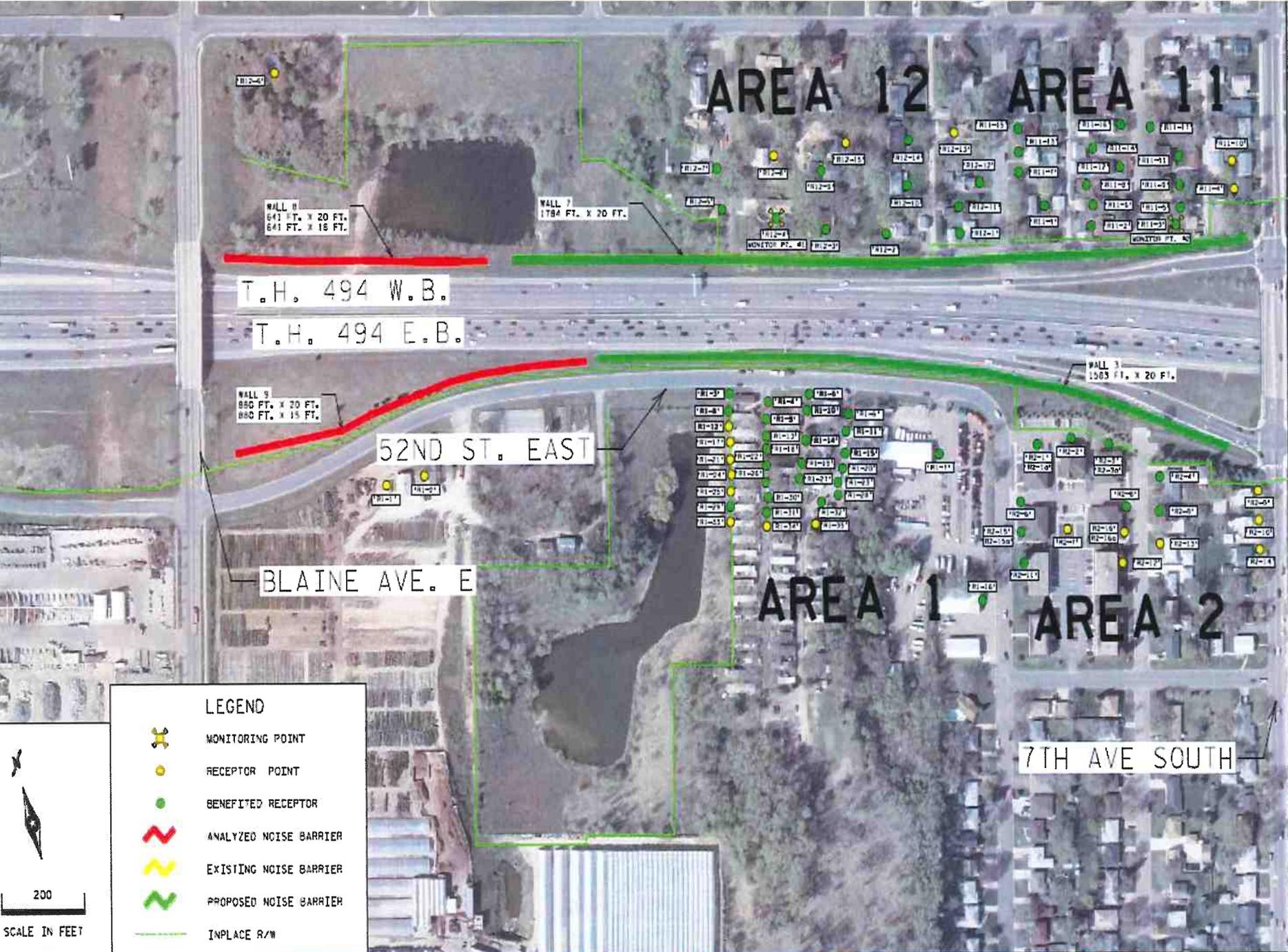
- ▶ Construct auxiliary lane to reduce congestion
- ▶ Replace and repair storm sewer trunk line to ensure adequate drainage capacity and constructing ponds
- ▶ Construct noise walls to meet standards
- ▶ Scheduled for construction in 2018



# MnDOT Noise Process Video

- ▶ <https://www.youtube.com/watch?v=b9Cl6BYE6qg>





AREA 12

AREA 11

AREA 1

AREA 2

T.H. 494 W.B.

T.H. 494 E.B.

52ND ST. EAST

BLAINE AVE. E

7TH AVE SOUTH

LEGEND

-  MONITORING POINT
-  RECEPTOR POINT
-  BENEFITED RECEPTOR
-  ANALYZED NOISE BARRIER
-  EXISTING NOISE BARRIER
-  PROPOSED NOISE BARRIER
-  INPLACE R/W

200  
SCALE IN FEET

WALL 6  
641 FT. X 20 FT.  
641 FT. X 18 FT.

WALL 7  
1784 FT. X 20 FT.

WALL 9  
880 FT. X 20 FT.  
880 FT. X 15 FT.

WALL 3  
1063 FT. X 20 FT.

MONITOR PT. 41

MONITOR PT. 42

MI-01

MI-02

MI-03

MI-04

MI-05

MI-06

MI-07

MI-08

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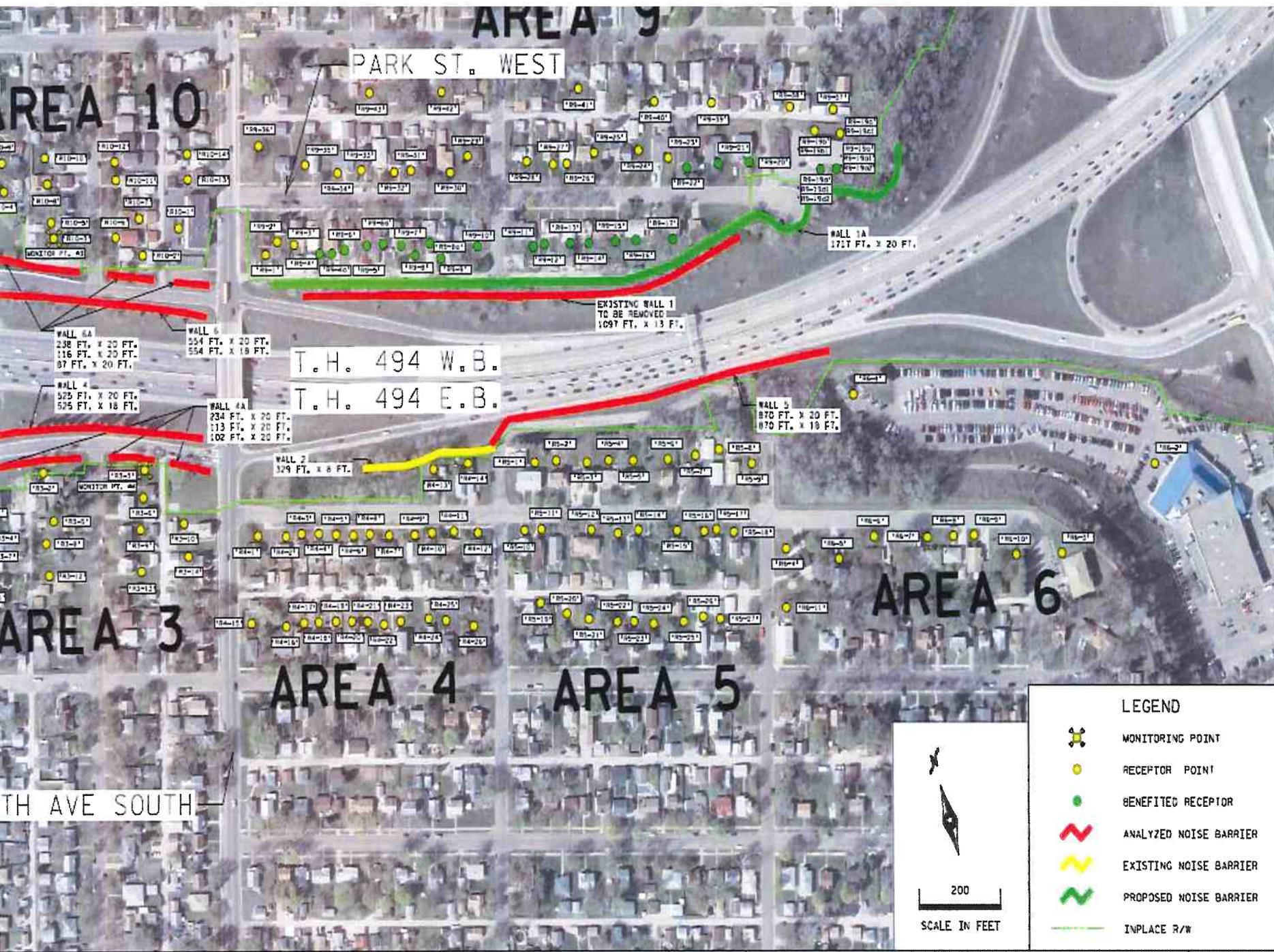
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RI-234

RI-235

RI-236

RI-237



AREA 10

AREA 9

PARK ST. WEST

T.H. 494 W.B.

T.H. 494 E.B.

AREA 6

AREA 3

AREA 4

AREA 5

TH AVENUE SOUTH

LEGEND

-  MONITORING POINT
-  RECEPTOR POINT
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-  ANALYZED NOISE BARRIER
-  EXISTING NOISE BARRIER
-  PROPOSED NOISE BARRIER
-  INPLACE R/W



# Next Steps

- ▶ Mid to late Sept 2016 – mail noise ballots to benefitted receptors
- ▶ Late Sept/Early Oct 2016 – hold meeting for benefitted owners/residents
- ▶ Mid to late Oct 2016– end of voting comment period
- ▶ Dec 2016 – Publish results of noise voting in Categorical Exclusion document



# Questions?

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**COUNCIL WORKSESSION REPORT**

**DATE: SEPTEMBER 12, 2016**

**DEPARTMENT: Engineering**

**ADMINISTRATOR: SPK**

2

**AGENDA ITEM: Lighting Discussion for Southview Boulevard & 3<sup>rd</sup> Avenue Improvements Final Design**

**ACTION TO BE CONSIDERED:**

Information item only; staff is requesting input and direction.

**OVERVIEW:**

The City of South St. Paul is partnering with Dakota County on Southview Boulevard (CSAH 14) from 20<sup>th</sup> Avenue South to 3<sup>rd</sup> Avenue South and along 3<sup>rd</sup> Avenue South from Southview Boulevard to Marie Avenue. The Southview Boulevard roadway corridor was last reconstructed in the late 1980's. Traffic control devices and infrastructure are in need of updating to improve the safety of intersections, to create pedestrian facilities compliant with the Americans with Disabilities Act (ADA), and to revise the roadway geometry to complement the existing land use and traffic volumes.

**LIGHTING DISCUSSION:**

A preliminary photometric analysis with assistance from Xcel Energy has recently been completed for lighting within the Southview Boulevard corridor. Based on this analysis, the City has several different alternatives for consideration that vary in both costs and aesthetics. All of the alternatives will create an even distribution of light within the corridor which will increase pedestrian and vehicle safety (Attachment A: Southview Lighting Discussion).

**TIMELINE & SCHEDULE:**

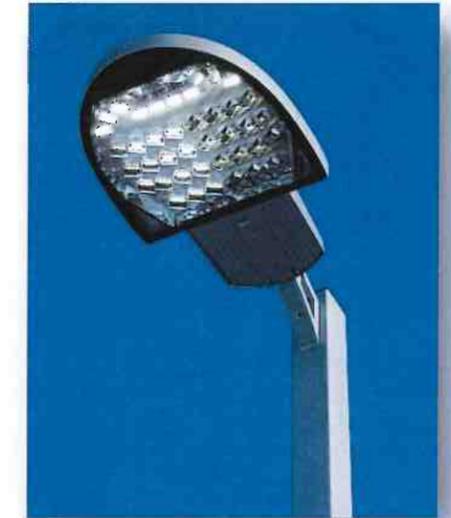
Staff is continuing to work with Dakota County and the consulting engineering firm for staging and phasing recommendations as well as right of way acquisition this summer into the fall. On September 29<sup>th</sup>, staff will hold a combined Business & Citizen Advisory Committee Meeting to discuss construction staging and project updates in the City Hall Training Room at 7:30 a.m.

**SOURCE OF FUNDS:**

No fiscal impact at this time.



COBRAHEAD STYLE LED LIGHT FIXTURE



ACORN STYLE HPS LIGHT FIXTURE (PEDESTRIAN SCALE)



**COST ESTIMATE**

COBRAHEAD STYLE LED LIGHTING @ \$5,000 PER UNIT

ACORN STYLE LIGHTING @ \$8,000 PER UNIT

BANNER ARMS @\$300 PER UNIT

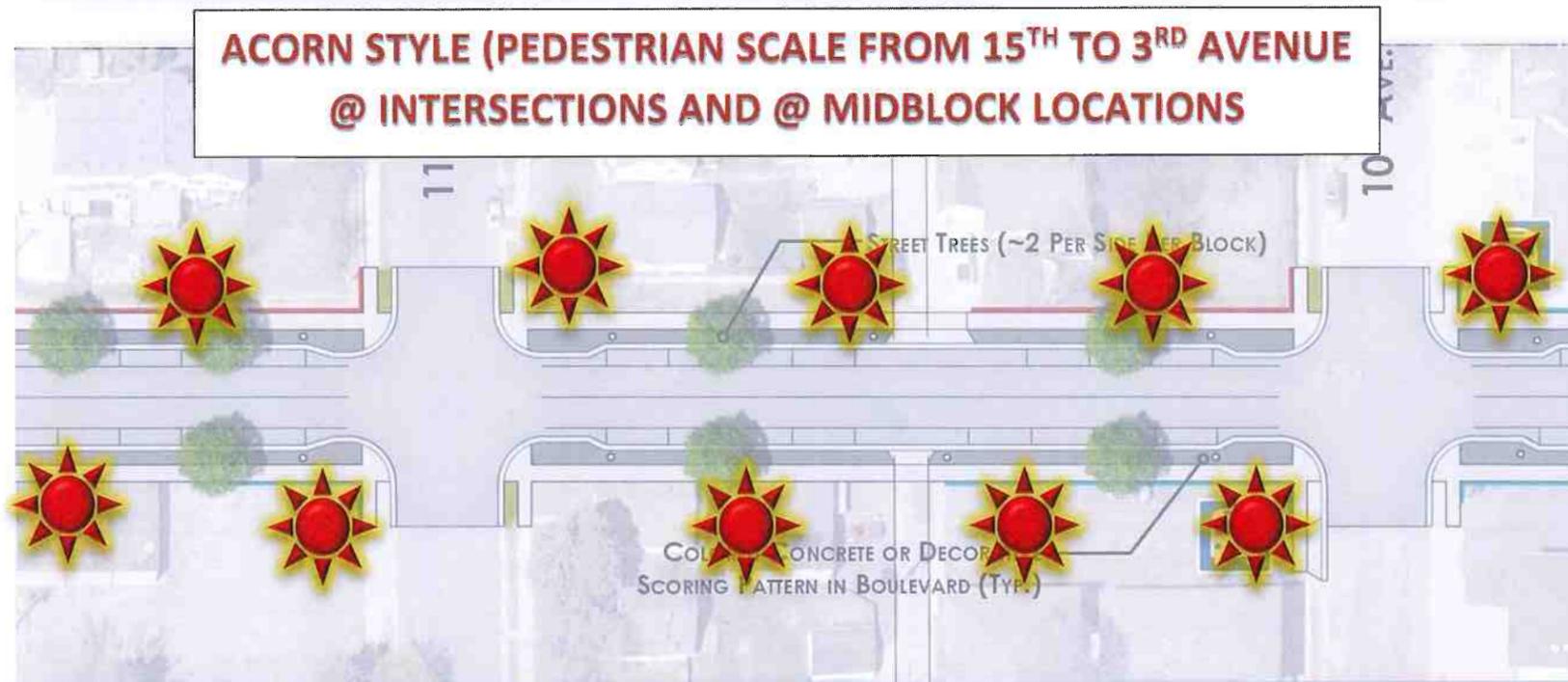
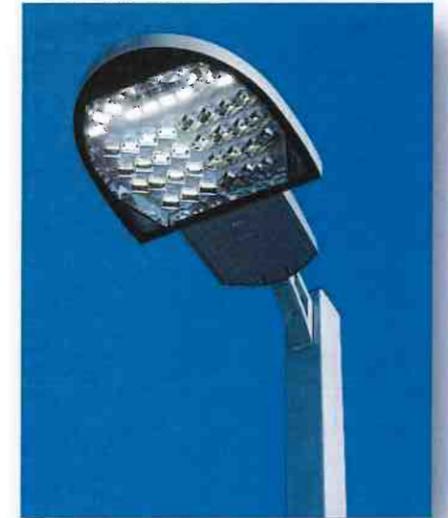
**TOTAL APPROXIMATE CITY COST = \$345,000**

**POSSIBILITIES FOR HOLIDAY DECORATIONS**

- COBRAHEAD: LARGER DECORATIONS
- ACORN STYLE: TWINKLE LIGHTS



COBRAHEAD STYLE LED LIGHT FIXTURE



ACORN STYLE HPS LIGHT FIXTURE (PEDESTRIAN SCALE)



**COST ESTIMATE**

COBRAHEAD STYLE LED LIGHTING @ \$5,000 PER UNIT

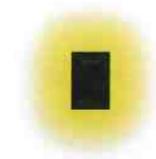
ACORN STYLE LIGHTING @ \$8,000 PER UNIT

BANNER ARMS @\$300 PER UNIT

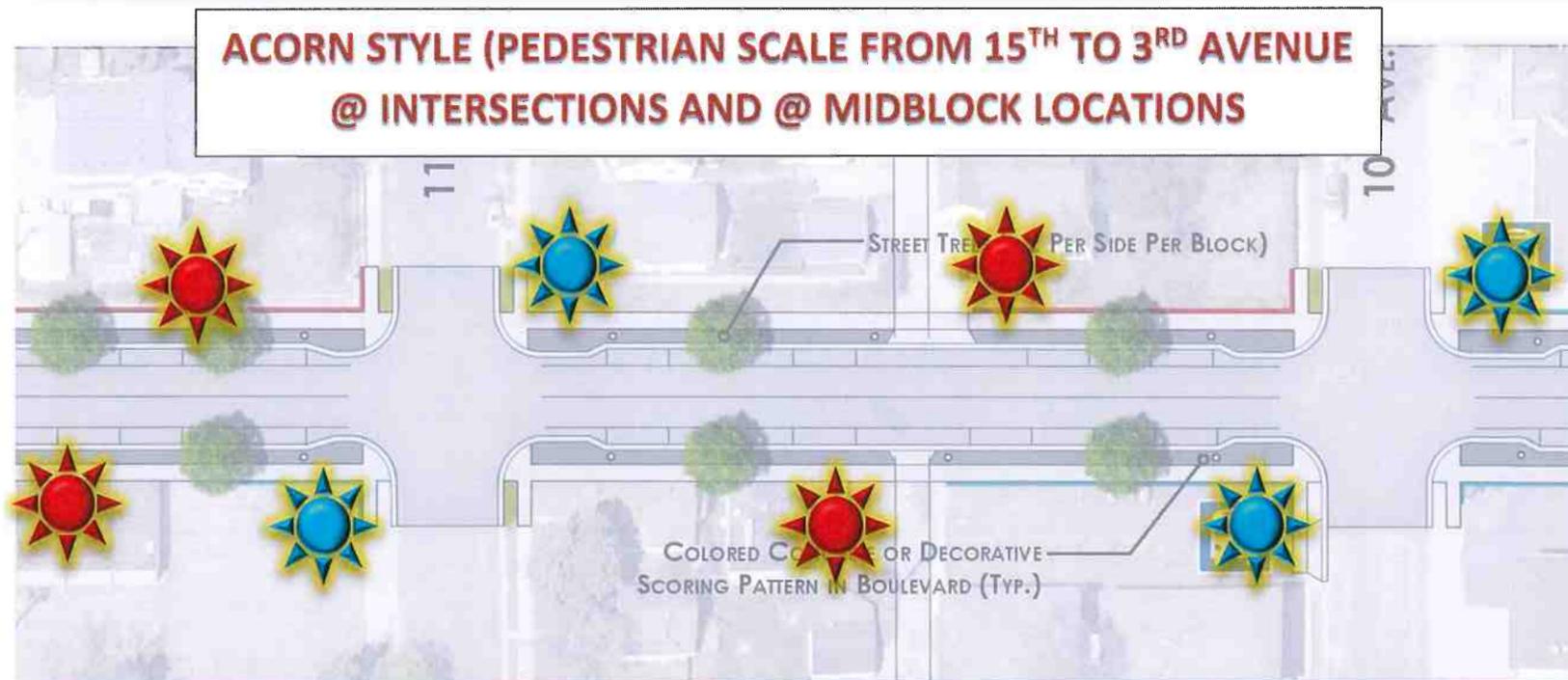
**TOTAL APPROXIMATE CITY COST = \$670,000**

**POSSIBILITIES FOR HOLIDAY DECORATIONS**

- COBRAHEAD: LARGER DECORATIONS
- ACORN STYLE: TWINKLE LIGHTS



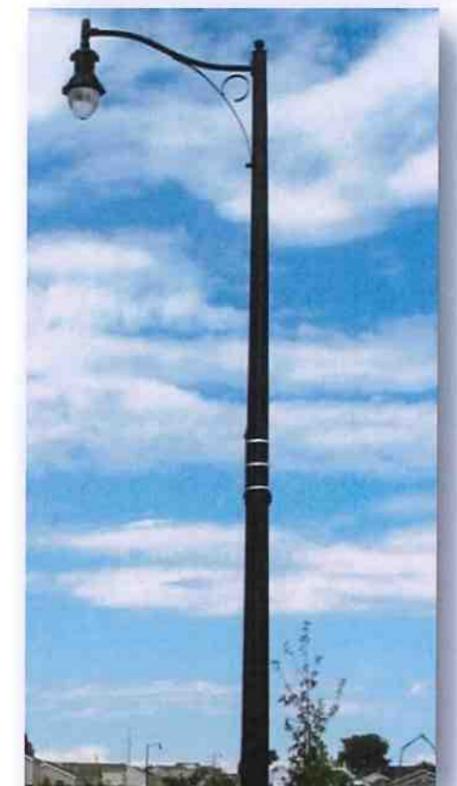
COBRAHEAD STYLE LED LIGHT FIXTURE (GREY COLOR)



ACORN STYLE HPS LIGHT FIXTURE (PEDESTRIAN SCALE) (BLACK COLOR)



TEARDROP STYLE HPS LIGHT FIXTURE (PEDESTRIAN SCALE) (BLACK COLOR)



**COST ESTIMATE**

COBRAHEAD STYLE LED LIGHTING @ \$5,000 PER UNIT  
 ACORN STYLE LIGHTING @ \$8,000 PER UNIT  
 TEARDROP STYLE LIGHTING @ \$10,800  
 BANNER ARMS @\$300 PER UNIT  
**TOTAL APPROXIMATE CITY COST = \$547,000**

**POSSIBILITIES FOR HOLIDAY DECORATIONS**

- COBRAHEAD & TEARDROP: LARGER DECORATIONS
- ACORN STYLE: TWINKLE LIGHTS