

2019 Guardrail Treatment Safety Improvements

Public Works Department





Supportive, Sustainable Infrastructure

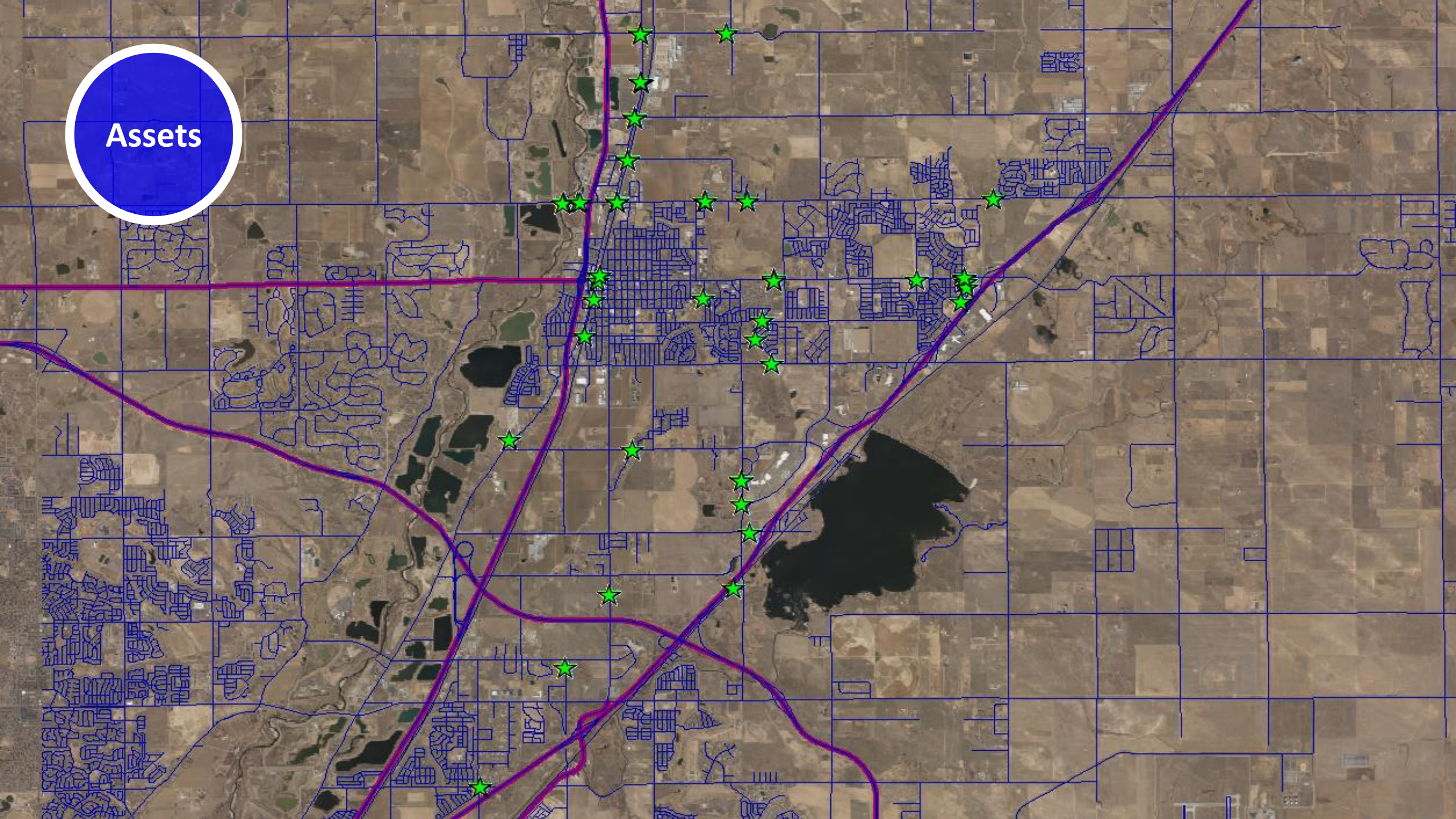
Project



Assets

Inspections

Plan



Brighton Guardrail Inspection Report
City of Brighton, CO

Date of Inspection and location:

Structure ID:	5
Date of Inspection:	06/14/2019
Inspector:	Gerardo Martinez
Location:	E. Crown Prince Blvd
Nearest Intersection:	Main St (CR27)
X-coordinate	
Y-coordinate	

Inventory Data:

Guardrail Photos:	Attached	Shoulder Condition:	Good
Guardrail Condition:	N/A	Number of Total Post:	N/A
Length of Guardrail (ft.):	N/A	Number of Bad Post:	N/A
Height of Guardrail (in.):	N/A	Number of Missing or loose hardware components:	None
Direction of Travel:	Westbound (WB)	Rating of Damage:	N/A
End Terminal type:	N/A	Priority for Repair: (1-5, 1 being highest need for repair)	1
Guardrail Section(s) Missing:	N/A		

Comments:

No guardrail is in place; slab is about 22 feet. Priority 1

No Guardrail Photo:



FIGURE 13: VIEWING NORTH ON THE WESTBOUND SIDE OF THE DITCH

Inspections

Brighton Guardrail Inspection Report
City of Brighton, CO

Date of Inspection and location:

Structure ID:	11
Date of Inspection:	06/21/2019
Inspector:	Gerardo Martinez
Location:	Baseline Road (CR2)
Nearest Intersection:	Main St (CR27)
X-coordinate	
Y-coordinate	

Inventory Data:

Guardrail Photos:	Attached	Shoulder Condition:	Good
Guardrail Condition:	Good	Number of Total Post:	2
Length of Guardrail (ft.):	15	Number of Bad Post:	None
Height of Guardrail (in.):	29	Number of Missing or loose hardware components:	None
Direction of Travel:	Westbound (WB)	Rating of Damage:	Moderate
End Terminal type:	Fish End Terminal	Priority for Repair: (1-5, 1 being highest need for repair)	5
Guardrail Section(s) Missing:	N/A		

Comments:

Minor westbound damage but guardrail remains operational. Priority 5

No Guardrail Photos:

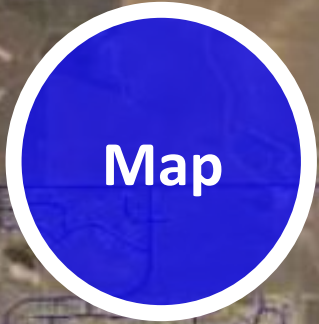
Inspections



FIGURE 22: VIEWING GUARDRAIL FROM THE EAST IN THE WESTBOUND DIRECTION APPROACHING MAIN STREET (CR27)



FIGURE 23: MINOR BEND TO GUARDRAIL IN THE WESTBOUND SIDE



LOCATION 2: JUST WEST OF THE INTERSECTION OF
CROWN PRINCE BOULEVARD AND COUNTY ROAD 27.

LOCATION 3: JUST EAST OF THE INTERSECTION
OF COUNTY ROAD 27 AND COUNTY ROAD 4

LOCATION 4: JUST EAST OF THE INTERSECTION
OF COUNTY ROAD 27 AND COUNTY ROAD 2.5.

LOCATION 5: JUST WEST OF TELLURIDE
STREET ON ALONG BRIDGE STREET.

LOCATION 1: SABLE BOULEVARD NORTH OF
E-470, SOUTHBOUND DIRECTION ONLY.



Contract



Scope

Financials

Schedule

Scope



VICINITY MAP

NOTE: FOR ILLUSTRATION PURPOSES ONLY ACTUAL GUARDRAIL TO VARY

PROJECT NOTES:

1. APPROXIMATELY 30 LINEAR FEET OF NEW GUARDRAIL ON EACH SIDE OF THE DITCH STRUCTURE
2. TWO (2) FLARED END TREATMENTS WILL BE REQUIRED FOR A TOTAL OF 4
3. BOTH MASH AND CDOT STANDARDS AND SPECIFICATION WILL GOVERN



Scope



NOTE: FOR ILLUSTRATION PURPOSES ONLY ACTUAL GUARDRAIL TO VARY

PROJECT NOTES:

1. APPROXIMATELY 70 LINEAR FEET OF NEW GUARDRAIL ON THE SOUTHBOUND LANE ALONG SABLE BLVD BETWEEN 132TH AVE AND E-470.
2. ONE (1) END TREATMENT ANCHOR WILL BE REQUIRED
3. BOTH MASH AND CDOT STANDARDS AND SPECIFICATION WILL GOVERN

VICINITY MAP



BIDDER	AMOUNT	SCORE
Adarand Constructors, Inc.	\$221,147.00	91.6
Cruz Construction, Inc.	\$113,490.00	93.3



ITEM

AMOUNT

Financials

Budget

\$165,000.00

Engineer Estimate

\$157,000.00

Contract Award

\$113,490.00

Schedule

TASK	DATE
Award Project	October 30, 2019
Initial Construction	December 1, 2019
Completion of Construction*	April 30, 2020

Project Benefits

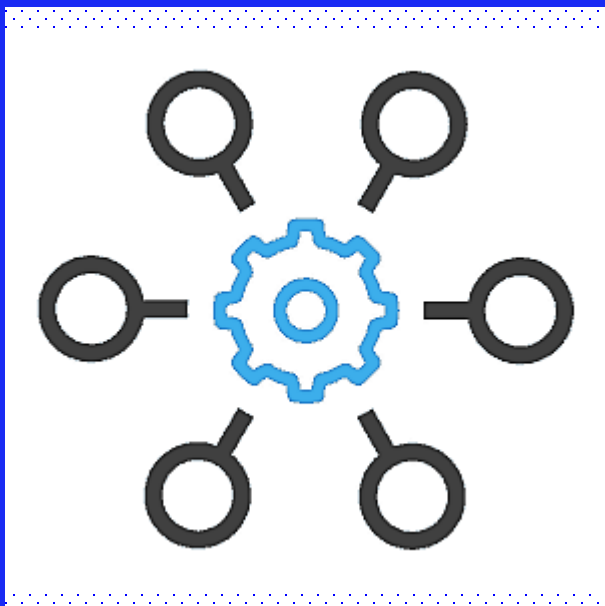


Safety

Repairs

Cost

Summary



Project

Recommendation

Plan

Award
Project &
Execute
Contract

Schedule
Work

Commence
Construction





**2019 Street Preservation
Change Order**
Public Works Department