2019 Guardrail Treatment Safety Improvements

Public Works Department

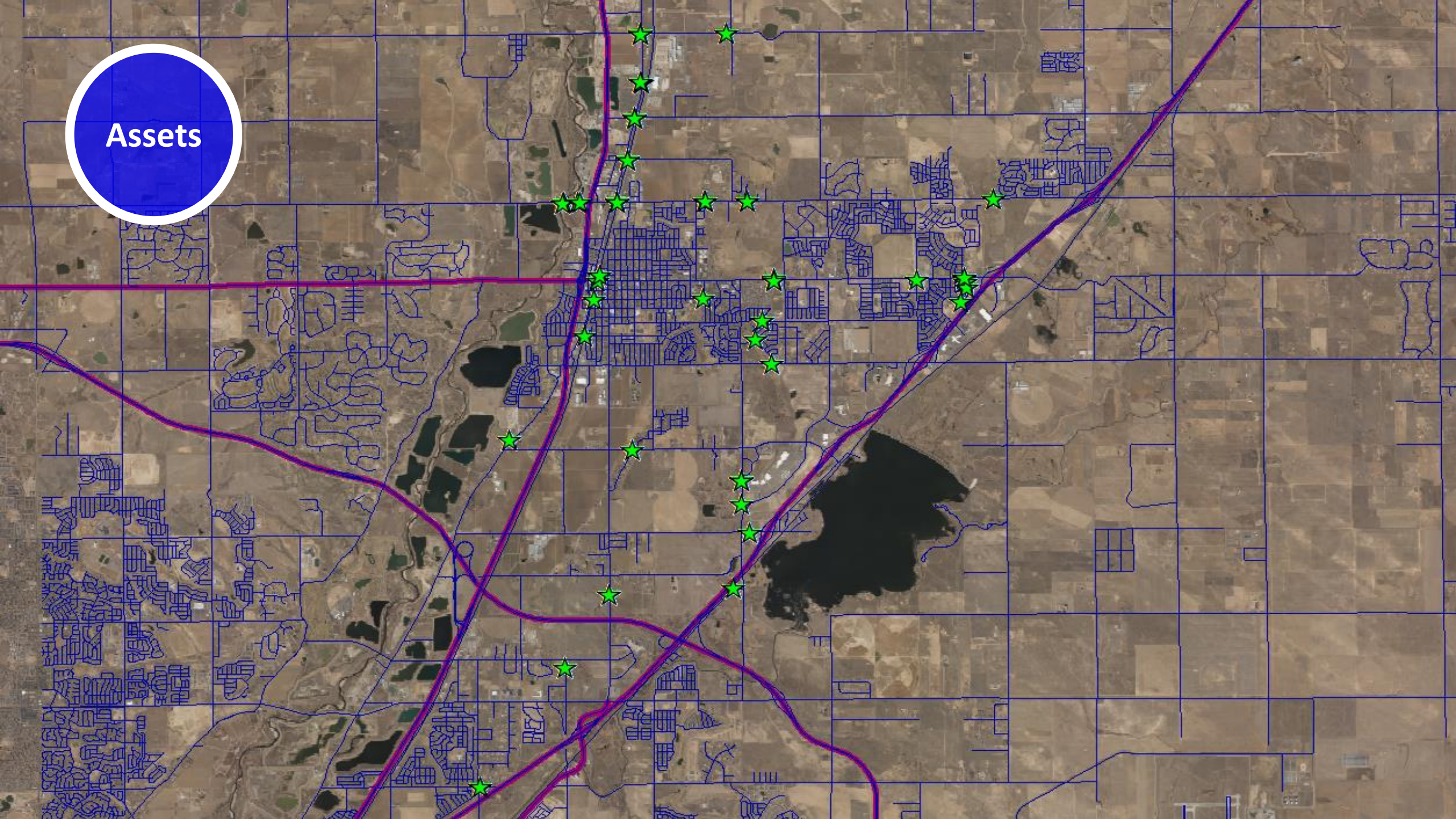
Supportive, Sustainable Infrastructure

Project

Assets

Inspections

Plan


Assets

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:

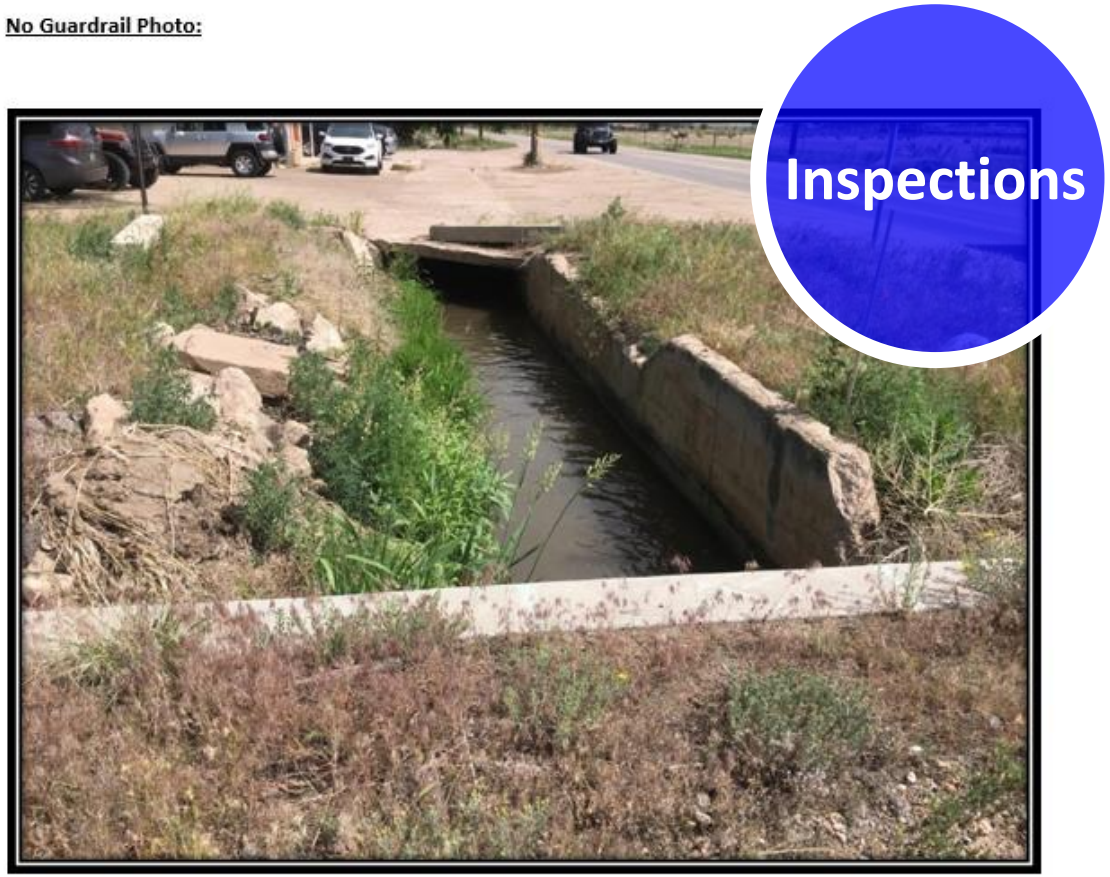


FIGURE 13: VIEWING NORTH ON THE WESTBOUND SIDE OF THE DITCH

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		

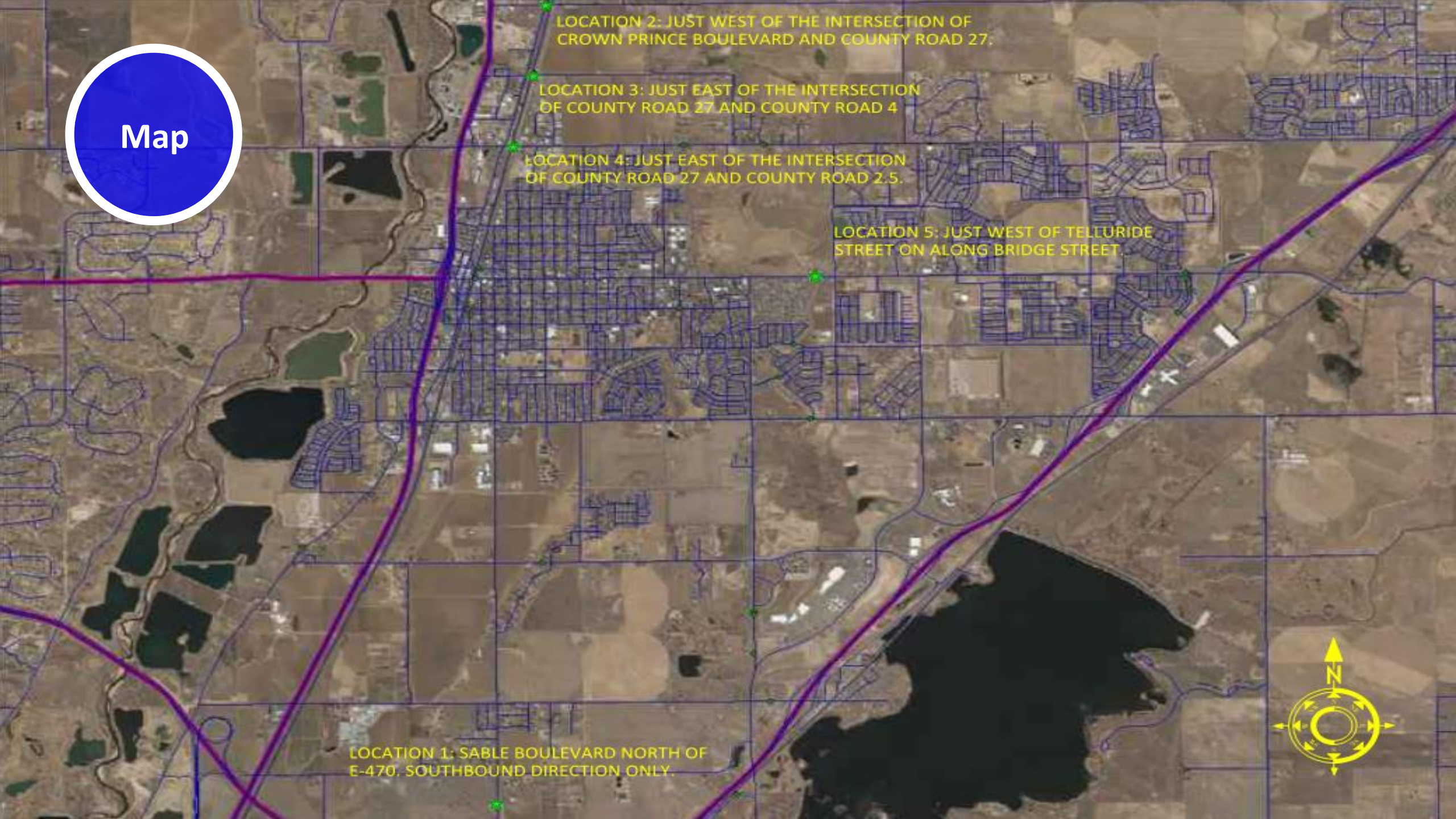
Comments:

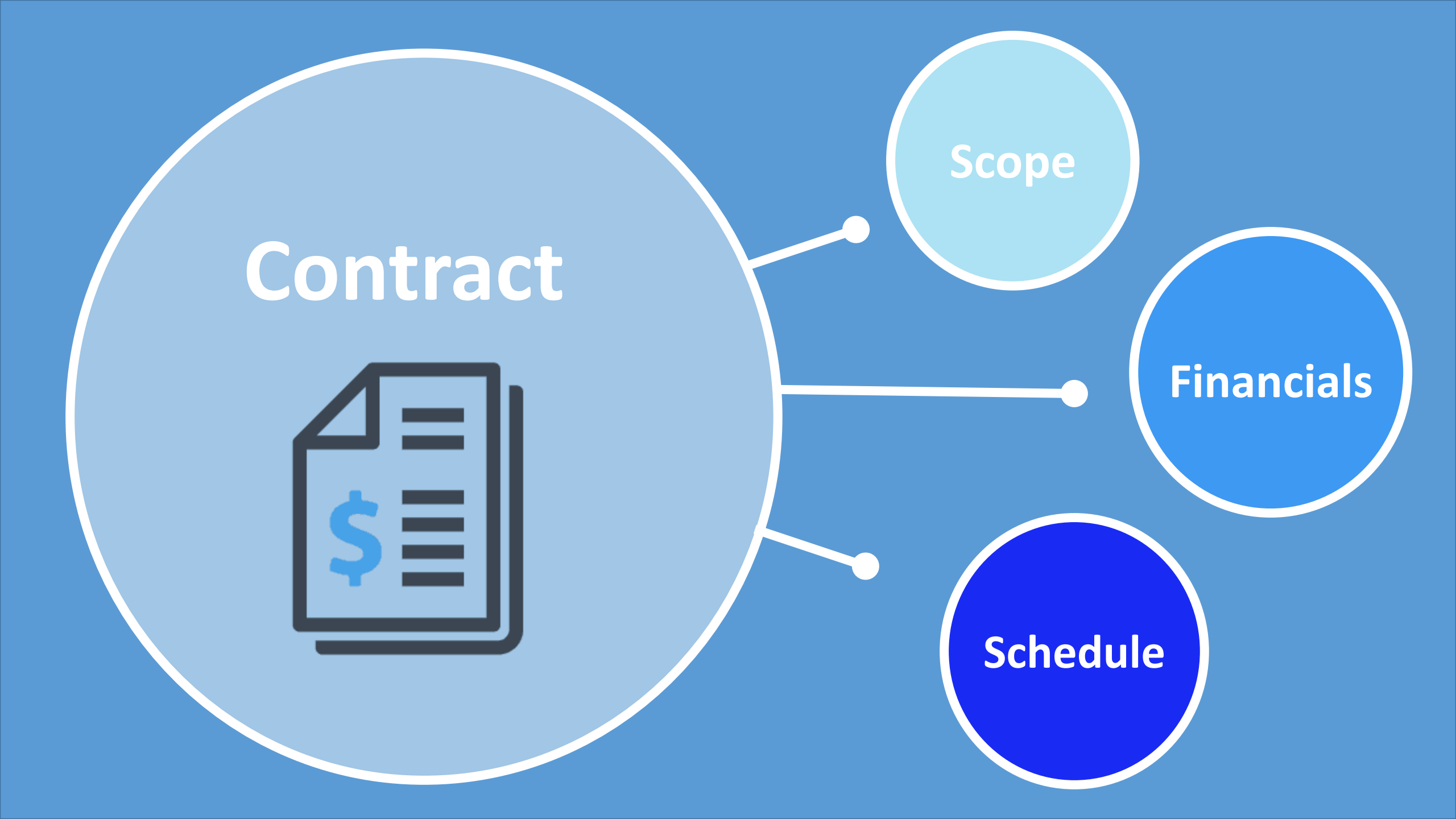
Minor westbound damage but guardrail remains operational. Priority 5

No Guardrail Photos:

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


Map
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.
N


Contract
Scope
Financials
Schedule

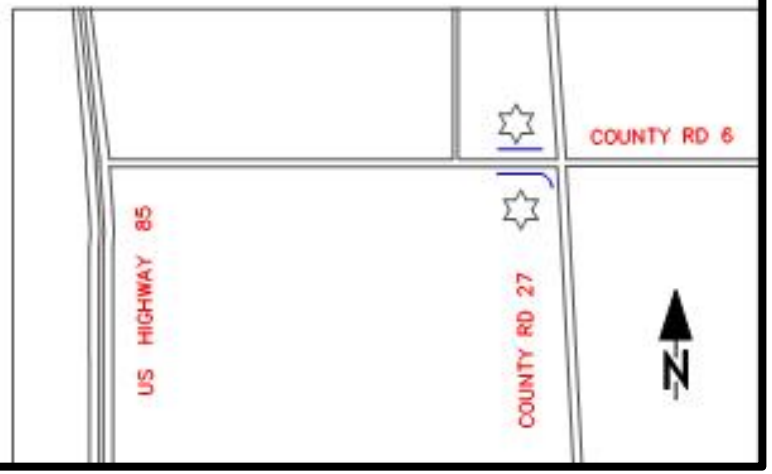
Scope

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

VICINITY MAP



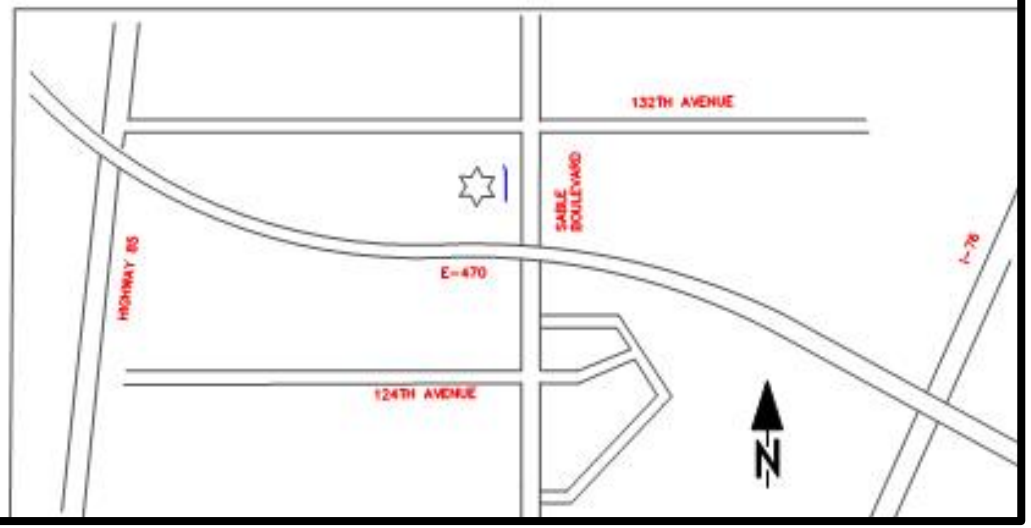
Scope

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



Financials

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

Financials

ITEM	AMOUNT
Budget	$165,000.00
Engineer Estimate	$157,000.00
Contract Award	$113,490.00

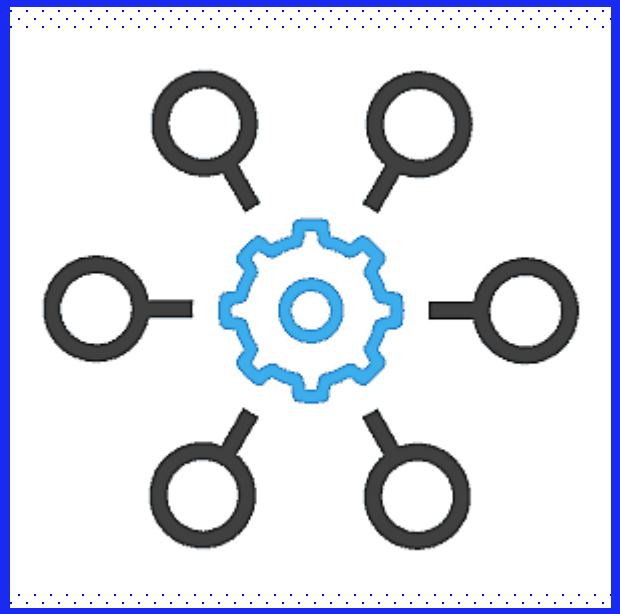
Schedule

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

Project Benefits

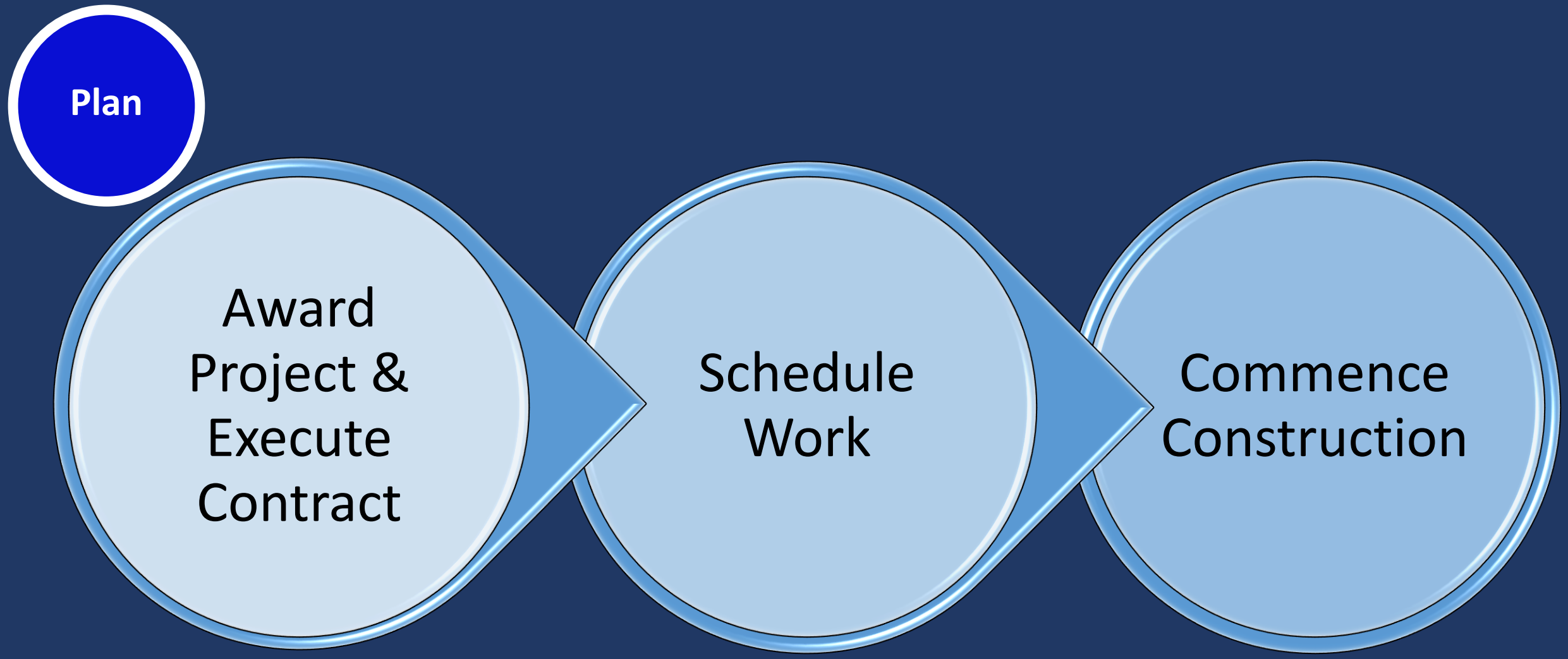
- Safety
- Repairs
- Cost

Summary



Project

Recommendation


Plan
Award Project & Execute Contract
Schedule Work
Commence Construction

2019 Street Preservation Change Order

Public Works Department