



Middle Avenue Pedestrian & Bicycle Rail Crossing City Council

January 28, 2020

Middle Avenue Pedestrian & Bicycle Rail Crossing Study



Recommendations:

- Certify environmental documents
- Approve 30% project plans
- Authorize the city manager to enter into agreements with Caltrain

Background/History

2009: Middle Ave selected as preferred crossing location

2012: Middle Ave crossing location adopted by City Council in the ECR/Downtown Specific Plan

2016: San Mateo County Transportation Authority (SMCTA) programmed funds for the project

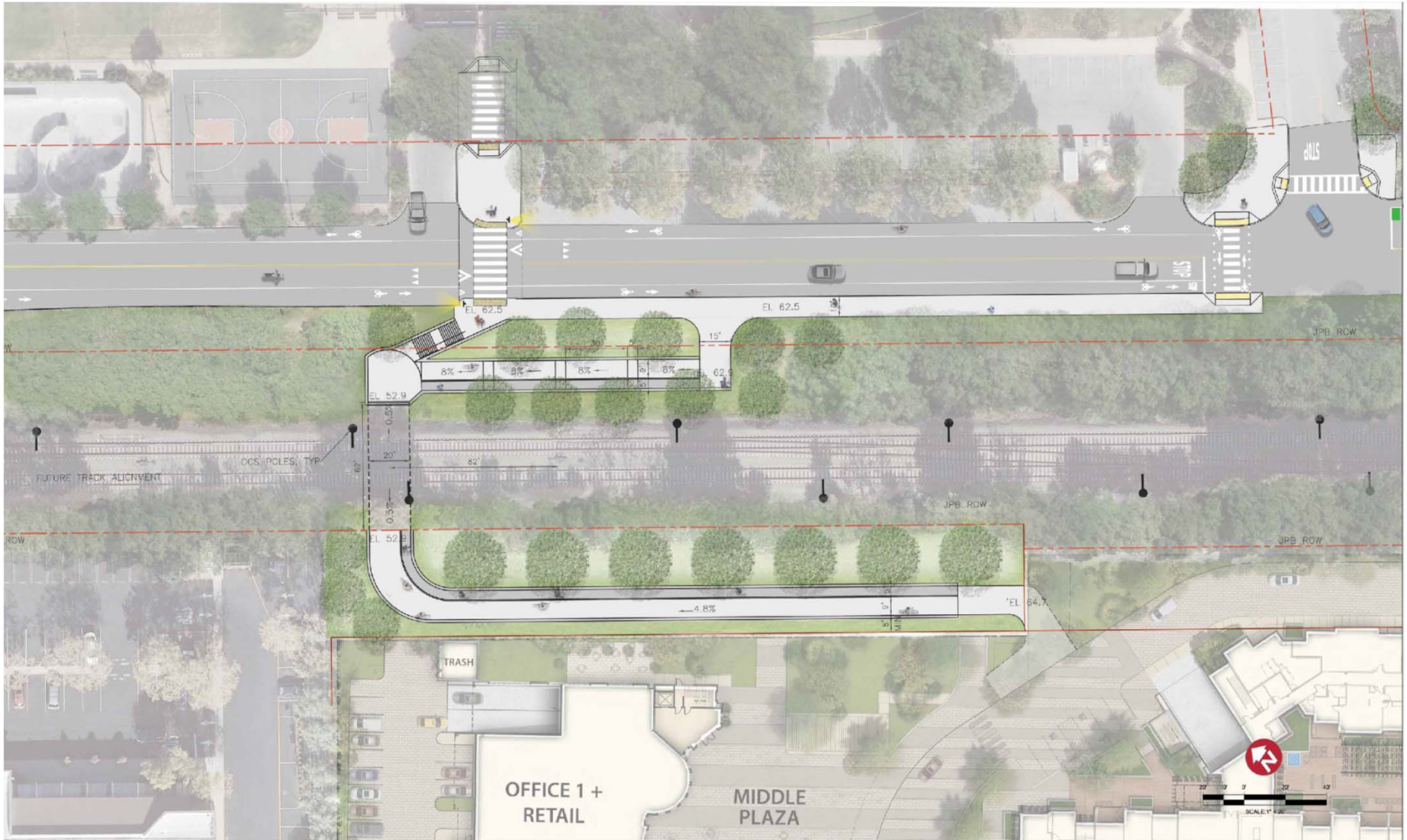
March 14, 2017: Scope approved by City Council

May 4, 2017: Community meeting # 1

May 13, 2019: Community meeting # 2

August 27, 2019: City Council approved preferred design

Preferred Design - Concept 3

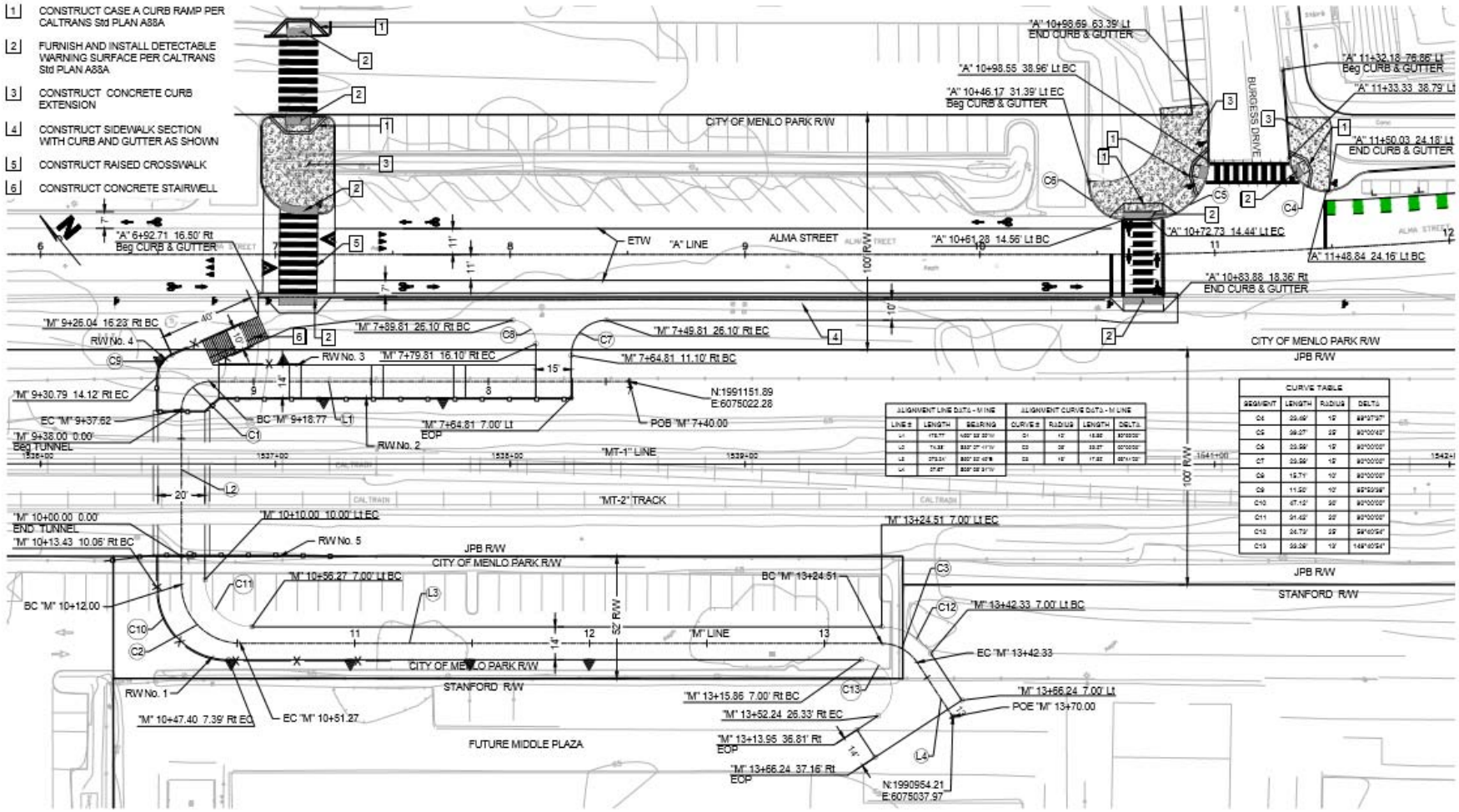


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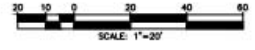
CONSTRUCTION NOTES:

- 1] CONSTRUCT CASE A CURB RAMP PER CALTRANS S&J PLAN A88A
- 2] FURNISH AND INSTALL DETECTABLE WARNING SURFACE PER CALTRANS S&J PLAN A88A
- 3] CONSTRUCT CONCRETE CURB EXTENSION
- 4] CONSTRUCT SIDEWALK SECTION WITH CURB AND GUTTER AS SHOWN
- 5] CONSTRUCT RAISED CROSSWALK
- 6] CONSTRUCT CONCRETE STAIRWELL



ALIGNMENT LINE DATA - M LINE				ALIGNMENT CURVE DATA - M LINE				CURVE TABLE			
LINE	LENGTH	BEARING	DELTA	CURVE #	RADIUS	LENGTH	DELTA	SEGMENT	LENGTH	RADIUS	DELTA
L1	19.38	S87°02'31"W	22	12	18.88	89°52'58"	22	C1	33.49	12	89°57'27"
L2	275.31	S02°02'01"E	22	12	17.85	89°11'02"	22	C2	33.27	22	89°50'54"
L3	27.47	S02°02'31"W	22	12	17.85	89°11'02"	22	C3	33.29	12	89°50'00"
								C4	33.56	12	89°50'00"
								C5	33.56	12	89°50'00"
								C6	15.71	12	89°50'00"
								C7	33.56	12	89°50'00"
								C8	11.52	12	89°50'58"
								C9	07.12	22	89°50'00"
								C10	31.42	22	89°50'00"
								C11	24.72	22	89°50'54"
								C12	33.28	12	148°40'54"

GENERAL NOTES (THIS SHEET ONLY)
 1. SEE SHEET 11 FOR 'A' LINE INFORMATION AND PAVEMENT DELINEATION AND SIGNING.
 2. UTILITY LINES NOT SHOWN FOR CLARITY.



30% FINAL - JANUARY 9, 2020

DATE: _____ DRAWN BY: _____ CHECKED BY: _____ APPROVED BY: _____	APPROVED: _____ MIDDLE AVENUE PEDESTRIAN & BICYCLE CROSSING STUDY CITY OF MENLO PARK	 CITY OF MENLO PARK ENGINEERING DIVISION 701 LAUREL STREET, MENLO PARK, CA 94025-3483 PHONE (650) 330-6740 FAX (650) 327-5497	MIDDLE AVENUE PEDESTRIAN & BICYCLE RAIL CROSSING PROJECT SITE PLAN	SHEET 5 OF 23 SHEETS PROJ. NAME
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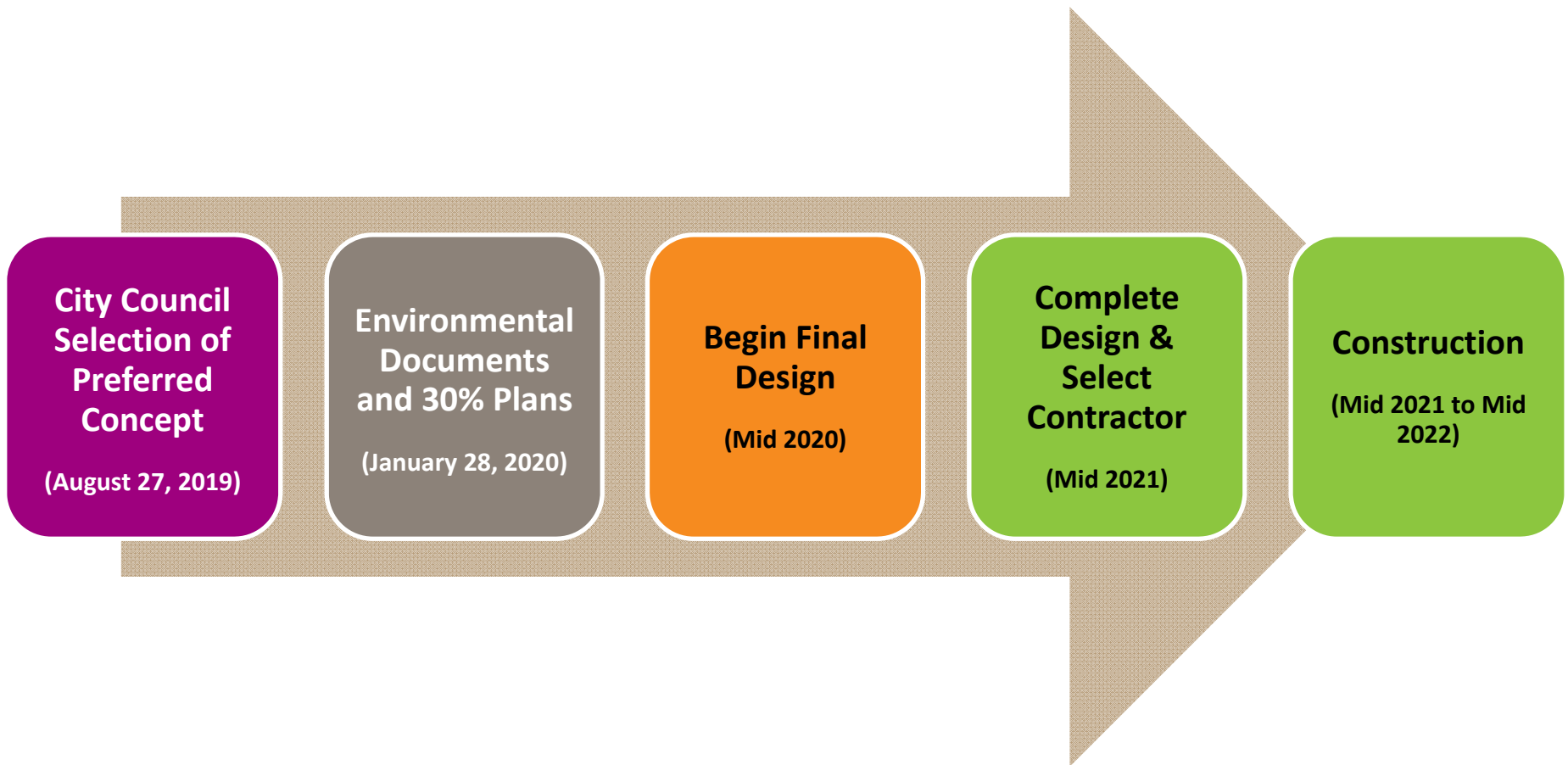


Project Budget

Preliminary project cost		\$15-20m
SMCTA grant		\$0.490m
City contribution (budgeted)		\$6.5m
Stanford University required contribution		\$5m
Funds needed		\$8.5m ¹
¹ Assuming \$20m project budget.		



Next Steps



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Questions?

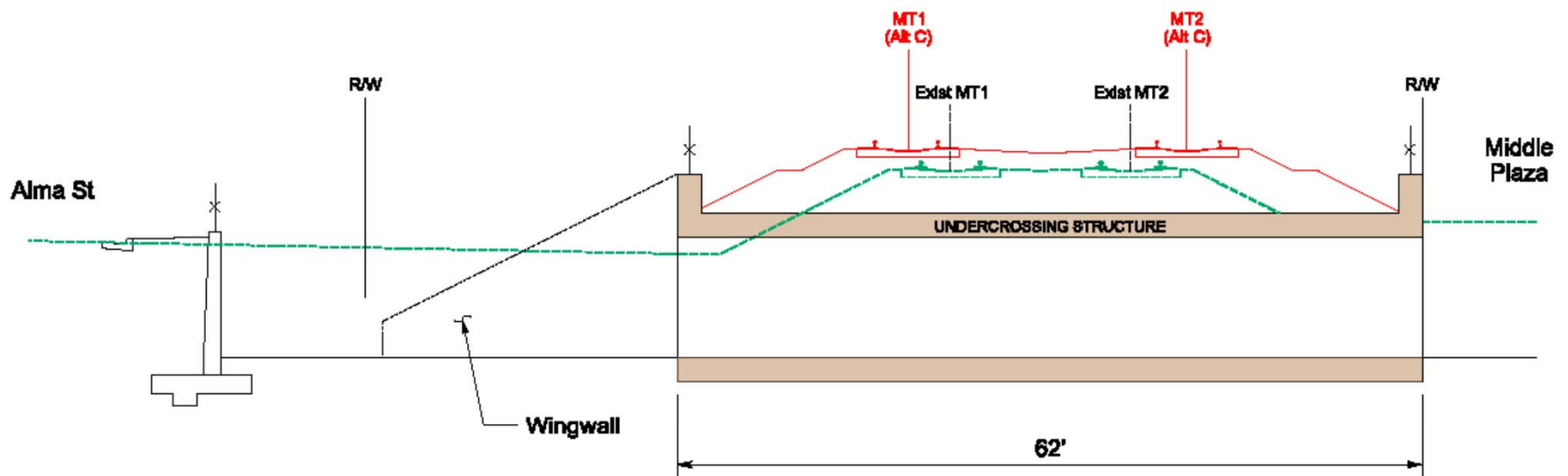
For More Information:

Visit Us at: <http://www.menlopark.org/MiddleCrossing>

Email Us at: transportation@menlopark.org

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Longitudinal X-Section through Undercrossing

Project Delivery Method

Design-Build (D-B) contracting method – single contract with a qualified designer/builder

- Early start, reducing overall project delivery time
- Reduced overall project cost
- Better project delivery
- Will require a detailed request for proposal

A recommended D-B contract will be brought to City Council in mid to late-2020