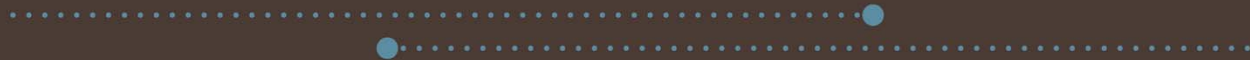




# Highway 2 Widening Project Award of Construction Contract



# Action

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- Award construction contract for Highway 2 Widening Project to Flatirons Construction for \$21,963,588.80
- Understand project funding sources for a September 12 re-appropriation ordinance





# Project Goals

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- Increased vehicle capacity
- Improved level of service (traffic movement)
- Improved safety
- Reduced flooding and improved water quality
- Environmental & contextual sensitivity
- Multi-modal, i.e.: accommodate pedestrians, bicyclists, and vehicles



# Project Elements

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- Utility Relocation & Street Lighting
- Stormwater & Water Quality Features
- Railroad Safety Improvements
- Multi-use trail
- Access Modifications
- In-Pavement Lighting
- Landscaping

*Refer to April 18, 2016 City Council presentation for specific details*



# Contract Bid Process

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- Bids for the Highway 2 Widening Project (72nd to 112<sup>th</sup> Aves) were solicited through formal bidding process advertised on the city website and Rocky Mountain E-Purchasing beginning June 8, 2016.
- Bids were opened and publicly read at 10 a.m. July 8, 2016.
- Bid analysis as well as CIPP fund true-ups.

# Bid Summary

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- Seven bids received for Hwy 2, 72<sup>nd</sup>-112<sup>th</sup> Ave
- Engineer's Estimate (EE) for construction = \$22,509,614.10
- Bids ranged from \$20,927,888.80 to \$27,131,791.20
- 93.0% to 120.5% of EE

# Bid Results

Bidder	Base Bid	% of EE
Flatiron	\$20,927,888.80	93.0%
Castle Rock Const.	\$22,099,192.41	98.2%
CEI	\$22,716,621.43	100.9%
Concrete Works	\$23,764,977.30	105.6%
American Civil	\$24,401,245.00	108.4%
Fiore & Sons	\$24,989,669.69	111.0%
Brannan	\$27,131,791.20	120.5%



# Key Flatiron Unit Prices compared to EE

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- Concrete bikeway – excellent (-\$339,840)
- Asphalt prices – good to very good (-\$693,805)
- Street lighting prices – very good (-\$1,581,267)
- Irrigation: less than EE by 25% (-\$112,000)
- Const. Surveying : (-\$130,000)
- Concrete barrier: (-\$630,000)
- Mobilization – (+\$570,000)
- Embankment – much higher (\$10 vs. \$25/SY; +\$697,905)
- Agg. Base Course – much higher (\$219,400)
- Temp. Lighting – much higher (\$291,000)
- Pavement Marking Paint – much higher (+\$214,744)

# Construction Schedule

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- 520 days allowed for construction.
- Contractor would begin work in September and be complete in Q1 2018.
- Additional construction phasing details will be provided following contract award and notice to proceed.

# Total Project Costs for Highway 2

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January 2016: \$25,760,000      August 2016: \$32,632,624

- \$22,210,000 for 72nd Avenue to 112th Avenue
- \$27,421,831 for 72nd Avenue to 112th Avenue
- \$3,550,000 for 112th Avenue to I-76
- \$5,210,793 for 112th Avenue to I-76

# Total Project Cost: \$27,421,831

Description	Cost
Subtotal of Force Account Items	\$1,035,700
Subtotal of Bid Items (Low Bidder)	\$20,927,889
<b>Total Construction Items</b>	<b>\$21,963,589</b>
Project Contingency	\$308,823
Project/Construction Management	\$1,386,240
Land/ROW	\$900,000
Design	\$2,144,497
Permit fees, tap fees, etc.	\$100,000
Storm Sewer Crossing (Turnberry)	\$500,000
Other (Environmental)	\$101,000
Public Art	\$209,279
<b>Total of Non-Construction Items</b>	<b>\$5,341,015</b>

Finalizing  
agreement  
with South  
Adams County  
Water to  
reimburse for  
infrastructure  
improvements  
\$1,152,927



# Proposed How to Fill The Gap

	Total Project Cost	\$27,421,831
Identified Funding Sources	Amount	Remaining Funding Gap
CDOT	\$15,700,000	\$11,721,831
Road Impact Fee	\$1,500,000	\$10,221,831
Solid Waste	\$1,700,000	\$8,521,831
Drainage	\$862,000	\$7,659,831
CIPP-Northern Range Loop Trail	\$1,600,000	\$6,059,831
DIA Revenue	\$1,155,000	\$4,904,831
CIPP Project Closeouts	\$937,557	\$3,967,274
SACSWD Reimbursement	\$1,152,927	\$2,814,347
Reduce Contingency	\$214,374	\$2,600,000
Fleet Retained Earnings	\$2,600,000	\$0

# Other Options Considered

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- Considered retained earnings in IT, Facilities accounts, fund balance
  - Recommend fleet retained earnings as least impactful to operations
- Identified all available CIPP fund sources
- Seek cost reductions that do not impact project quality



# Recommendation

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- Approve contract award to secure bid and begin construction
- Sept. 12 ordinance to reallocate identified funds





# Questions/Discussion

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