



CITY OF CAÑON CITY

City Council

City Council Chambers
128 Main St., Cañon City, CO 81212
(719) 269-9011 • www.canoncity.org

GENERAL GOVERNMENT II COMMITTEE MEETING
March 11, 2020
5:00 p.m.

AGENDA

- 1. CALL TO ORDER:**
- 2. ROLL CALL: COUNCIL MEMBERS DENNEHY, GONZALES, JAQUEZ, MEISNER, REED, B. SMITH, MAYOR PRO TEM HAMRICK, MAYOR SMITH.**
- 3. DISCUSSION:**
 - A. 2020 Capital Improvement Project Update**
 - B. 2A Street Improvement Summary Update**
 - C. 2A Street Improvement 2021-2023 Priority Projects**
 - D. Director Update: Engineering**

ADJOURN The next regular meeting is scheduled for April 15, 2020.

Posted pursuant to code on March 6, 2020
Cindy Foster Owens, City Clerk



CITY OF CAÑON CITY

Engineering Department

P.O. Box 1460 • 128 Main Street
Cañon City, CO 81215-1460
(719) 269-9011 • Fax: (719) 269-9017

TO: Mayor and City Council
FROM: Ryan Stevens, City Administrator
PREPARED BY: Adam Lancaster, City Engineer
DATE: March 11, 2020
RE: 2020 Capital Improvement Project Update

The following are the 2020 construction projects planned with the current status and timelines:

STREETS

2A Street Reconstruction 9th Street

- Construction will be combined with water main and storm sewer replacement
- Status: Design complete
- Projected Start: May 2020

2A Street Reconstruction Meadows Ave

- Water main replacement is complete
- Status: Design complete
- Projected Start: Summer 2020

2A Street Reconstruction Evelyn Drive

- Status: Design complete
- Projected Start: Summer 2020

2A Street Reconstruction Harding Ave

- Water main replacement is planned prior to street reconstruction
- Status: Design complete
- Projected Start: Summer 2020

Alley Reconstruction – 400 and 500 Blocks south of Main Street

- Status: Design underway
- Projected Start: August 2020

Pavement Preventative Maintenance – Chip/Crack Seal

- Status: Contract executed
- Projected Start: Summer 2020

WATER

9th Street Water Main Replacement

- Construction will be combined with street reconstruction
- Status: Design complete
- Projected Start: May 2020

8th Street and Bridge Street Water Main Replacement

- Construction will be prior to paving street
- Status: Design complete
- Projected Start: March 2020

Harding Ave Water Main Replacement

- Construction will be prior to reconstructing street
- Status: Design complete
- Projected Start: pending

Quality of Life/CDOT Local Agency Projects

SRTS Canon Exploratory/Washington Elementary Schools

- Sidewalk construction on N. 9th Street
- Status: Grant application preparation underway
- Projected Start: 2022

CO115 Pedestrian Improvements

- Sidewalk construction on S. 9th Street
- Status: Design complete
- Projected Start: July 2020

US50 Pedestrian Improvements

- Median/Crossing Installations
- Status: Design underway
- Projected Start: Summer 2021

CMAQ 2020 8th Street and Bridge Street

- Utility and irrigation pipe work underway
- Status: Design complete
- Projected Start: May 2020

Railroad Crossings

S. 11th Street - UPRR

- Timber crossing surface to be replaced with concrete
- Status: pending UPRR work
- Projected Start: March 2020

Parks

Centennial Park – S. 4th Street Parking

- Angled parking to be added to west side of S. 4th Street adjacent to park
- Status: Design complete
- Projected Start: Summer 2020

Clock Tower Parking

- Reconstruct parking lot
- Status: Survey complete
- Projected Start: Design/funding pending

River Station HC Parking

- HC parking to be relocated due to sale of train depot
- Status: Design complete
- Projected Start: Summer 2020

Royal Gorge Campground Restroom

- Status: Design underway
- Projected Start: Summer 2020

Wayfinding

Gateway Monument Signage

- Status: Under construction
- Projected Completion: April 2020

Wayfinding Signage – Vehicular Signage on US50 and CO115 & Pedestrian Signage

- Status: Under construction
- Projected Completion: April 2020

Stormwater

Stormwater CIP – Dawson Ranch Culverts

- Status: Under construction
- Projected Completion: July 2020

Stormwater CIP – 9th Street

- Construction will be combined with street reconstruction
- Status: Design complete
- Projected Start: May 2020

Stormwater CIP – Abbey Drainage/Rhodes Ave

- Status: Design underway
- Projected Start: Winter 2020/21

Stormwater CIP – WPA Drainage

- Status: Design underway
- Projected Start: Winter 2020/21



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TO: Mayor and City Council
FROM: Ryan Stevens, City Administrator
PREPARED BY: Adam Lancaster, City Engineer
DATE: March 11, 2020
RE: 2A Street Improvement Summary Update

Annual project scope and cost as follows:

2017:

Total Project Cost:	<u>\$9,052,492.02</u>
Total Street Cost:	\$7,454,079.52
Total Water Cost:	\$1,533,702.50
Total Stormwater Cost:	\$64,710.00
Total Tons of Asphalt:	32,000 TONS
Total Area of Pavement:	94,079 SY
Total Length of Street:	6.2 Centerline Miles

Streets completed:

- Greenwood Ave – 15th Street to 16th Street
- 16th Street – Franklin Ave to Main Street
- Yale Place – College Ave to Harding Ave
- Mariposa Drive – Temple Canyon Road to Ptarmigan Trail
- S. 1st Street – New York Ave to Temple Canyon Road
- Orchard Ave – E. Main Street to US50
- E. Main Street – Rainbow Drive to Berry Parkway
- S. 10th Street – Main Street to Royal Gorge Blvd
- South Street – Field Ave to end of school zone
- Main Street – 15th Street to 16th Street
- Fairview Ave – 5th Street to 10th Street
- Whipple Ave – 5th Street to 10th Street
- Washington Street – 5th Street to 9th Street
- Steinmeier Ave – E. Main Street to City Limit

2018:

Total Project Cost: \$1,731,855.14

Total Street Cost: \$1,517,795.64

Total Water Cost: \$214,059.50

Total Tons of Asphalt: 9,957 TONS

Total Area of Pavement: 23,248 SY

Total Length of Street: 1.2 Centerline Miles

Streets completed:

- Field Ave – High Street to Central Ave
- Park Ave – S. 9th Street to S. 12th Street

2019:

Total Project Cost: \$5,899,530.89

Total Street Cost: \$4,889,919.89*

*as-built cost pending

Total Water Cost: \$1,009,611.00

Total Tons of Asphalt: 18,058 TONS

Total Area of Pavement: 59,856 SY

Total Length of Street: 2.79 Centerline Miles

Streets completed:

- Main Street – 9th Street to 14th Street
- 12th Street – College Ave to Royal Gorge Blvd
- S. 4th Street – Ellsworth Ave to Dalmatian Drive
- Myrtle Ave – S. 4th Street to S. 7th Street
- Forge Road – Bellows Ct to Evelyn Drive

2020:

Total Available Funds Amt: \$3,500,000

Streets planned for reconstruction:

- N. 9th Street – US Hwy 50 to Mystic Ave
- Meadows Ave – 10th Street to 12th Street
- Evelyn Drive – Forge Road to Tanner Parkway
- Harding Ave – 5th Street to 9th Street

The following is a comparison of annual costs to date:

2A STREET IMPROVEMENT ANNUAL COST COMPARISONS						
		KIEWIT	A&S	MARTIN MARIETTA	AVALANCHE	BELTRAMO
DESIGN/BUILD	2017	\$7,187,737	\$8,579,000			
	LESS WATER (24%)	\$5,462,680	\$6,520,040			
79852						
SY	COST/SY	\$68	\$82			
4.64						
MILES	COST/MILE	\$1,176,591	\$1,404,333			
DBB FIELD AVE	2018	\$1,420,097	\$1,734,158	\$1,218,070		
	PLUS DESIGN	\$93,087	\$93,087	\$93,087		
16727						
SY	COST/SY	\$90	\$109	\$78		
0.87						
MILES	COST/MILE	\$1,730,102	\$2,089,185	\$1,499,114		
DBB PARK AVE	2018	\$719,436	\$1,041,958	\$774,983	\$817,861	\$476,595
	PLUS DESIGN	\$60,005	\$60,005	\$60,005	\$60,005	\$60,005
6521						
SY	COST/SY	\$120	\$169	\$128	\$135	\$82
0.33						
MILES	COST/MILE	\$2,344,985	\$3,315,307	\$2,512,101	\$2,641,101	\$1,614,386
DBB MAIN ST	2019	\$1,545,011	\$1,806,722	\$1,369,208	\$1,790,455	
	PLUS DESIGN	\$97,430	\$97,430	\$97,430	\$97,430	
15433						
SY	COST/SY	\$106	\$123	\$95	\$122	
0.53						
MILES	COST/MILE	\$3,098,945	\$3,592,740	\$2,767,242	\$3,562,047	
DBB 12TH ST	2019	\$932,670	\$1,066,311	\$780,614	\$772,479	
	PLUS DESIGN	\$48,808	\$48,808	\$48,808	\$48,808	
6436						
SY	COST/SY	\$152	\$173	\$129	\$128	
0.27						
MILES	COST/MILE	\$3,635,104	\$4,130,070	\$3,071,933	\$3,041,803	
DBB 4TH ST	2019	\$795,912	\$886,541	\$836,372	\$650,894	
	PLUS DESIGN	\$146,198	\$146,198	\$146,198	\$146,198	
12527						
SY	COST/SY	\$75	\$82	\$78	\$64	
0.83						
MILES	COST/MILE	\$1,135,072	\$1,244,264	\$1,183,819	\$960,352	
DBB FORGE RD	2019	\$1,441,468	\$1,349,383	\$1,277,776	\$1,201,931	
	PLUS DESIGN	\$144,061	\$144,061	\$144,061	\$144,061	
25460						
SY	COST/SY	\$62	\$59	\$56	\$53	
1.24						
MILES	COST/MILE	\$1,278,652	\$1,204,390	\$1,146,643	\$1,085,477	



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FROM: Ryan Stevens, City Administrator

PREPARED BY: Adam Lancaster, City Engineer

DATE: March 11, 2020

RE: 2A Street Improvement 2021-2023 Priority Projects

Staff is working on getting the 2A Street Improvement project sites scoped for next year and beyond. The initial guidance from City Council was to prioritize major thoroughfares as those are the streets for which the most members of the public benefit from.

Upon completion of the pavement condition survey, priorities were established in 2015 for the major thoroughfares. See Exhibit A. This list was updated to depict which streets remain for reconstruction.

A new "short" list was generated in 2016 in support of the 2A ballot measure. See Exhibit B. As can be seen, all the major thoroughfares listed have been completed with the exception of Harding Ave.

Priorities are weighted using the following criteria: pavement condition, roadway classification, traffic volume, utility replacement schedule, surrounding neighborhood, and type of pavement. Other outside factors, such as project coordination, bike routes, utility work, drainage, intersection/mobility issues, future improvement agreements, public improvement districts, complaints, network growth, curb & gutter adjustment or replacement, ADA ramp reconstruction, or storm/drainage repairs or improvements, other community priorities, and safety, will require adjustment of a road's priority for paving and resurfacing.

The 2A funds are not sufficient to reconstruct all the City's streets. Using the criteria established, all roads are considered. We are reaching a point we knew would come where there is an inability for utility replacement to keep up with the thoroughfare sites. The Water Department in particular cannot continue to expend all its capital funds on 2A streets as there are projects outside the City that must be done also. Therefore, the work will entail smaller less traveled sections of local roads, especially those that have new water mains in them. A fiscally constrained list for discussion has been generated for next three years. See Exhibit C.

RECOMMENDED ACTION: Confer with staff on 2021-2023 Priority Streets.

ATTACHMENTS: Exhibits A, B, & C

EXHIBIT A

MAJOR THOROUGHFARES PRIORITY RECONSTRUCTION PLAN 2015				
FACTORED BY OCI & TRAFFIC VOLUME ONLY			COMPLETE/HIGH OCI	
<u>PRIORITY</u>	<u>Street Name</u>	<u>System Type</u>	<u>Notes1</u>	<u>Notes2</u>
1	MARIPOSA ROAD	COLLECTOR		
2	WASHINGTON STREET	COLLECTOR	5th St to 9th St	
3	S 1ST STREET	COLLECTOR	New York Ave to CR3	
3	S 1ST STREET	COLLECTOR	US50 to New York Ave	
4	EAST MAIN STREET	COLLECTOR		
5	S 4TH STREET	COLLECTOR		
6	FORGE ROAD	COLLECTOR		
7	N 9TH STREET	ARTERIAL	US50 to Mystic Ave	2020
8	N 9TH STREET	ARTERIAL	Mystic Ave to Barr Ave	
8	N 9TH STREET	ARTERIAL	Barr Ave to Candlewood Dr	
8	N 9TH STREET	ARTERIAL	Candlewood Dr to Washington St	
9	ORCHARD AVE	COLLECTOR	US50 to E. Main St	
9	ORCHARD AVE	COLLECTOR	Cherry St to Pear St	
9	ORCHARD AVE	COLLECTOR	Pear St to Central Ave	
9	ORCHARD AVE	COLLECTOR	Central Ave to city Limit	
10	GRIFFIN AVE	COLLECTOR	1st St to 9th St	
11	YALE AVE	COLLECTOR		
12	HARDING AVE	COLLECTOR	5th St to 9th St	
13	MAIN STREET	COLLECTOR	9th St to 14th St	
14	MAIN STREET	COLLECTOR	1st St to 4th St	NEW WATER
14	MAIN STREET	COLLECTOR	7th St to 9th St	NEW WATER
15	COLLEGE AVE	COLLECTOR	5th St to 9th St	NEW WATER
15	COLLEGE AVE	COLLECTOR	9th St to 15th St	
16	CHERRY STREET	COLLECTOR		
17	5TH STREET	COLLECTOR		
18	HIGH STREET	COLLECTOR		
19	CR123	COLLECTOR		
20	FOUR MILE LANE	ARTERIAL		
24	FIELD AVE	ARTERIAL	Central Ave to High St	
21	FIELD AVE	ARTERIAL	Pear Ave to Central Ave	
22	SOUTH STREET	COLLECTOR		
23	EVELYN DRIVE	COLLECTOR		NEW WATER
24	RAYNOLDS AVE	ARTERIAL	US50 to Pear St	
25	CENTRAL AVE	COLLECTOR	Raynolds Ave to Drake Dr	
25	CENTRAL AVE	ARTERIAL	15th St to Field Ave	
26	15TH STREET	COLLECTOR		
27	HARDING AVE	ARTERIAL	9th St to 15th St	
28	MACKENZIE AVE	ARTERIAL		NEW WATER
29	PHAY AVE	COLLECTOR	Yale Pl to 15th Street	
30	VALLEY ROAD	COLLECTOR		
34	FOUR MILE PARKWAY	ARTERIAL	CR123 to Cowboy Way	

EXHIBIT B

MAJOR THOROUGHFARES PRIORITY RECONSTRUCTION PLAN - BALLOT PRIORITY 2016				
Service Area	Street Name	System Type	Limits	
			From	To
	COMPLETE			
YEAR 1				
East	SOUTH STREET	COLLECTOR	Field	Raynolds
East	GREENWOOD AVE	ARTERIAL	15th	16th
East	FIELD AVE	ARTERIAL	Central	High
East	16TH STREET	ARTERIAL	Main	Franklin
North	WASHINGTON STREET	COLLECTOR	9th	5th
North	YALE AVE	COLLECTOR	College	Harding
North	FAIRVIEW AVE	LOCAL	5th	10th
North	HARRISON AVE	COLLECTOR	7th	15th
North	WHIPPLE AVE	LOCAL	5th	10th
South	MARIPOSA ROAD	COLLECTOR/ARTERIAL	Temple Canyon	Ptarmigan
South	1ST STREET	COLLECTOR/ARTERIAL	New York	Temple Canyon
Southeast	STEINMEIER RD	COLLECTOR	E Main	CL
Southeast	ORCHARD AVE	COLLECTOR	RR	E Main
Southeast	E MAIN STREET	ARTERIAL	16th	CL
YEAR 2-10				
Lincoln Park	PARK AVE	COLLECTOR	9th	12th
North	HARDING AVE	COLLECTOR/ARTERIAL	5th	9th
North	10TH ST	LOCAL	US50	Main
South	4TH STREET	COLLECTOR	US50	CL
South	FORGE ROAD	ARTERIAL	Bellows	Evelyn
Citywide	MISC LOCAL ROADS	LOCAL		

EXHIBIT C

2A STREET IMPROVEMENT PRIORITY RECONSTRUCTION PLAN - 2020-2023					
Year	Street Name	Limit From	Limit To	Traffic Service	Functional Classification
2020	N. 9th Street	US50	Mystic Ave	North	Urban Arterial
2020	Meadows Ave	10th St	11th St	North	Urban Local
2020	Evelyn Drive	Shiloh Dr	Tanner Pkwy	South	Urban Collector
2020	Harding Ave	5th St	9th St	North	Urban Collector
2021	Orchard Ave	Pear St	Cherry St	East	Urban Collector
2021	Orchard Ave	Central Ave	City limit (862 Orchard Ave)	East	Urban Collector
2021	Allison Ave	Yale Pl	15th St	North	Urban Local
2021	N 10th St	College Ave	Mystic Ave	North	Urban Local
2021	N 8th St	Fairview Ave	Barr Ave	North	Urban Local
2022	College Ave	4th St	9th St	North	Urban Collector
2022	Pear St	19th St	Greydene Ave	East	Urban Local
2022	Franklin Ave	19th St	Orchard Ave	East	Urban Local
2023	S 12th St	Park Ave	Sherman Ave	Lincoln Park	Urban Local
2023	Riverview Ct	Fowler St	End	Central	Urban Local
2023	Fowler St	S Cottonwood Ave	East end of pavement	Central	Urban Local
2023	Robbie Ln	Central Ave	Surface change	East	Urban Local
2023	Elizabeth	Field Ave	East MHP Dr	East	Urban Local