

GMP SUMMARY

2023

Phase 2- Overlay



STREET

MAINTENANCE

PROGRAM

PROJECT NO: 03-18005

GMP SUMMARY

PROJECT NAME:	City of Flagstaff Street Maintenance Program 2023
PROJECT NUMBER:	03-18005 (PHASE 2 / OVERLAY)
LAST UPDATED:	
OWNER(S):	City of Flagstaff
BILLNG ADDRESS:	211 West Aspen Avenue
JOB SITE ADDRESS:	various locations -
OWNER PHONE:	(928) 779-7685



C and E
PAVING & GRADING L.L.C.

GMP SUMMARY			
A	COST OF THE WORK (LABOR, MATERIALS, EQUIPMENT)		\$3,874,348.01
B	CM@RISK'S CONTINGENCY		\$20,000.00
INDIRECT COSTS			\$3,894,348.01
C	CONSTRUCTION FEE		4.8% \$234,339.23
D	GENERAL CONDITIONS		9.8% \$478,442.59
	D1	PAYMENT AND PERFORMANCE BOND	\$30,659.38 0.628%
	D2	INSURANCE	\$60,537.63 1.24%
E	SALES TAX		(9.181) .05631577 \$274,937.38
F. TOTAL GMP			\$4,882,067.20
G. OWNER'S CONTINGENCY			\$20,000.00
H. CONTRACT AMOUNT			\$4,902,067.20

CITY OF FLAGSTAFF
GENERAL CONDITIONS ESTIMATE



**C and E
PAVING & GRADING L.L.C.**

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LAST UPDATED:	
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JOB SITE ADDRESS:	various locations
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PHASE #	CATEGORY DESCRIPTION	NOTES / SCOPE	BUDGET
General Requirements			
1	VEHICLE / FUEL ALLOWANCE		\$63,668.75
1	PROJECT MANAGER		\$85,807.70
1	SUPERINTENDENT		\$69,703.80
1	OFFICE PERSONNEL		\$11,862.59
1	OFFICE SUPPLIES AND EQUIPMENT		\$3,449.10
1	SITE MECHANIC & SERVICE TRUCK		\$40,315.96
1	TEMP SANITARY FACILITIES		\$1,950.00
1	ADDITIONAL PUBLIC NOTICES AND DELIVERY / LIME / CONCRETE PLASTIC		\$5,185.34
	SURVEY		\$2,806.50
1	MOBILIZATION		\$41,470.00
1	WARRANTY RESERVE	1.25% OF PROJECT	\$61,025.84
1	GL INSURANCE	1.24% OF PROJECT	\$60,537.63
1	PERFORMANCE BOND	.0062827% OF PROJECT	\$30,659.38
TOTAL			\$478,442.59

**COST SCHEDULE
OF VALUES**

2023 COF STREETS

PHASE 2 / OVERLAY

Schedule of Values

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	COST
1	CRACK SEALING (MILL & OVERLAY)	26.3	T	\$5,000.00	\$131,500.00
2	MILL AND FILL LARGE THERMAL CRACKS	10,200.4	LF	\$16.50	\$168,306.60
3	LOWER MANHOLE FRAME & COVER FOR MILLING OPERATIONS	50.0	EA	\$575.00	\$28,750.00
4	LOWER WATER VALVE BOX FOR MILLING OPERATIONS	67.0	EA	\$575.00	\$38,525.00
5	REMOVE AND REPLACE PAVEMENT (4" AC/6" ABC [C-3/4"]) PATCH	5,091.4	SY	\$84.50	\$430,223.30
6	REMOVE AND REPLACE CONCRETE DRIVEWAY 8"PCC (INCLUDING. 6" ABC)	832.0	SF	\$36.14	\$30,068.48
7	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL- INCLUDING. 3" ABC)	279.0	LF	\$55.10	\$15,372.90
8	REMOVE AND REPLACE SIDEWALK (INCLUDING. 3" ABC)	2,927.7	SF	\$14.00	\$40,987.80
9	REMOVE AND DISPOSE OVER SIZED CONCRETE MANHOLE COLLAR	5.0	EA	\$911.00	\$4,555.00
10	REMOVE AND DISPOSE OVER SIZED CONCRETE VALVE CAN COLLAR	16.0	EA	\$902.50	\$14,440.00
11	REMOVE RAMP & INSTALL DETECTABLE WARNING (RETROFIT DOMES) INCLUDING 3" ABC	18.0	EA	\$2,833.00	\$50,994.00
12	REMOVE RAMP & INSTALL DETECTABLE WARNING (PARALLEL RAMP AND DOMES) INCLUDING 3" ABC	2.3	EA	\$3,050.00	\$7,015.00
13	PAVEMENT MILLING (FULL WIDTH)	80,898.2	SY	\$3.75	\$303,368.25
14	TACK COAT (SS-1H)	17.0	T	\$3,436.00	\$58,412.00
15	MODIFIED ASPHALTIC CONCRETE (1/2" MIX)	4,296.0	T	\$153.88	\$661,068.48
16	MODIFIED ASPHALTIC CONCRETE (3/4" MIX) - DOES NOT INCLUDE REBUILD OR REPAVE STREETS	4,805.1	T	\$153.88	\$739,408.79
17	SUBGRADE STABILIZATION-OVER EX & 12" ABC ON BIAXIAL GEOGRID (ALLOWANCE)	1.0	LS	\$125,000.00	\$125,000.00
18	FULL STREET REBUILD (3" AC [C-3/4"]/6" ABC)-LOWER COCONINO AVENUE	8,037.3	SY	\$54.00	\$434,014.20
19	REMOVE & REPLACE AC (3" AC [C-3/4"]/Compacted Native)-E COYOTE LN	1,082.5	SY	\$48.60	\$52,609.50
20	ADJUST MANHOLE FRAME & COVER (CITY DTL. 9-03-062)	56.0	EA	\$668.00	\$37,408.00
21	ADJUST WATER VALVE FRAME AND COVER TO FINISHED GRADE (REMOVE, REPLACE WITH NEW HARDWARE TO NUT)	7.0	EA	\$1,070.00	\$7,490.00
22	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES (CITY DTL. 9-03-062)	1.0	EA	\$628.00	\$628.00
23	ADJUST METER BOX IN SIDEWALK	3.0	EA	\$650.00	\$1,950.00
24	REMOVE AND REPLACE SURVEY MONUMENTS	18.0	EA	\$344.00	\$6,192.00
25	TRAFFIC CONTROL	1.0	LS	\$397,475.00	\$397,475.00
26	CONSTRUCTION SURVEY	1.0	LS	\$16,300.00	\$16,300.00
27	STRIPING AND MARKING	1.0	LS	\$72,285.71	\$72,285.71

TOTAL COST: \$3,874,348.01

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
1	CRACK SEALING (MILL & OVERLAY)	SUBCONTRACTOR	26.3	T	\$5,000.00	\$131,500.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$0.00	\$0.00	
				26.3	T	\$5,000.00	Total:
2	MILL AND FILL LARGE THERMAL CRACKS	SUBCONTRACTOR	10,200.4	LF	\$0.00	\$0.00	
		MATERIALS			\$3.13	\$31,927.25	
		EQUIPMENT			\$10.57	\$107,818.23	
		LABOR			\$2.80	\$28,561.12	
				10200.4	LF	\$16.50	Total:
3	LOWER MANHOLE FRAME & COVER FOR MILLING OPERATIONS	SUBCONTRACTOR	50.0	EA	\$525.00	\$26,250.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$20.00	\$1,000.00	
		LABOR			\$30.00	\$1,500.00	
				50.0	EA	\$575.00	Total:
4	LOWER WATER VALVE BOX FOR MILLING OPERATIONS	SUBCONTRACTOR	67.0	EA	\$525.00	\$35,175.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$20.00	\$1,340.00	
		LABOR			\$30.00	\$2,010.00	
				67.0	EA	\$575.00	Total:
5	REMOVE AND REPLACE PAVEMENT (4" AC/6"ABC [C-3/4"]) PATCH	SUBCONTRACTOR	5,091.4	SY	\$0.00	\$0.00	
		MATERIALS			\$34.05	\$173,362.17	
		EQUIPMENT			\$33.46	\$170,358.24	
		LABOR			\$16.99	\$86,502.89	
				5091.4	SY	\$84.50	Total:
6	REMOVE AND REPLACE CONCRETE DRIVEWAY 8"PCC (INCLUDING. 6"ABC)	SUBCONTRACTOR	832.0	SF	\$14.91	\$12,405.12	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$7.23	\$6,015.36	
		LABOR			\$14.00	\$11,648.00	
				832.0	SF	\$36.14	Total:

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
7	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL-INCLUDING. 3"ABC)	SUBCONTRACTOR	279.0	LF	\$28.88	\$8,057.52	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$12.22	\$3,409.38	
		LABOR			\$14.00	\$3,906.00	
			279.0	LF	\$55.10	Total:	\$15,372.90
8	REMOVE AND REPLACE SIDEWALK (INCLUDING. 3"ABC)	SUBCONTRACTOR	2,927.70	SF	\$7.88	\$23,070.28	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$3.12	\$9,134.42	
		LABOR			\$3.00	\$8,783.10	
			2,927.70	SF	\$14.00	Total:	\$40,987.80
9	REMOVE AND DISPOSE OVER SIZED CONCRETE MANHOLE COLLAR	SUBCONTRACTOR	5.0	EA	\$861.00	\$4,305.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$50.00	\$250.00	
			5.0	EA	\$911.00	Total:	\$4,555.00
10	REMOVE AND DISPOSE OVER SIZED CONCRETE VALVE CAN COLLAR	SUBCONTRACTOR	16.00	EA	\$852.50	\$13,640.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$50.00	\$800.00	
			16.00	EA	\$902.50	Total:	\$14,440.00
11	REMOVE RAMP & INSTALL DETECTABLE WARNING (RETROFIT DOMES) INCLUDING 3" ABC	SUBCONTRACTOR	18.00	EA	\$1,732.50	\$31,185.00	
		MATERIALS			\$400.00	\$7,200.00	
		EQUIPMENT			\$550.00	\$9,900.00	
		LABOR			\$150.50	\$2,709.00	
			18.00	EA	\$2,833.00	Total:	\$50,994.00
12	REMOVE RAMP & INSTALL DETECTABLE WARNING (PARALLEL RAMP AND DOMES) INCLUDING 3" ABC	SUBCONTRACTOR	2.30	EA	\$844.57	\$1,942.51	
		MATERIALS			\$800.00	\$1,840.00	
		EQUIPMENT			\$900.00	\$2,070.00	
		LABOR			\$505.43	\$1,162.49	
			2.30	EA	\$3,050.00	Total:	\$7,015.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
13	PAVEMENT MILLING (FULL WIDTH)	SUBCONTRACTOR	80,898	SY	\$0.00	\$0.00	
		MATERIALS			\$0.01	\$808.98	
		EQUIPMENT			\$3.41	\$275,862.86	
		LABOR			\$0.33	\$26,696.41	
			80,898	SY	\$3.75	Total:	\$303,368.25
14	TACK COAT (SS-1H)	SUBCONTRACTOR	17	T	\$3,076.00	\$52,292.00	
		MATERIALS			\$360.00	\$6,120.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$0.00	\$0.00	
			17	T	\$3,436.00	Total:	\$58,412.00
15	MODIFIED ASPHALTIC CONCRETE (1/2" MIX)	SUBCONTRACTOR	4,296.0	T	\$0.00	\$0.00	
		MATERIALS			\$127.00	\$545,592.00	
		EQUIPMENT			\$16.00	\$68,736.00	
		LABOR			\$10.88	\$46,740.48	
			4,296.0	T	\$153.88	Total:	\$661,068.48
16	MODIFIED ASPHALTIC CONCRETE (3/4" MIX) - DOES NOT INCLUDE REBUILD OR REPAVE STREETS	SUBCONTRACTOR	4,805.10	T	\$0.00	\$0.00	
		MATERIALS			\$127.00	\$610,247.70	
		EQUIPMENT			\$16.00	\$76,881.60	
		LABOR			\$10.88	\$52,279.49	
			4,805.10	T	\$153.88	Total:	\$739,408.79
17	SUBGRADE STABILIZATION-OVER EX & 12" ABC ON BIAXIAL GEOGRID (ALLOWANCE)	SUBCONTRACTOR	1.0	LS	\$0.00	\$0.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$0.00	\$0.00	
			1.00	LS	\$125,000.00	Total:	\$125,000.00
18	FULL STREET REBUILD (3"AC [C-3/4"]/6" ABC)-LOWER COCONINO AVENUE	SUBCONTRACTOR	8,037.30	SY	\$0.00	\$0.00	
		MATERIALS			\$26.29	\$211,300.62	
		EQUIPMENT			\$19.71	\$158,415.18	
		LABOR			\$8.00	\$64,298.40	
			8,037.30	SY	\$54.00	Total:	\$434,014.20

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
19	REMOVE & REPLACE AC (3"AC [C-3/4"]/Compacted Native)-E COYOTE LN	SUBCONTRACTOR	1,082.50	SY	\$0.00	\$0.00	
		MATERIALS			\$19.69	\$21,314.43	
		EQUIPMENT			\$20.67	\$22,375.28	
		LABOR			\$8.24	\$8,919.80	
			1,082.50	SY	\$48.60	Total:	\$52,609.50
20	ADJUST MANHOLE FRAME & COVER (CITY DTL. 9-03-062)	SUBCONTRACTOR	56.00	EA	\$598.50	\$33,516.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$69.50	\$3,892.00	
			56.00	EA	\$668.00	Total:	\$37,408.00
21	ADJUST WATER VALVE FRAME AND COVER TO FINISHED GRADE (REMOVE, REPLACE WITH NEW HARDWARE TO NUT)	SUBCONTRACTOR	7.00	EA	\$703.50	\$4,924.50	
		MATERIALS			\$300.00	\$2,100.00	
		EQUIPMENT			\$16.50	\$115.50	
		LABOR			\$50.00	\$350.00	
			7.00	EA	\$1,070.00	Total:	\$7,490.00
22	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES (CITY DTL. 9-03-062)	SUBCONTRACTOR	1.00	EA	\$578.00	\$578.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$50.00	\$50.00	
			1.00	EA	\$628.00	Total:	\$628.00
23	ADJUST METER BOX IN SIDEWALK	SUBCONTRACTOR	3.0	EA	\$650.00	\$1,950.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$0.00	\$0.00	
			3.0	EA	\$650.00	Total:	\$1,950.00
24	REMOVE AND REPLACE SURVEY MONUMENTS	SUBCONTRACTOR	18.0	EA	\$294.00	\$5,292.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$50.00	\$900.00	
			18.0	EA	\$344.00	Total:	\$6,192.00

LIST OF PLANS
AND SPECIFICATIONS

Flagstaff Street Maintenance Program - 2023
Peak Engineering, Inc. (928) 774-4046

Project No: 03-18005

PHASE 2 / OVERLAY

<u>Drawing No.</u>	<u>Drawing Title</u>	<u>Release Date</u>
C1.0	Cover Sheet	August 2023
C1.1	Notes & Legend	August 2023
C1.2	Details	August 2023
C2.0	Mill & Overlay	August 2023
C2.1	Mill & Overlay	August 2023
C3.0	Edge Improvements	August 2023
C4.0	Improvement Schedule	August 2023

Maricopa Association of Governments Uniform Standard Specifications and Details for Public Works
Construction General Provisions

City of Flagstaff Amendments to Maricopa Association of Governments
General Provisions

Peak Engineering, Inc. Special Provisions

LIST
OF
CLARIFICATIONS
AND
ASSUMPTIONS

Clarifications and Assumptions

City of Flagstaff Street Maintenance Program – 2023

1. It is assumed that City of Flagstaff team members will assist the contractor in identifying and marking the stop and start areas for pavement milling and chip seal.
2. If cross-street approaches are to be overlaid, the Engineer shall outline the location and extent of work on cross-streets prior to beginning the work.
3. We realize that no potable water will be utilized on this project. We will need to obtain a permit (no fee) at the Wildcat Hill Waste Water Treatment Plant and will be responsible for complying with all permit requirements.
4. The June 2023 ADOT Index was used to construct the GMP Asphalt prices for this project. Adjustments may have to be made during construction with variances in the Index.
5. It is assumed that during the term of this contract; 2019 MAG and C.O.F. Specifications will govern.
6. The City of Flagstaff will furnish all necessary quality control testing for this project.
7. GMP was built using engineers estimated quantities for striping. No revisions to striping were discussed. Any future revisions will be negotiated.
8. No obliteration of existing striping is included in this GMP.
9. No Thermo will be used on Chip Seal Streets.
 - a) All four-inch Double Solid Yellow will be “Paint”
 - b) All 18-inch Preformed Stop Bars will be “Thermo”
 - c) All four-inch Broken White will be “Paint”
 - d) All four-inch Solid and four-inch Broken Yellow will be “Paint”
 - e) Solid White Edge Line will be “Paint”
 - f) Six-inch Solid White Bike Lane Line “Paint”
 - g) Painted Bike Assembly will be “Thermo”
 - h) Preformed Turn Arrows will be “Thermo”
 - i) Solid White Lane Lines will be “Paint”
 - j) Six-inch Dashed Bike Lane will be “Paint”
 - k) Piano Key Crosswalks will be “Thermo”
10. Monuments not found will not be surveyed or reset.
11. City of Flagstaff to provide monument assigned point number and NAVD88 elevation for found monuments.



C and E
PAVING & GRADING
L.L.C.



PROJECT

MASTER

SCHEDULE

