

Chip Seal

CMAR

2019

GMP # 2



*STREET
MAINTENANCE
PROGRAM*

GMP SUMMARY

PROJECT NAME:	City of Flagstaff Street Maintenance Program 2019 - GMP #2 - Chip Seal
PROJECT NUMBER:	01-19001
LAST UPDATED:	5/2/2019
OWNER(S):	City of Flagstaff
BILLING ADDRESS:	211 West Aspen Avenue
JOB SITE ADDRESS:	various locations -
OWNER PHONE:	(928) 779-7685



GMP SUMMARY				
A	COST OF THE WORK (LABOR, MATERIALS, EQUIPMENT)			\$1,394,860.77
B	CM@RISK'S CONTINGENCY			\$150,000.00
		INDIRECT COSTS	RATE	
C	CONSTRUCTION FEE		4.8%	\$1,544,860.77
D	GENERAL CONDITIONS		9.8%	\$92,805.62
	D1	\$12,142.07	0.628%	\$189,478.16
	D2	\$23,974.79	1.24%	
E	SALES TAX	(8.951)	.054983	\$106,306.01
		F. TOTAL GMP		\$1,933,450.55
		G. OWNER'S CONTINGENCY		\$100,000.00
		H. CONTRACT AMOUNT		\$2,033,450.55

CITY OF FLAGSTAFF
GENERAL CONDITIONS ESTIMATE

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

PHASE #	CATEGORY DESCRIPTION	NOTES / SCOPE	BUDGET
General Requirements			
1	VEHICLE / FUEL ALLOWANCE		\$25,214.64
1	PROJECT MANAGER		\$33,982.54
1	SUPERINTENDENT		\$27,604.88
1	OFFICE PERSONNEL		\$4,697.78
1	OFFICE SUPPLIES AND EQUIPMENT		\$1,366.05
1	SITE MECHANIC & SERVICE TRUCK		\$15,966.24
1	TEMP SANITARY FACILITIES		\$773.95
1	ADDITIONAL PUBLIC NOTICES AND DELIVERY / LIME / CONCRETE PLASTIC		\$2,054.01
	SURVEY		\$1,459.54
1	MOBILIZATION		\$16,073.53
1	WARRANTY RESERVE	1.25% OF PROJECT	\$24,168.13
1	GL INSURANCE	1.24% OF PROJECT	\$23,974.79
1	PERFORMANCE BOND	.0062827% OF PROJECT	\$12,142.07
TOTAL			\$189,478.16

**COST SCHEDULE
OF VALUES**

2019 COF STREETS

Schedule of Values

GMP #2 - CHIP SEAL

NO.	DESCRIPTION	QUANTIT Y	UNIT	UNIT COST	COST
1	BITUMINOUS MATERIAL (CRS-2P)	556.0	T	\$553.00	\$307,468.00
2	COVER MATERIAL (CM-11)	5,313.0	T	\$73.00	\$387,849.00
3	CRACK SEALING	100	T	\$3,650.00	\$365,000.00
4	HOT MIX ASPHALT - (LARGE THERMAL CRACK FILLER)	100	T	\$250.00	\$25,000.00
5	STREET REBUILDING & PATCHING CONTINGENCY	300	SY	\$61.00	\$18,300.00
6	STRIPING AND MARKING	1	LS	\$94,981.77	\$94,981.77
7	TRAFFIC CONTROL	1	LS	\$158,102.00	\$158,102.00
8	FOG COAT LAKE MARY (WALAPAI TO CITY LIMITS)	61	T	\$450.00	\$27,450.00
9	FOG COAT HIGH COUNTRY TRAIL (WILD WEST TO PULLIAM) & PULLIAM (HIGH COUNTRY TO J.W. POWELL)	21	T	\$510.00	\$10,710.00

TOTAL COST=	\$1,394,860.77
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BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
1	BITUMINOUS MATERIAL (CRS-2P)	SUBCONTRACTOR	556	Ton	\$132.00	\$73,392.00	
		MATERIALS			\$418.00	\$232,408.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$3.00	\$1,668.00	
			556.0	Ton	\$553.00	Total:	\$307,468.00
2	COVER MATERIAL (CM-11)	SUBCONTRACTOR	5313.0	Ton	\$0.00	\$0.00	
		MATERIALS			\$29.00	\$154,077.00	
		EQUIPMENT			\$31.35	\$166,562.55	
		LABOR			\$12.65	\$67,209.45	
			5313.0	Ton	\$73.00	Total:	\$387,849.00
3	CRACK SEALING	SUBCONTRACTOR	100.0	Ton	\$3,600.00	\$360,000.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$50.00	\$5,000.00	
			100.0	Ton	\$3,650.00	Total:	\$365,000.00
4	HOT MIX ASPHALT - (LARGE THERMAL CRACK FILLER)	SUBCONTRACTOR	100	Ton	\$0.00	\$0.00	
		MATERIALS			\$81.00	\$8,100.00	
		EQUIPMENT			\$99.00	\$9,900.00	
		LABOR			\$70.00	\$7,000.00	
			100.0	Ton	\$250.00	Total:	\$25,000.00
5	STREET REBUILDING & PATCHING CONTINGENCY	SUBCONTRACTOR	300	SY	\$0.00	\$0.00	
		MATERIALS			\$28.00	\$8,400.00	
		EQUIPMENT			\$22.00	\$6,600.00	
		LABOR			\$11.00	\$3,300.00	
			300.00	SY	\$61.00	Total:	\$18,300.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
6	STRIPING AND MARKING	SUBCONTRACTOR	1	LS	\$94,981.77	\$94,981.77	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$0.00	\$0.00	
			1.0	LS	\$94,981.77	Total:	\$94,981.77
7	TRAFFIC CONTROL	SUBCONTRACTOR	1.00	LS	\$124,877.00	\$124,877.00	
		MATERIALS			\$0.00	\$0.00	
		EQUIPMENT			\$0.00	\$0.00	
		LABOR			\$33,225.00	\$33,225.00	
			1.00	LS	\$158,102.00	Total:	\$158,102.00
8	FOG COAT LAKE MARY (WALAPAI TO CITY LIMITS)	SUBCONTRACTOR	61	Ton	\$101.00	\$6,161.00	
		MATERIALS			\$200.00	\$12,200.00	
		EQUIPMENT			\$120.50	\$7,350.50	
		LABOR			\$28.50	\$1,738.50	
			61	Ton	\$450.00	Total:	\$27,450.00
9	FOG COAT HIGH COUNTRY TRAIL (WILD WEST TO PULLIAM) & PULLIAM (HIGH COUNTRY TO J.W. POWELL)	SUBCONTRACTOR	21	Ton	\$133.00	\$2,793.00	
		MATERIALS			\$200.00	\$4,200.00	
		EQUIPMENT			\$140.50	\$2,950.50	
		LABOR			\$36.50	\$766.50	
			21	Ton	\$510.00	Total:	\$10,710.00

Total: \$1,394,860.77



**LIST OF PLANS
AND SPECIFICATIONS**

Flagstaff Street Maintenance Program - 2019
Shephard - Wesnitzer Inc. (928) 773-0354

Project No: 01-19001
GMP #2 - Chip Seal

<u>Drawing No.</u>	<u>Drawing Title</u>	<u>Release Date</u>
C1	Cover	05-2019
C2	Notes and Details	05-2019
C3	Key Map - Overlay	05-2019
C4	Improvement Schedule	05-2019

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

Shephard - Wesnitzer Inc. Special Provisions

LIST
OF
CLARIFICATIONS
AND
ASSUMPTIONS

Clarifications and Assumptions

City of Flagstaff Street Maintenance Program – 2019

GMP #2 – Chip Seal

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 January 2018 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; 2018 MAG and C.O.F. Specifications will govern.
6. The City of Flagstaff will furnish all necessary quality control testing for this project.
7. The City of Flagstaff will Trim and dispose of any trees that conflict with the construction methods.
8. GMP was built using engineers estimated quantities for striping. No revisions to striping was discussed. Any future revisions will be negotiated.
9. No obliteration of existing striping is included in this GMP.
10. No Thermo will be used on Chip Seal Streets.

- 1): 4" Double Yellow - Paint
- 4): 18" Preformed Stop Bars ADOT 705 Tape
- 6): 4" Broken White - Paint
- 7): 4" Solid/4" Broken Yellow - Paint
- 8): 4" Solid White Edge Line - Paint
- 9): 4" Parking Stall White - Paint
- 10): 6" Solid White Bike Lane - Paint
- 11): Painted Bike Assembly – ADOT 705 Tape
- 12): Performed Turn Arrows (RT, LT, Straight, Combo, Rail Road Crossing) – ADOT 705 Tape
- 13): Solid White Lane Liens – Paint
- 15): 6" Dashed Bike Lane – Paint
- 16): Piano Key Crosswalk – ADOT 705 Tape



**PROJECT
MASTER
SCHEDULE**

