GMP SUMMARY 2016

STREET MAINTENANCE PROGRAM

GMP SUMMARY

PROJECT NAME:	City of Flagstaff Street Maintenance Program 2016
PROJECT NUMBER:	01-16001
LAST UPDATED:	3/7/2016
OWNER(S):	City of Flagstaff
BILLNG ADDRESS:	211 West Aspen Avenue
JOB SITE ADDRESS:	various locations - **Streets**
OWNER PHONE:	(928) 779-7685

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

GMP SUMMARY					
A	COST OF THE WORK (LABOR, MATERIALS, EQUIPMENT)				$2,177,852.44
B	CM@RISK'S CONTINGENCY				$50,000.00
	INDIRECT COSTS			RATE	$2,227,852.44
C	CONSTRUCTION FEE			4.8%	$133,834.24
D	GENERAL CONDITIONS			9.8%	$273,247.52
	D1	PAYMENT AND PERFORMANCE BOND	$17,510.00	0.628%	
	D2	INSURANCE	$34,574.00	1.24%	
E	SALES TAX		(8.951)	.054983	$153,305.80
			F. TOTAL GMP		$2,788,240.00
			G. OWNER'S CONTINGENCY		$50,000.00
			H. CONTRACT AMOUNT		$2,838,240.00

CITY OF FLAGSTAFF
GENERAL CONDITIONS ESTIMATE

PROJECT NAME:	City of Flagstaff Street Maintenance Program - 2016
PROJECT NUMBER:	01-16001
LAST UPDATED:	3/7/2016
OWNER(S):	City of Flagstaff
BILLNG ADDRESS:	211 West Aspen Avenue
JOB SITE ADDRESS:	various locations **2016 Streets**
OWNER PHONE:	(928) 779-7685

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PHASE #		CATEGORY DESCRIPTION	NOTES / SCOPE	BUDGET
General Requirements				
1		VEHICLE / FUEL ALLOWANCE		$36,363.00
1		PROJECT MANAGER		$49,007.00
1		SUPERINTENDENT		$39,809.00
1		OFFICE PERSONNEL		$6,775.52
1		OFFICE SUPPLIES AND EQUIPMENT		$1,970.00
1		SITE MECHANIC & SERVICE TRUCK		$23,026.00
1		TEMP SANITARY FACILITIES		$1,117.00
1		ADDITIONAL PUBLIC NOTICES AND DELIVERY/ LIME / CONCRETE PLASTIC		$2,963.00
		SURVEY		$0.00
1		MOBILIZATION		$25,280.00
1		WARRANTY RESERVE	1.25% OF PROJECT	$34,853.00
1		GL INSURANCE	1.24% OF PROJECT	$34,574.00
1		PERFORMANCE BOND	.0062827% OF PROJECT	$17,510.00
TOTAL				$273,247.52

COST SCHEDULE OF VALUES

2016 City Street Maintenance Program

Schedule of Values

C and E Paving & Grading L.L.C.

BID NO.	DESCRIPTION	APPROX. QUANTITY	UNIT	Unit Cost	Cost
1	ADJUST MANHOLE FRAME & COVER (CITY DTL. 9-03-060)	92.0	EA	$575.00	$52,900.00
2	AIRPORT CRACK FILL	6.2	T	$3,350.00	$20,770.00
3	OWNER CONTINGENCY	1.0	LS	$0.00	$0.00
4	CRACK SEALING	26.0	T	$3,350.00	$87,100.00
5	HOT MIX ASPHALT - (LARGE THERMAL CRACK FILLER)	100.0	T	$242.25	$24,225.00
6	LOWER MANHOLE FRAME & COVER, SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES	75.0	EA	$382.00	$28,650.00
7	MODIFIED ASPHALTIC CONCRETE	6207.5	T	$110.00	$682,825.00
8	PAVEMENT MILLING	37160.5	SY	$2.89	$107,393.85
9	REMOVE AND REPLACE CONCRETE APRON & VALLEY GUTTER	13592.7	SF	$19.40	$263,698.38
10	REMOVE AND REPLACE CONCRETE DRIVEWAY (INCLUDING. 6"ABC)	4147.4	SF	$19.40	$80,459.56
11	REMOVE AND REPLACE CURB AND GUTTER (ROLL- IN CLUDING 3" ABC)	98.0	LF	$34.10	$3,341.80
12	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL- INCLUDING. 3"ABC)	393.5	LF	$34.60	$13,615.10
13	REMOVE AND REPLACE CURB IN APRON	2093.8	LF	$35.00	$73,283.00
14	REMOVE AND REPLACE PAVEMENT (4" AC [C-3/4"]) PATCH	842.6	SY	$75.80	$63,869.08
15	MANHOLE RECONSTRUCT	1.0	EA	$11,826.00	$11,826.00
16	REMOVE AND REPLACE SIDEWALK (INCLUDING 3"ABC)	21103.1	SF	$10.50	$221,582.55
17	REMOVE AND REPLACE SURVEY MONUMENTS	69.0	EA	$160.00	$11,040.00
18	REMOVE RAMP & INSTALL DETECTABLE WARNING (ADA Ramp MAG 235-3) INCLUDING 3" ABC	66.0	EA	$1,906.00	$125,796.00
19	REMOVE, REPLACE & ADJUST WATER VALVE BOX AND COVER	102.0	EA	$731.00	$74,562.00
20	STREET REBUILDING & PATCHING CONTINGENCY	300.0	SY	$58.00	$17,400.00
21	STRIPING AND MARKING	1.0	LS	$11,409.12	$11,409.12
22	TACK COAT (SS-1H)	18.4	T	$890.00	$16,376.00
23	TRAFFIC CONTROL	1.0	LS	$142,401.00	$142,401.00
24	LOWER WATER VALVE BOX	78.0	EA	$366.00	$28,548.00
25	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES (CITY DTL. 9-03-062)	3.0	EA	$507.00	$1,521.00
26	REMOVE RAMP & RETROFIT DETECTABLE WARNING (ADA Ramp MAG 235) INCLUDING 3" ABC	4.0	EA	$1,440.00	$5,760.00
27	CMAR CONTINGENCY	1.0	LS		$0.00
28	CONSTRUCTION SURVEY	1.0	L.S	$7,500.00	$7,500.00
				Total=	**$2,177,852.44**

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
1	ADJUST MANHOLE FRAME & COVER (CITY DTL. 9-03-060)	SUBCONTRACTOR	92.0	EA.	$535.00	$49,220.00	
		MATERIALS				$0.00	
		EQUIPMENT				$0.00	
		LABOR			$40.00	$3,680.00	
			92.0	EA.	$575.00	Total:	$52,900.00
2	AIRPORT CRACK FILL	SUBCONTRACTOR	6.2	Ton	$3,300.00	$20,460.00	
		MATERIALS				$0.00	
		EQUIPMENT			$6.00	$37.20	
		LABOR			$44.00	$272.80	
			6.2	Ton	$3,350.00	Total:	$20,770.00
3	OWNER CONTINGENCY	SUBCONTRACTOR	1.0	LS		$0.00	
		MATERIALS				$0.00	
		EQUIPMENT				$0.00	
		LABOR				$0.00	
			1.0	LS	$0.00	Total:	$0.00
4	CRACK SEALING	SUBCONTRACTOR	26.0	Ton	$3,300.00	$85,800.00	
		MATERIALS				$0.00	
		EQUIPMENT			$6.00	$156.00	
		LABOR			$44.00	$1,144.00	
			26.0	Ton	$3,350.00	Total:	$87,100.00
5	HOT MIX ASPHALT-(LARGE THERMAL CRACK FILLER)	SUBCONTRACTOR					
		MATERIALS	100.0	Ton	$72.00	$7,200.00	
		EQUIPMENT			$101.00	$10,100.00	
		LABOR			$69.25	$6,925.00	
			100.0	Ton	$242.25	Total:	$24,225.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
6	LOWER MANHOLE FRAME & COVER, SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES	SUBCONTRACTOR	75.0	EA.	$350.00	$26,250.00	
		MATERIALS				$0.00	
		EQUIPMENT				$0.00	
		LABOR			$32.00	$2,400.00	
			75.0	EA.	$382.00	Total:	$28,650.00
7	MODIFIED ASPHALTIC CONCRETE	SUBCONTRACTOR					
		MATERIALS	6,207.50	Ton	$97.50	$605,231.25	
		EQUIPMENT			$10.14	$62,944.05	
		LABOR			$2.36	$14,649.70	
			6,207.50	Ton	$110.00	Total:	$682,825.00
8	PAVEMENT MILLING	SUBCONTRACTOR	37,160.50	S.Y.	$2.79	$103,677.80	
		MATERIALS			$0.01	$226.00	
		EQUIPMENT			$0.08	$3,118.00	
		LABOR			$0.01	$372.05	
			37,160.50	S.Y.	$2.89	Total:	$107,393.85
9	REMOVE AND REPLACE CONCRETE APRON & VALLEY GUTTER	SUBCONTRACTOR	13,592.70	S.F.	$7.75	$105,343.43	
		MATERIALS			$0.20	$2,718.54	
		EQUIPMENT			$3.36	$45,671.47	
		LABOR			$8.09	$109,964.94	
			13,592.70	S.F.	$19.40	Total:	$263,698.38
10	REMOVE AND REPLACE CONCRETE DRIVEWAY (INCLUDING. 6"ABC)	SUBCONTRACTOR	4,147.40	S.F.	$7.75	$32,142.35	
		MATERIALS			$0.20	$829.48	
		EQUIPMENT			$3.36	$13,935.26	
		LABOR			$8.09	$33,552.47	
			4,147.40	S.F.	$19.40	Total:	$80,459.56

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
11	REMOVE AND REPLACE CURB AND GUTTER (ROLL-IN CLUDING 3" ABC)	SUBCONTRACTOR	98.0	L.F.	$16.00	$1,568.00	
		MATERIALS			$0.40	$39.20	
		EQUIPMENT			$8.00	$784.00	
		LABOR			$9.70	$950.60	
			98.0	L.F.	$34.10	Total:	$3,341.80
12	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL- INCLUDING. 3"ABC)	SUBCONTRACTOR	393.5	L.F.	$16.50	$6,492.75	
		MATERIALS			$0.35	$137.73	
		EQUIPMENT			$7.75	$3,049.63	
		LABOR			$10.00	$3,935.00	
			393.5	L.F.	$34.60	Total:	$13,615.10
13	REMOVE AND REPLACE CURB IN APRON	SUBCONTRACTOR	2,093.80	L.F.	$17.00	$35,594.60	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$8.29	$17,357.60	
		LABOR			$9.71	$20,330.80	
			2,093.80	L.F.	$35.00	Total:	$73,283.00
14	REMOVE AND REPLACE PAVEMENT (4" AC [C-3/4"]) PATCH	SUBCONTRACTOR	842.6	S.Y.		$0.00	
		MATERIALS			$24.76	$20,862.78	
		EQUIPMENT			$30.67	$25,842.54	
		LABOR			$20.37	$17,163.76	
			842.6	S.Y.	$75.80	Total:	$63,869.08
15	MANHOLE RECONSTRUCT	SUBCONTRACTOR	1.0	EA.	$10,350.00	$10,350.00	
		MATERIALS			$296.00	$296.00	
		EQUIPMENT			$660.00	$660.00	
		LABOR			$520.00	$520.00	
			1.0	EA.	$11,826.00	Total:	$11,826.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
16	REMOVE AND REPLACE SIDEWALK (INCLUDING 3"ABC)	SUBCONTRACTOR	21,103.10	S.F.	$3.95	$83,357.25	
		MATERIALS			$0.11	$2,321.34	
		EQUIPMENT			$2.07	$43,683.42	
		LABOR			$4.37	$92,220.55	
			21,103.10	S.F.	$10.50	Total:	$221,582.55
17	REMOVE AND REPLACE SURVEY MONUMENTS	SUBCONTRACTOR	69.0	EA.	150.00	$10,350.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$10.00	$690.00	
			69.0	EA.	$160.00	Total:	$11,040.00
18	REMOVE RAMP & INSTALL DETECTABLE WARNING (ADA Ramp MAG 235-3) INCLUDING 3" ABC	SUBCONTRACTOR	66.0	EA.	975.00	$64,350.00	
		MATERIALS			$19.30	$1,273.80	
		EQUIPMENT			$336.70	$22,222.20	
		LABOR			$575.00	$37,950.00	
			66.0	EA.	$1,906.00	Total:	$125,796.00
19	REMOVE, REPLACE & ADJUST WATER VALVE BOX AND COVER	SUBCONTRACTOR	102.0	EA.	545.00	$55,590.00	
		MATERIALS			$158.00	$16,116.00	
		EQUIPMENT			$10.40	$1,060.80	
		LABOR			$17.60	$1,795.20	
			102.0	EA.	$731.00	Total:	$74,562.00
20	STREET REBUILDING & PATCHING CONTINGENCY	SUBCONTRACTOR	300.0	S.Y.		$0.00	
		MATERIALS			$26.00	$7,800.00	
		EQUIPMENT			$21.25	$6,375.00	
		LABOR			$10.75	$3,225.00	
			300.0	S.Y.	$58.00	Total:	$17,400.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
21	STRIPING AND MARKING	SUBCONTRACTOR	1.0	LS	$11,409.12	$11,409.12	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$0.00	$0.00	
			1.0	LS	$11,409.12	Total:	$11,409.12
22	TACK COAT (SS-1H)	SUBCONTRACTOR	18.4	Ton	$695.55	$12,798.12	
		MATERIALS			$194.45	$3,577.88	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$0.00	$0.00	
			18.4	Ton	$890.00	Total:	$16,376.00
23	TRAFFIC CONTROL	SUBCONTRACTOR	1.0	LS	$142,401.00	$142,401.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$0.00	$0.00	
			1.0	LS	$142,401.00	Total:	$142,401.00
24	LOWER WATER VALVE BOX	SUBCONTRACTOR	78.0	EA.	$350.00	$27,300.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$16.00	$1,248.00	
			78.0	EA.	$366.00	Total:	$28,548.00
25	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES (CITY DTL. 9-03-062)	SUBCONTRACTOR	3.0	EA.	$485.00	$1,455.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$22.00	$66.00	
			3.0	EA.	$507.00	Total:	$1,521.00

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
26	REMOVE RAMP & RETROFIT DETECTABLE WARNING (ADA Ramp MAG 235) INCLUDING 3" ABC	SUBCONTRACTOR	4.0	EA.	$960.00	$3,840.00	
		MATERIALS			$14.50	$58.00	
		EQUIPMENT			$150.00	$600.00	
		LABOR			$315.50	$1,262.00	
			4.0	EA.	$1,440.00	Total:	$5,760.00
27	CMAR CONTINGENCY	SUBCONTRACTOR	1.0	LS	$0.00	$0.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$0.00	$0.00	
			1.0	LS	$0.00	Total:	$0.00
28	CONSTRUCTION SURVEY	SUBCONTRACTOR	1.0	LS	$7,500.00	$7,500.00	
		MATERIALS			$0.00	$0.00	
		EQUIPMENT			$0.00	$0.00	
		LABOR			$0.00	$0.00	
			1.0	LS	$7,500.00	Total:	$7,500.00

Total: $2,177,852.44

LIST OF PLANS AND SPECIFICATIONS

Flagstaff Street Maintenance Program - 2016
Plateau Engineering (928) 556-0311

Project No: 01-16001

Drawing No.	Drawing Title	Release Date
1 of 4	Cover Sheet	
2 of 4	Notes and Details	
3 of 4	Key Maps for Overlay	
4 of 4	Improvement Schedule and Quantities	

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

Plateau Engineering Special Provisions

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

LIST

OF

CLARIFICATIONS

AND

ASSUMPTIONS

Project No: 01-16001

Account No: _____

Clarifications and Assumptions

City of Flagstaff Street Maintenance Program – 2016

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 2016 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; 2015 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 Manhole # 10-420 re-construction on Deer Crossing Road does not Include installing a new base. The existing base will be re-used. The price for re-construction does not include any conflicts with other utilities. No additional public notification will be done during re-construction.

PROJECT

MASTER

SCHEDULE

C AND E PAVING & GRADING L.L.C.

UPDATED: 03/07/2016

City of Flagstaff
2016 City Street Maintenance Program
Project No: 01-16001

TENTATIVE SCHEDULE

APRIL

March	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W
	14	15	16	17	18	21	22	23	24	25	28	29	30	31	1	4	5	6	7	8	11	12	13	14	15	18	19	20	21	22	25	26	27	28	29							
Traffic Control																																										
Concrete Structures (1,100 C.Y.)																																										
Re-construct Manhole																																										
Large thermal Cracks																																										
Street re-build Patch																																										
Crack Seal																																										
Crack Seal Airport																																										
Lower manholes (75 ea.) & Valves (78 ea.)																																										
Milling																																										
MAC Overlay																																										
Striping																																										

	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F	M	T	W	TH	F																		
	2	3	4	5	6	9	10	11	12	13	16	17	18	19	20	23	24	25	26	27																						
Traffic Control																																										
Concrete Structures (Sidewalk)																																										
Adjust Manholes (92 ea.) Valves (102 ea.)																																										
RIR Survey Monuments (69 ea.)																																										