

GMP SUMMARY

2015



STREET

MAINTENANCE

PROGRAM

PROJECT NO: 01-15001
ASPHALT OVERLAY

GMP # 1

GMP SUMMARY

PROJECT NAME:	City of Flagstaff Street Maintenance Program 2015
PROJECT NUMBER:	01-15001
LAST UPDATED:	
OWNER(S):	City of Flagstaff
BILLNG ADDRESS:	211 West Aspen Avenue
JOB SITE ADDRESS:	various locations - 2015 Asphalt Overlay
OWNER PHONE:	(928) 213-2108



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

GMP SUMMARY				
A	COST OF THE WORK (LABOR, MATERIALS, EQUIPMENT)			\$2,646,028.20
B	CM@RISK'S CONTINGENCY			\$50,000.00
INDIRECT COSTS				
			RATE	\$2,696,028.20
C	CONSTRUCTION FEE			
			4.8%	\$161,960.62
D	GENERAL CONDITIONS			
			9.8%	\$330,669.56
	D1	PAYMENT AND PERFORMANCE BOND		
			\$21,189.85	0.628%
	D2	INSURANCE		
			\$41,839.82	1.24%
E	SALES TAX ON MATERI (8.951)			0.054983
				\$185,520.91
	F. TOTAL GMP			\$3,374,179.29
	G. OWNER'S CONTINGENCY			\$50,000.00
	H. CONTRACT AMOUNT			\$3,424,179.29

CITY OF FLAGSTAFF
GENERAL CONDITIONS ESTIMATE



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

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PHASE #	CATEGORY DESCRIPTION	NOTES / SCOPE	BUDGET
General Requirements			
1	VEHICLE / FUEL ALLOWANCE		\$44,005.00
1	PROJECT MANAGER		\$59,310.30
1	SUPERINTENDENT		\$48,180.15
1	OFFICE PERSONEL		\$8,200.20
1	OFFICE SUPPLIES AND EQUIPMENT		\$2,378.00
1	SITE MECHANIC & SERVICE TRUCK		\$27,865.00
1	TEMP SANITARY FACILITIES		\$1,353.00
1	ADDITIONAL PUBLIC NOTICES AND DELIVERY/ LIME / CONCRETE PLASTIC		\$3,587.00
	SURVEY		\$9,300.00
1	MOBILIZATION		\$21,284.00
1	WARRANTY RESERVE	1.25% OF PROJECT	\$42,177.24
1	GL INSURANCE	1.24% OF PROJECT	\$41,839.82
1	PERFORMANCE BOND	.0062827% OF PROJECT	\$21,189.85
TOTAL			\$330,669.56

**COST SCHEDULE
OF VALUES**

2015 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)	117.0	EA	\$575.00	\$67,275.00
2	Adjust Meter Box in Sidewalk	6.0	EA	\$25.00	\$150.00
3	Airport Crack Fill	5.7	T	\$3,350.00	\$19,095.00
4	Owner Contingency	1.0	EA	\$0.00	\$0.00
5	Crack Sealing	42.6	T	\$3,350.00	\$142,710.00
6	Hot Mix Asphalt - (Large Thermal Crack Filler)	150.0	T	\$242.25	\$36,337.50
7	Lower Manhole Frame & Cover, Sewer Cleanout, Blowoffs and Survey Handholes	107.0	EA	\$382.00	\$40,874.00
8	Modified Asphaltic Concrete	9,638.7	T	\$109.98	\$1,060,064.23
9	Pavement Milling	80,870.6	SY	\$2.47	\$199,750.38
10	Remove and replace Concrete Apron & Valley Gutter	506.8	SF	\$19.20	\$9,730.56
11	Remove and replace Concrete Driveway (including. 6" ABC)	2,121.0	SF	\$19.20	\$40,723.20
12	Remove and replace Curb and Gutter (Roll- including 3" ABC)	283.8	LF	\$34.10	\$9,677.58
13	Remove and replace Curb and Gutter (Vertical- including. 3" ABC)	1,311.0	LF	\$34.60	\$45,360.60
14	Remove and replace Curb in Apron	14.0	LF	\$35.00	\$490.00
15	Remove and replace Pavement (4" AC [c-3/4"]) Patch	398.5	SY	\$75.82	\$30,214.27
16	Remove and replace Sidewalk (including. 3" ABC)	17,525.4	SF	\$10.50	\$184,016.70
17	Remove and replace Survey Monuments	47.0	EA	\$160.00	\$7,520.00
18	Remove Ramp & install Detachable Warning (ADA Ramp MAG 235-3) including 3" ABC	13.0	EA	\$1,906.00	\$24,778.00
19	Remove Ramp & install Detachable Warning (ADA Ramp MAG 235-4) including 3" ABC	1.0	EA	\$1,906.00	\$1,906.00
20	Remove, replace & adjust Water Valve Box and Cover	192.0	EA	\$731.00	\$140,352.00
21	Street rebuilding & patching Contingency	300.0	SY	\$58.08	\$17,424.00
22	Striping and Marking	1.0	LS	\$37,482.18	\$37,482.18
23	Tack Coat (SS-1H)	27.3	T	\$1,140.00	\$31,122.00
24	Traffic Control	1.0	LS	\$293,912.00	\$293,912.00
25	Lower Water Valve Box	155.0	EA	\$366.00	\$56,730.00
26	Adjust Sewer Cleanout, Blowoffs and Survey Handholds (City DTL 9-03-062)	7.0	EA	\$507.00	\$3,549.00
27	Manhole Reconstruct	8.0	EA	\$12,518.00	\$100,144.00
28	Remove Ramp & retrofit Detachable Warning (ADA Ramp MAG 232) including 3" ABC	31.0	EA	\$1,440.00	\$44,640.00
29	CMAR Contingency	1.0	EA	\$0.00	\$0.00
				Total=	\$2,646,028.20

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	117.0	EA	\$535.00	\$62,595.00	
		MATERIALS					
		EQUIPMENT					
		LABOR				\$4,680.00	
				117.0	EA	\$575.00	Total:
2	ADJUST METER BOX IN SIDEWALK	SUBCONTRACTOR	6.0	EA	\$25.00	\$150.00	
		MATERIALS					
		EQUIPMENT					
		LABOR					
				6.0	EA	\$25.00	Total:
3	AIRPORT CRACK FILL	SUBCONTRACTOR	5.7	T	\$3,300.00	\$18,810.00	
		MATERIALS					
		EQUIPMENT				\$35.00	
		LABOR				\$250.00	
				5.7	T	\$3,350.00	Total:
4	OWNER CONTINGENCY	SUBCONTRACTOR	1.0	EA	\$0.00	\$0.00	
		MATERIALS					
		EQUIPMENT					
		LABOR					
				1.0	EA	\$0.00	Total:
5	CRACK SEALING	SUBCONTRACTOR	42.6	T	\$3,300.00	\$140,580.00	
		MATERIALS					
		EQUIPMENT				\$255.00	
		LABOR				\$1,875.00	
				42.6	T	\$3,350.00	Total:

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST	
6	HOT MIX ASPHALT - (LARGE THERMAL CRACK FILLER)	SUBCONTRACTOR						
		MATERIALS	150.0	T	\$72.00	\$10,800.00		
		EQUIPMENT					\$15,115.00	
		LABOR					\$10,422.50	
			0.0	T	\$242.25	Total:	\$36,337.50	
7	LOWER MANHOLE FRAME & COVER, SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLES	SUBCONTRACTOR	107.0	EA	\$350.00	\$37,450.00		
		MATERIALS						
		EQUIPMENT						
		LABOR					\$3,424.00	
			107.0	EA	\$382.00	Total:	\$40,874.00	
8	MODIFIED ASPHALTIC CONCRETE	SUBCONTRACTOR		T				
		MATERIALS	9638.70		\$97.50	\$939,773.25		
		EQUIPMENT					\$97,322.00	
		LABOR					\$22,968.98	
			-	T	\$109.98	Total:	\$1,060,064.23	
9	PAVEMENT MILLING	SUBCONTRACTOR	80,870.60	SY	\$2.37	\$191,663.32		
		MATERIALS					\$420.00	
		EQUIPMENT					\$6,620.00	
		LABOR					\$1,047.06	
			80,870.60	SY	\$2.47	Total:	\$199,750.38	
10	REMOVE AND REPLACE CONCRETE APRON & VALLEY GUTTER	SUBCONTRACTOR	506.8	SF	\$7.55	\$3,826.34		
		MATERIALS					\$100.00	
		EQUIPMENT					\$1,686.00	
		LABOR					\$4,118.22	
			506.8	SF	\$19.20	Total:	\$9,730.56	

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
11	REMOVE AND REPLACE CONCRETE DRIVEWAY (INCLUDING. 6"ABC)	SUBCONTRACTOR	2,121.00	SF	\$7.55	\$16,013.55	
		MATERIALS				\$400.00	
		EQUIPMENT				\$6,914.00	
		LABOR				\$17,395.65	
				2,121.00	SF	\$19.20	Total:
12	REMOVE AND REPLACE CURB AND GUTTER (ROLL-IN CLUDING 3" ABC)	SUBCONTRACTOR	283.80	LF	\$16.00	\$4,540.80	
		MATERIALS				\$100.00	
		EQUIPMENT				\$2,280.00	
		LABOR				\$2,756.78	
				283.80	LF	\$34.10	Total:
13	REMOVE AND REPLACE CURB AND GUTTER (VERTICAL- INCLUDING. 3"ABC)	SUBCONTRACTOR	1,311.00	LF	\$16.50	\$21,631.50	
		MATERIALS				\$460.00	
		EQUIPMENT				\$10,141.00	
		LABOR				\$13,128.10	
				1,311.00	LF	\$34.60	Total:
14	REMOVE AND REPLACE CURB IN APRON	SUBCONTRACTOR	14.00	LF	\$17.00	\$238.00	
		MATERIALS				\$0.00	
		EQUIPMENT				\$116.00	
		LABOR				\$136.00	
				14.00	LF	\$35.00	Total:
15	REMOVE AND REPLACE PAVEMENT (4" AC [C-3/4"]) PATCH	SUBCONTRACTOR	398.50	SY			
		MATERIALS				\$9,870.00	
		EQUIPMENT				\$12,223.00	
		LABOR				\$8,121.27	
				398.50	SY	\$75.82	Total:

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	17,525.40	SF	\$3.95	\$69,225.33	
		MATERIALS				\$1,850.00	
		EQUIPMENT				\$36,341.00	
		LABOR				\$76,600.37	
				17,525.40	SF	\$10.50	Total:
17	REMOVE AND REPLACE SURVEY MONUMENTS	SUBCONTRACTOR	47.00	EA	150.00	\$7,050.00	
		MATERIALS					
		EQUIPMENT					
		LABOR				\$470.00	
				47.00	EA	\$160.00	Total:
18	REMOVE RAMP & INSTALL DETACHABLE WARNING (ADA Ramp MAG 235-3) INCLUDING 3" ABC	SUBCONTRACTOR	13.00	EA	975.00	\$12,675.00	
		MATERIALS				\$250.00	
		EQUIPMENT				\$4,377.00	
		LABOR				\$7,476.00	
				13.00	EA	\$1,906.00	Total:
19	REMOVE RAMP & INSTALL DETACHABLE WARNING (ADA Ramp MAG 235-4) INCLUDING 3" ABC	SUBCONTRACTOR	1.00	EA	975.00	\$975.00	
		MATERIALS				\$20.00	
		EQUIPMENT				\$330.00	
		LABOR				\$581.00	
				1.00	EA	\$1,906.00	Total:
20	REMOVE, REPLACE & ADJUST WATER VALVE BOX AND COVER	SUBCONTRACTOR	192.00	EA	545.00	\$104,640.00	
		HARDWARE			\$157.25	\$30,192.00	
		EQUIPMENT			\$10.25	\$1,968.00	
		LABOR			\$18.50	\$3,552.00	
				192.00	EA	\$731.00	Total:

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
21	STREET REBUILDING & PATCHING CONTINGENCY	SUBCONTRACTOR	300.00	SY			
		MATERIALS				\$7,800.00	
		EQUIPMENT				\$6,376.00	
		LABOR				\$3,248.00	
				300.00	SY	\$58.08	Total
22	STRIPING AND MARKING	SUBCONTRACTOR	1.00	LS	\$37,482.18	\$37,482.18	
		MATERIALS					
		EQUIPMENT					
		LABOR					
				1.00	LS		Total:
23	TACK COAT (SS-1H)	SUBCONTRACTOR	27.30	T	\$640.00	\$17,472.00	
		MATERIALS			\$500.00	\$13,650.00	
		EQUIPMENT					
		LABOR					
				27.30	T	\$1,140.00	Total:
24	TRAFFIC CONTROL	SUBCONTRACTOR	1.00	LS	\$293,912.00	\$293,912.00	
		MATERIALS					
		EQUIPMENT					
		LABOR					
				1.00	LS		Total:
25	LOWER WATER VALVE BOX	SUBCONTRACTOR	155.00	EA	\$350.00	\$54,250.00	
		MATERIALS					
		EQUIPMENT					
		LABOR				\$2,480.00	
				155.00	EA	\$366.00	Total:

BID NO.	BID ITEM	DESCRIPTION	FORECAST QUANTITIES	UNIT	UNIT COST	UNIT COST FORECAST	TOTAL COST FORECAST
26	ADJUST SEWER CLEANOUT, BLOWOFFS AND SURVEY HANDHOLDS (CITY DTL. 9-03-062)	SUBCONTRACTOR	7.00	EA	\$485.00	\$3,395.00	
		MATERIALS					
		EQUIPMENT					
		LABOR				\$154.00	
				7.00	EA	\$507.00	Total
27	MANHOLE RECONSTRUCT	SUBCONTRACTOR	8.00	EA	\$10,943.00	\$87,544.00	
		MATERIALS				\$1,960.00	
		EQUIPMENT				\$10,640.00	
		LABOR				\$0.00	
				8.00	EA	\$12,518.00	Total:
28	REMOVE RAMP & RETROFIT DETACHABLE WARNING (ADA Ramp MAG 232) INCLUDING 3" ABC	SUBCONTRACTOR	31.00	EA	\$690.00	\$21,390.00	
		MATERIALS				\$445.00	
		EQUIPMENT				\$7,805.00	
		LABOR				\$15,000.00	
				31.00	EA	\$1,440.00	Total:
29	CMAR CONTINGENCY	SUBCONTRACTOR	1.00	EA		\$0.00	
		MATERIALS					
		EQUIPMENT					
		LABOR					
				1.00	EA		Total:
		SUBCONTRACTOR					
		MATERIALS					
		EQUIPMENT					
		LABOR					
						Total:	

Total: \$2,646,028.20

LIST OF PLANS
AND SPECIFICATIONS

<u>Drawing No.</u>	<u>Drawing Title</u>	<u>Release Date</u>
1 of 7	Cover Sheet	
2 of 7	Notes and Details	
3 of 7	Key Maps for Overlay	
4 of 7	Improvement Schedule and Quantities for Overlay	
5 of 7	Key Map for Chip Seal	
6 of 7	Key Map for Chip Seal	
7 of 7	Improvement Schedule and Quantitie's for Chip Seal	

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

LIST
OF
CLARIFICATIONS
AND
ASSUMPTIONS

Clarifications and Assumptions - GMP #1

City of Flagstaff Street Maintenance Program – 2015 – Asphalt Overlay

1. Item # 20: Remove, Replace & Adjust water valve box and cover
Due to not knowing the exact depth of all water lines, C and E Paving has estimated the cost for new hardware to be installed. C and E Paving has estimated the cost for new hardware to be \$30,192.00. If the new hardware cost is more than the estimate, the funds for paying for this hardware will need to come out of the GMP; CM@Risk or Owners Contingency.
2. 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.
3. 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.
4. 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.
5. The January 2015 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.
6. It is assumed that during the term of this contract; 2014 MAG and C.O.F. Specifications will govern.
7. The City of Flagstaff will furnish all necessary quality control testing for this project.
8. Asphalt millings generated from west side of project will be dumped at the north end of Pulliam Airport. Millings from east side of project will be dumped at City of Flagstaff Gemini stockpile area.
9. GMP tax was constructed based on 2014 tax structure. If this tax structure is changed, taxes will be adjusted at time of invoicing.



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



PROJECT
MASTER
SCHEDULE

