



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
CITY TRANSPORTATION SCOPE						
DEMOLITION						
10	101	SAWCUT EXISTING PAVEMENT	4,250	LF	\$ 3.00	\$ 12,750.00
20	102	REMOVE EXISTING AC PAVEMENT	17,553	SY	\$ 8.00	\$ 140,424.00
30	103	REMOVE AND DISPOSE OF EXISTING CONCRETE CURB	4,907	LF	\$ 3.00	\$ 14,721.00
40	105	SAWCUT AND REMOVE EXISTING CONCRETE	22,991	SF	\$ 2.00	\$ 45,982.00
50	106	REMOVE AND DISPOSE OF EXT LIGHT POLE SALVAGE MAST ARM	7	EA	\$ 1,500.00	\$ 10,500.00
60	106.1	REMOVE AND DISPOSE OF EXT LIGHT POLE	1	EA	\$ 1,500.00	\$ 1,500.00
70	106.2	REMOVE AND SALVAGE EXISTING LIGHT POLE	2		\$ 1,500.00	\$ 3,000.00
80	106.3	REMOVE EXSITING STREET LIGHT MAST ARM AND LUMINAIRE	2	EA	\$ 3,500.00	\$ 7,000.00
90	110	REMOVE EXISTING WATER SERVICE - SALVAGE WATER METER	1	EA	\$ 350.00	\$ 350.00
100	111	REMOVE AND DISPOSE OF EXISTING WATER METER	1	EA	\$ 300.00	\$ 300.00
110	111.1	REMOVE AND RELOCATE EXISTING WATER METER	2	EA	\$ 900.00	\$ 1,800.00
120	111.2	REMOVE AND RELOCATE EXISTING WATER METER, Bf, IRR BF & METER	1	EA	\$ 750.00	\$ 750.00
130	112	REMOVE EXISTING FIRE HYDRANT ASSEMBLY	3	EA	\$ 750.00	\$ 2,250.00
140	113	REMOVE AND DISPOSE OF EXISTING VB&C	2	EA	\$ 325.00	\$ 650.00
150	115	REMOVE EXISTING WATER LINE	637	LF	\$ 12.00	\$ 7,644.00
160	116	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1	EA	\$ 750.00	\$ 750.00
170	117	REMOVE AND DISPOSE OF EXISTING CATCH BASIN	5	EA	\$ 550.00	\$ 2,750.00
180	118	REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE	667	LF	\$ 16.00	\$ 10,672.00
190	119	REMOVE AND DISPOSE OF EXISTING STORM DRAIN MANHOLE	1	EA	\$ 550.00	\$ 550.00
200	122.1	REMOVE AND DISPOSE OF EXISTING SEWER MANHOLE	5	EA	\$ 550.00	\$ 2,750.00
210	123	REMOVE AND DISPOSE OF EXISTING SEWER MAIN	729	LF	\$ 15.00	\$ 10,935.00
220	123.5	REMOVE AND DISPOSE OF EXISTING SEWER LINE PER M.A.G. SPEC. SEC. 350	1,035	LF	\$ 15.00	\$ 15,525.00
230	123.7	PLUG UPSTREAM INVERT INSIDE OF EXISTING MANHOLE	1	EA	\$ 1,250.00	\$ 1,250.00
240	123.8	PLUG EXISTING TEE PER M.A.G. SPEC. SEC. 350	1	EA	\$ 1,251.00	\$ 1,251.00
250	124.1	ABANDON EXISTING SEWER IN PLACE	0	LF	\$ 2.00	\$ -
260	126	CUT, CAP, AND ABANDON SEWER IN PLACE PER M.A.G. 350	117	LF	\$ 10.00	\$ 1,170.00
270	128	REMOVE ANY REMAINING CONCRETE VAULTS BY EXISTING RUSSIAN OLIVE TREE	1	EA	\$ 1,250.00	\$ 1,250.00
280	133	REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL PER ADOT	1	LS	\$ 13,500.00	\$ 13,500.00
290	134	REMOVE EXISTING RAILING AND RETAINING WALL	114	LF	\$ 10.00	\$ 1,140.00
300	136	REMOVE AND DISPOSE OF EXISTING MONUMENT SIGN	4	EA	\$ 300.00	\$ 1,200.00
310	137	REMOVE AND SALVAGE EXISTING RIPRAP FOR REUSE	712	SF	\$ 2.00	\$ 1,424.00
320	138	REMOVE ANY EXISTING BRICK/FLAGSTONE PATH BEHIND OLD HOME	1	EA	\$ 550.00	\$ 550.00
330	139	OBLITERATE EXISTING STRIPING - HYDRO-JET METHOD	1,769	LF	\$ 3.00	\$ 5,307.00
340	140	OBLITERATE EXISTING PAVEMENT MARKINGS - HYDRO-JET METHOD	9	EA	\$ 450.00	\$ 4,050.00
350	142	PROTECT EXISTING MAILBOX IN PLACE	3	NPI	\$ -	\$ -
360	143	PROTECT EXISTING WATER METER IN PLACE.	3	EA	\$ 100.00	\$ 300.00
370	144	REMOVE AND DISPOSE OF EXISTING CHAINLINK FENCE	795	LF	\$ 2.00	\$ 1,590.00
380	145	MILL 2' WIDE AND 2" DEEP STRIP NEXT TO FULL STRUCTURAL SECTION	1,053	LF	\$ 26.00	\$ 27,378.00
390	148.1	REMOVE AND DISPOSE OF EXISTING FENCE	505	LF	\$ 2.00	\$ 1,010.00
400	150	REMOVE AND DISPOSE OF EXISTING TREE AND ROOTBALL	556	EA	\$ 170.00	\$ 94,520.00
410	153.1	REMOVE AND SALVAGE EXISTING MAILBOX	1	EA	\$ 150.00	\$ 150.00
420	156	REMOVE AND SALVAGE SIGN	25	EA	\$ 75.00	\$ 1,875.00
430	158	REMOVE-MONUMENT SIGN	1	EA	\$ 750.00	\$ 750.00
440	160	COORDINATE WITH MOUNTAIN LINE FOR REMOVAL OF BUS SHELTER	1	EA	\$ 850.00	\$ 850.00
450	163	PROTECT EXISTING LIGHT IN PLACE	1	EA	\$ 150.00	\$ 150.00
DEMOLITION SUBTOTAL :						\$ 454,218.00
ROADWAY WORK						
500	-	ROADWAY EARTHWORK (CUT & FILL)	45,700.0	CY	\$ 21.00	\$ 959,700.00
510	-	EXPORT (INCLUDES HAULING FOR 30 MIN ROUND NO DUMP FEES)	52,200.0	LCY	\$ 9.00	\$ 469,800.00
520	120	INSTALL SURVEY MARKER	18	EA	\$ 1,200.00	\$ 21,600.00
530	200A	CONSTRUCT AC SECTION 6" \ 10"; DT03 - DTL 1	17,201	SY	\$ 78.00	\$ 1,341,678.00
540	200C	CONSTRUCT AC SECTION 4" \ 12"; DT03 - DTL 3	615	SY	\$ 75.00	\$ 46,125.00
550	200D	CONSTRUCT AC SECTION 6" \ 10"; DT03 - DTL 16 (ROUNDABOUT)	2,161	SY	\$ 90.00	\$ 194,490.00
560	203	INSTALL PLATED SCUPPER PER M.A.G. STD. DTL. 203	1	EA	\$ 2,350.00	\$ 2,350.00
570	205	CONSTRUCT CONCRETE PAVEMENT SEC (10") PER DETAIL 4 ON DWG DT03.	657	SF	\$ 16.00	\$ 10,512.00
580	206	INSTALL CONCRETE SCUPPER AND SPILLWAY PER M.A.G. STD. DTL. 206	1	EA	\$ 4,250.00	\$ 4,250.00
590	209	INSTALL SALVAGED TARGET MONUMENT SIGN. COORDINATE WITH TARGET	1	EA	\$ 4,500.00	\$ 4,500.00
600	213	INSTALL 6' CHAIN LINK FENCE PER MAG DETAIL 160	1,548	LF	\$ 18.00	\$ 27,864.00
610	220A	CONSTRUCT VERTICAL CURB AND GUTTER	5,545	LF	\$ 25.00	\$ 138,625.00
620	220D	CONSTRUCT ROLL CURB AND GUTTER	505	LF	\$ 26.00	\$ 13,130.00
630	221	CONSTRUCT CURB TRANSITION	1	EA	\$ 75.00	\$ 75.00
640	222	CONSTRUCT CURB TERMINATION	8	EA	\$ 75.00	\$ 600.00
650	222B	CONSTRUCT SINGLE CURB TYPE 'B' AND DETAIL 'X' ON DWG DT03	4,689	LF	\$ 26.00	\$ 121,914.00
660	223	CONSTRUCT MEDIAN NOSE TRANSITION	13	EA	\$ 750.00	\$ 9,750.00
670	223.2	CONSTRUCT MEDIAN NOSE TRANSITION PER M.A.G. STD. DTL. 223 MODIFIED TO BE 2' TRANSITION.	18	EA	\$ 550.00	\$ 9,900.00
680	224.1	INSTALL CONCRETE SECTION (10" \ 10") PER DETAIL 4 ON DWG DT03.	5,680	SF	\$ 18.00	\$ 102,240.00
690	226	INSTALL STAMPED CONCRETE-PER ADOT C-05.40	1,986	SF	\$ 28.00	\$ 55,608.00
700	227	CONSTRUCT CURB TRANSITION	2	EA	\$ 75.00	\$ 150.00
710	229	INSTALL PAVERS, MATCH EXISTING PAVERS	47	SF	\$ 28.00	\$ 1,316.00
720	230	CONSTRUCT CONCRETE SIDEWALK - 5'	16,146	SF	\$ 9.00	\$ 145,314.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
730	230.1	CONSTRUCT CONCRETE SIDEWALK PER M.A.G. STD. DTL. 230 (MATCH EXISTING WIDTH) AND DETAIL '8' ON DWG DT03, MODIFIED FOR 6" CONCRETE OVER 4" AB	2,704	SF	\$ 10.00	\$ 27,040.00
740	231	CONSTRUCT FUTS - 11' - COLD JOINTS TO INCLUDE PAVING CAP SEAL PER WESTEC BARRIER TECHNOLOGIES PER EXPANSION BOARD CAP SEAL SYSTEM	38,175	SF	\$ 13.00	\$ 496,275.00
750	231.2	CONSTRUCT CONCRETE SIDEWALK PER M.A.G. STD. DTL. 230 (WIDTH PER PLAN 8' TYPICAL) AND DETAIL '8' ON DWG DT03, MODIFIED FOR 6" CONCRETE OVER 4" AB	6,809	LF	\$ 10.00	\$ 68,090.00
760	232	CONSTRUCT STAIRS AND RAILING PER NORRIS DESIGN AND SIRIUS STRUCTURES	139	SF	\$ 65.00	\$ 9,035.00
770	234	CONSTRUCT TURNDOWN PER DETAIL 11 ON SHEET PV15	56	LF	\$ 85.00	\$ 4,760.00
780	235	CONSTRUCT BIKE RAMP PER DTL 12	13	EA	\$ 1,300.00	\$ 16,900.00
790	236	RAIDAL CURB RAMP PER M.A.G. STD. DTL. 236.5.	2	EA	\$ 750.00	\$ 1,500.00
800	238.1	CONSTRUCT CONCRETE PERPENDICULAR SIDEWALK RAMP	4	EA	\$ 1,750.00	\$ 7,000.00
810	239	CONSTRUCT CONCRETE SIDEWALK RAMP PER ADOT	6	EA	\$ 1,850.00	\$ 11,100.00
820	243	PLUG EXISTING CURB OPENING	1	EA	\$ 350.00	\$ 350.00
830	245	CONSTRUCT DEPRESSED CONCRETE PEDESTRIAN ISLAND REFUGE.	255	SF	\$ 15.00	\$ 3,825.00
840	246	CONSTRUCT CONCRETE PEDESTRIAN ISLAND REFUGE	2,024	SF	\$ 15.00	\$ 30,360.00
850	248	INSTALL TRUNCATED DOME PER C.O.F. STD. DTL. 10-10-043.	25	EA	\$ 650.00	\$ 16,250.00
860	250.1	CONSTRUCT DRIVEWAY WITH DETACHED SIDEWALK PER M.A.G. STD. DTL. 250-1	311	SF	\$ 16.00	\$ 4,976.00
870	250.2	CONSTRUCT DRIVEWAY WITH ATTACHED SIDEWALK PER M.A.G. STD. DTL. 250-2	145	SF	\$ 16.00	\$ 2,320.00
880	251	CONSTRUCT RETURN TYPE DRIVEWAY PER C.O.F. STD. DTL. 10-10-041 AND M.A.G. STD. DTL. 251.	4,155	SF	\$ 13.00	\$ 54,015.00
890	251.1	CONSTRUCT RETURN TYPE DRIVEWAY PER C.O.F. STD. DTL. 10-10-041.	1,047	SF	\$ 13.00	\$ 13,611.00
900	252	CONSTRUCT DRIVEWAY WITH SIDEWALK SETBACK PER ADOT	531	SF	\$ 16.00	\$ 8,496.00
910	259	CONSTRUCT ROCK WALL PER DETAIL "18" ON SHEET DT03.	96	LF	\$ 175.00	\$ 16,800.00
920	268	INSTALL D50=6" RIPRAP 12" THICK \ MIRAFI 140N FF	382	SF	\$ 35.00	\$ 13,370.00
930	269	INSTALL D50=6" RIPRAP 12" THICK \ MIRAFI 140N FF, DTL 18 ON SHEET DR01	632	SF	\$ 38.00	\$ 24,016.00
940	329	INSTALL SALVAGED WATER METER, WITH NEW BOX	1	EA	\$ 750.00	\$ 750.00
950	391	ADJUST EXISTING WATER VB&C	2	EA	\$ 750.00	\$ 1,500.00
960	623	INSTALL 30 MPH SIGN	2	EA	\$ 750.00	\$ 1,500.00
970	711	CONSTRUCT AC SECTION 6" AC \ 10" AB; DTL 1.1 ON DT03 (Assumed to be 6" AC; if match existing sections are diferent, CMAR reserves rights to submit for additional costs)	4,602	SY	\$ 95.00	\$ 437,190.00
980	712	CONSTRUCT 2" AC OVERLAY PER ADOT	240	SY	\$ 120.00	\$ 28,800.00
990	725	CONSTRUCT CURB OPENING DETAIL PER DETAIL '17' ON SHEET DT03.	13	EA	\$ 950.00	\$ 12,350.00
1000	733	CONSTRUCT TYPE 1 CATCH BASIN PER ADOT STD. DETAIL C-15.10 ON 3" AB	1	EA	\$ 9,250.00	\$ 9,250.00
1010	736	CONSTRUCT DEPRESSED CONCRETE PEDESTRIAN ISLAND REFUGE PER ADOT	132	SF	\$ 18.00	\$ 2,376.00
1020	745	INSTALL CONCRETE CAP PER M.A.G. STD. DTL. 404.	147	LF	\$ 20.00	\$ 2,940.00
1030	753	CONSTRUCT CONCRETE SIDEWALK PER ADOT	3,959	SF	\$ 16.00	\$ 63,344.00
1040	754	CONSTRUCT CURB AND GUTTER TYPE D PER ADOT	739	LF	\$ 30.00	\$ 22,170.00
1050	755	CONSTRUCT SINGLE CURB PER ADOT	837	LF	\$ 35.00	\$ 29,295.00
1060	756	CONSTRUCT VALLEY GUTTER PER ADOT (950 SF)	118	LF	\$ 175.00	\$ 20,650.00
1070	769	CONSTRUCT MEDIAN NOSE TRANSITION PER M.A.G. STD. DTL. 223	5	EA	\$ 750.00	\$ 3,750.00
1080	770	CONSTRUCT MEDIAN STAMPED CONCRETE PER ADOT STANDARD DRAWING C-05.40	788	SF	\$ 28.00	\$ 22,064.00
1090		STREET LIGHT POLE, ARM, LIGHT FIXTURE, AND FOUNDATION, PULL BOX & CONDUIT	35	EA	\$ 6,850.00	\$ 239,750.00
ROADWAY WORK SUBTOTAL :						\$ 5,409,259.00
STRIPING AND SIGNAGE						
1300	600	INSTALL WHITE BIKE LANE STRIPING PER C.O.F. STD. DETAIL 16-06-010. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT MARKINGS WITHIN	2,611	LF	\$ 2.00	\$ 5,222.00
1310	601	INSTALL WHITE BIKE LANE DASHED STRIPING PER C.O.F. STD. DETAIL 16-06-010 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT MARKINGS	702	LF	\$ 2.00	\$ 1,404.00
1320	602	INSTALL WHITE BIKE LANE PAVEMENT MARKINGS PER C.O.F. STD. DETAIL 16-06-010. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT	41	EA	\$ 10.00	\$ 410.00
1330	602.1	INSTALL WHITE BIKE LANE PAVEMENT MARKINGS PER C.O.F. STD. DETAIL 16-06-010. NO ARROW. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	4	EA	\$ 500.00	\$ 2,000.00
1340	603	INSTALL 8" WHITE INTERSECTION LANE STRIPING PER C.O.F. STD. DETAIL 16-06-010 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT	2,383	LF	\$ 3.00	\$ 7,149.00
1350	607	INSTALL 4" DOUBLE YELLOW CENTERLINE STRIPING PER C.O.F. STD. DETAIL 16-06-010 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT	1,472	LF	\$ 1.00	\$ 1,472.00
1360	610	INSTALL CROSSWALK MARKING PER C.O.F. STD. DETAIL 16-06-010. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT MARKINGS WITHIN	139	LF	\$ 2.00	\$ 278.00
1370	610.1	INSTALL CROSSWALK MARKING PER FIGURE 4-27 OF THE FORT WORTH, TEXAS TRANSPORTATION ENGINEERING MANUAL ON SHEET DT03. 24" WIDE STRIPE WITH 24" SPACING, BICYCLE SYMBOL WITHOUT	194	LF	\$ 2.00	\$ 388.00
1380	610.2	INSTALL CROSSWALK MARKING PER MUTCD SECTION 3B.18. 12" WIDE STRIPE WITH 12" SPACING. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	45	LF	\$ 2.00	\$ 90.00
1390	611	INSTALL 18" WHITE STOP BAR PER C.O.F. STD. DETAIL 16-06-010 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT MARKINGS WITHIN ADOT	131	LF	\$ 2.00	\$ 262.00
1400	616	INSTALL 6" SOLID YELLOW LINE PER MUTCD SECTION 9C.03. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA). PAVEMENT MARKINGS WITHIN ADOT ROW	4,014	LF	\$ 4.00	\$ 16,056.00
1410	617	INSTALL YIELD LINE WITH MINIMUM DIMENSIONS PER MUTCD SECTION 3B.14. SPACE 6 INCHES APART. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	45	LF	\$ 20.00	\$ 900.00
1420	618	INSTALL YIELD LINE WITH MAXIMUM DIMENSIONS PER MUTCD SECTION 3B.16. SPACE 12 INCHES APART. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	49	LF	\$ 20.00	\$ 980.00
1430	619	INSTALL 15 MPH SPEED LIMIT SIGN (R2-1) PER MUTCD	1	EA	\$ 750.00	\$ 750.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
1440	621	INSTALL STOP SIGN (R-1) PER MUTCD	7	EA	\$ 550.00	\$ 3,850.00
1450	623	INSTALL 30 MPH SPEED LIMIT SIGN (R2-1) PER MUTCD	2	EA	\$ 750.00	\$ 1,500.00
1460	626	INSTALL BEGIN RIGHT TURN LANE SIGN (R4-4) PER COF STD DTL 10-10-020 AND MUTCD	1	EA	\$ 750.00	\$ 750.00
1470	627	INSTALL 8" WHITE CHEVRON MARKING WITH 5' LONGITUDINAL SPACING PER MUTCD. 5' LONGITUDINAL SPACING. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE	809	SF	\$ 12.00	\$ 9,708.00
1480	629	INSTALL "ADVANCE INTERSECTION LANE CONTROL" SIGN (R3-8) PER MUTCD	6	EA	\$ 750.00	\$ 4,500.00
1490	630	INSTALL "NARROW KEEP RIGHT" SIGN (R04-07C) WITH OM-3L SIGN PER MUTCD AND COF STD DTL 10-06-011	4	EA	\$ 550.00	\$ 2,200.00
1500	631	INSTALL ROUNDABOUT SIGN (R6-4a) PER MUTCD	4	EA	\$ 550.00	\$ 2,200.00
1510	632	INSTALL 4" WHITE DOTTED LINE PER MUTCD SECTION 3A.06 WITH 2 FT LINE SEGMENTS AND 2- TO 6 FT GAPS. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE	57	LF	\$ 20.00	\$ 1,140.00
1520	634	INSTALL "STREET NAME" SIGN (D3-1) PER MUTCD. UPPER CASE LETTERS TO BE 6" TALL AND LOWER CASE LETTERS 4" TALL	4	EA	\$ 550.00	\$ 2,200.00
1530	637	INSTALL LEFT TURN ONLY SIGN (R3-5L) WITH LANE CONTROL PLAQUE "LEFT LANE" (R3-5B)	2	EA	\$ 550.00	\$ 1,100.00
1540	638	INSTALL RIGHT TURN ONLY SIGN (R3-5R) PER MUTCD	5	EA	\$ 550.00	\$ 2,750.00
1550	640	INSTALL NO U TURN SIGN (R3-4) PER MUTCD	2	EA	\$ 550.00	\$ 1,100.00
1560	641	INSTALL GREEN CONTINUOUS BIKE LANE EPOXY OR PREFORMED THERMOPLASTIC MARKINGS FROM ENNIS FLINT, OR APPROVED EQUAL. BICYCLE LANES THROUGH INTERSECTION SHALL BE INSTALLED AS PER	90	LF	\$ 10.00	\$ 900.00
1570	642	INSTALL GREEN DASHED BIKE LANE EPOXY OR PREFORMED THERMOPLASTIC MARKINGS FROM ENNIS FLINT, OR APPROVED EQUAL. MARKING SHALL BE 2 FT SEGMENTS WITH 6' SPACING. BICYCLE LANES	40	LF	\$ 12.00	\$ 480.00
1580	643	INSTALL EXISTING SALVAGED "NO OVERNIGHT PARKING OR CAMPING" SIGN	1	EA	\$ 550.00	\$ 550.00
1590	644	INSTALL EXISTING SALVAGED "TARGET PARKING ONLY" SIGN	1	EA	\$ 550.00	\$ 550.00
1600	645	INSTALL EXISTING SALVAGED "NO PARKING BIKE LANE" SIGN (R79A)	1	EA	\$ 550.00	\$ 550.00
1610	647	INSTALL BIKE LANE ENDS SIGN (R3-17 & R3-17BP) PER MUTCD	1	EA	\$ 550.00	\$ 550.00
1620	648	INSTALL EXISTING SALVAGED SIGN PER MUTCD	1	EA	\$ 350.00	\$ 350.00
1630	657	INSTALL SPEED HUMP MARKING PER FIGURE 3B-30 "PAVEMENT MARKINGS FOR SPEED TABLES OR SPEED HUMPS WITH CROSSWALKS", OPTION, PER MUTCD. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU	13	EA	\$ 550.00	\$ 7,150.00
1640	658	INSTALL 6" YELLOW SOLID / 6" YELLOW BROKEN STRIPE (10' SEGMENT WITH 30' GAPS), PER ADOT DWG. M-2 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE	690	LF	\$ 3.00	\$ 2,070.00
1650	659	INSTALL 12" WHITE STRIPING (YIELD LINE), 3' SEGMENTS WITH 3' GAPS PER MUTCD SECTION 3A.06 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	217	LF	\$ 3.00	\$ 651.00
1660	661	INSTALL 8" DOTTED WHITE STRIPING (3' GAP AND 1' LINE) PER MUTCD SECTION 3A.06 AND C.O.F. STD. DTL. 16-06-010 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL	125	LF	\$ 3.00	\$ 375.00
1670	663	INSTALL 8' WHITE MERGING ARROW, PREFORMED PAVEMENT MARKING TYPE I PER ADOT DWGS. M-10 AND M-11. HORIZONTAL PLACEMENT AS SHOWN PLANS. PAVEMENT MARKINGS WITHIN CITY ROW OR	3	EA	\$ 750.00	\$ 2,250.00
1680	665	INSTALL 6" NORMAL BROKEN WHITE LINE STRIPING CONSISTING OF 10' SEGMENTS WITH 30' GAPS PER MUTCD SECTION 3A.06 PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL	1,249	LF	\$ 3.00	\$ 3,747.00
1690	666	INSTALL 6" DOTTED WHITE PER MUTCD SECTION 3A.06 AND C.O.F. STD. DTL. 16-06-010	76	LF	\$ 2.00	\$ 152.00
1700	669	INSTALL 6" NORMAL WHITE PER MUTCD SECTION 3A.06 AND C.O.F. STD. DTL. 16-06-010	1,783	LF	\$ 3.00	\$ 5,349.00
1710	671	INSTALL "BIKE LANE ENDS" SIGN (R3-17) AND (R317bP) PER MUTCD	2	EA	\$ 550.00	\$ 1,100.00
1720	672	INSTALL PEDESTRIAN SYMBOL PER THE "SMALL TOWN AND RURAL DESIGN GUIDE" - "PEDESTRIAN LANE" AND PER MANUFACTURER'S RECOMMENDATION. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU	35	EA	\$ 650.00	\$ 22,750.00
1730	677	INSTALL "YIELD" SIGN (R1-2) PER MUTCD. HORIZONTAL PLACEMENT	8	EA	\$ 550.00	\$ 4,400.00
1740	679	INSTALL "ONE WAY" SIGN (R6-1R) PER MUTCD AND 6' OFF THE GROUND	4	EA	\$ 550.00	\$ 2,200.00
1750	680	INSTALL "NO LEFT TURN" SIGN (R3-2) PER MUTCD. HORIZONTAL PLACEMENT	2	EA	\$ 550.00	\$ 1,100.00
1760	685	INSTALL PEDESTRIAN SIGN (W11-15) WITH DIRECTIONAL ARROW (W16-7P) PER MUTCD	12	EA	\$ 550.00	\$ 6,600.00
1770	686	INSTALL "LANE ENDS MERGE LEFT" (W9-2) PER MUTCD. HORIZONTAL PLACEMENT	1	EA	\$ 500.00	\$ 500.00
1780	687	INSTALL "OFF STREET SHARED USE PATH AHEAD" SIGN. HORIZONTAL RECTANGULAR WHITE PLAQUE (36"x30") WITH A BLACK BORDER AND THE WORDS "OFF STREET SHARED USE PATH AHEAD" IN BLACK ON	4	EA	\$ 500.00	\$ 2,000.00
1790	777	INSTALL SALVAGED "ADOT" SIGN (96") REINSTALL PER ADOT STANDARD DETAIL S-3 (6/16)	1	EA	\$ 350.00	\$ 350.00
1800	778	INSTALL SALVAGED "NAU" SIGN (54") REINSTALL PER ADOT STANDARD DETAIL S-3 (5/16)	1	EA	\$ 350.00	\$ 350.00
1810	787	INSTALL 12" SINGLE WHITE LANE STRIPE IN ACCORDANCE WITH ADOT STANDARD 709 (EPOXY).	1,665	LF	\$ 5.00	\$ 8,325.00
1820	788	INSTALL 6" DOUBLE YELLOW STRIPE IN ACCORDANCE WITH ADOT SPECIFICATION 709 (EPOXY).	348	LF	\$ 4.00	\$ 1,392.00
1830	789	INSTALL PAVEMENT MARKING ARROW IN ACCORDANCE WITH ADOT STANDARD DETAILS M-10 & M-11. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE (MMA).	51	EA	\$ 125.00	\$ 6,375.00
1840	790	INSTALL 16" HIGH WHITE ON GREEN FLEXIBLE DELINEATOR (F1GW) PER ADOT DTL M-26.	1	EA	\$ 350.00	\$ 350.00
1850	791	INSTALL PAVEMENT MARKING LEGEND "ONLY" IN ACCORDANCE WITH ADOT STANDARD DETAILS M-6 & M-11. PAVEMENT MARKINGS WITHIN CITY ROW OR NAU PROPERTY SHALL BE METHYL METHACRYLATE	3	EA	\$ 350.00	\$ 1,050.00
1860	792	INSTALL 3" x 4' YELLOW FLEXIBLE DELINEATOR (F1Y) PER ADOT DTL M-26.	3	EA	\$ 350.00	\$ 1,050.00
1870	793	INSTALL 18" WHITE STOP BAR PER ADOT STANDARD DETAIL M2 IN ACCORDANCE WITH ADOT STANDARD SPECIFICATION 709 (EPOXY)	92	LF	\$ 4.00	\$ 368.00
1880	796	INSTALL 6" WHITE STRIPING CONSISTING OF 10' SEGMENTS WITH 30' GAPS PER ADOT DWG. M-4 IN ACCORDANCE WITH ADOT STANDARD SPECIFICATION 709 (EPOXY)	1,503	LF	\$ 4.00	\$ 6,012.00
1890	797	INSTALL HIGH-VISIBILITY CROSSWALK MARKING PER ADOT STANDARD DETAIL M2 IN ACCORDANCE WITH ADOT STANDARD SPECIFICATION 709 (EPOXY).	146	LF	\$ 5.00	\$ 730.00
1900	798	INSTALL 6" WHITE STRIPING (SKIP LINE), 1' SEGMENT WITH 3' GAPS PER ADOT DWG. M-2 IN ACCORDANCE WITH ADOT STANDARD SPECIFICATION 709 (EPOXY)	642	LF	\$ 4.00	\$ 2,568.00
1910	799	INSTALL CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS PER ADOT DWG. M-1.	3	EA	\$ 250.00	\$ 750.00
STRIPING AND SIGNAGE SUBTOTAL :						\$ 166,353.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
MILTON ROAD/UNIVERSITY AVENUE TRAFFIC SIGNAL						
2000	731040	POLE (TYPE R)	4	EA	\$ 16,250.00	\$ 65,000.00
2010	7310010	POLE (TYPE A)	1	EA	\$ 1,400.00	\$ 1,400.00
2020	7310320	POLE FOUNDATION (TYPE R)	4	EA	\$ 6,750.00	\$ 27,000.00
2030	7310200	POLE FOUNDATION (TYPE A)	1	EA	\$ 2,500.00	\$ 2,500.00
2040	7310610	MAST ARM (50 FT.) (TAPERED)	3	EA	\$ 10,925.00	\$ 32,775.00
2050		MAST ARM (55 FT.) (TAPERED)	1	EA	\$ 11,130.00	\$ 11,130.00
2060	7320050	ELECTRICAL CONDUIT (2") (PVC)	9	LF	\$ 150.00	\$ 1,350.00
2070	7320070	ELECTRICAL CONDUIT (3") (PVC)	1,000	LF	\$ 45.00	\$ 45,000.00
2080	7320291	ELECTRICAL CONDUIT (4") (PVC)	8	LF	\$ 50.00	\$ 400.00
2090	7320420	PULL BOX (NO. 7)	3	EA	\$ 1,250.00	\$ 3,750.00
2100	7320421	PULL BOX (NO. 7 W/ EXTENSION)	1	EA	\$ 1,000.00	\$ 1,000.00
2110	7320650	CONDUCTORS	1	EA	\$ 16,500.00	\$ 16,500.00
2120	7330060	TRAFFIC SIGNAL FACE (TYPE F)	10	LS	\$ 850.00	\$ 8,500.00
2130	7330135	TRAFFIC SIGNAL FACE (TYPE G)	10	EA	\$ 1,100.00	\$ 11,000.00
2140	7330210	TRAFFIC SIGNAL FACE (PEDESTRIAN)(MAN/HAND)	4	EA	\$ 550.00	\$ 2,200.00
2150	7330220	PEDESTRIAN PUSH BUTTON	4	EA	\$ 3,000.00	\$ 12,000.00
2160	7330310	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE II)	16	EA	\$ 300.00	\$ 4,800.00
2170	7330340	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE V)	8	EA	\$ 750.00	\$ 6,000.00
2180	7340101	CONTROLLER CABINET (INCLUDES R&R METER/COMBO BBU)	1	EA	\$ 35,700.00	\$ 35,700.00
2190	7340105	CONTROLLER CABINET FOUNDATION	1	EA	\$ 1,850.00	\$ 1,850.00
2200	7340115	LOAD CENTER CABINET	1	EA	\$ 13,500.00	\$ 13,500.00
2210	7340306	LOAD CENTER CABINET FOUNDATION	1	EA	\$ 1,500.00	\$ 1,500.00
2220	7350030	VIDEO DETECTION SYSTEM	1	EA	\$ 50,000.00	\$ 50,000.00
2230		EMERGENCY VEHICLE PREEMPTION	1	LS	\$ 45,000.00	\$ 45,000.00
2240	7360030	LUMINAIRE (HORIZONTAL MOUNT)	4	EA	\$ 2,650.00	\$ 10,600.00
2250		INTERNALLY ILLUMINATED STREET NAME SIGN	4	EA	\$ 2,750.00	\$ 11,000.00
2260		PEDESTRIAN SIGNS	14	EA	\$ 750.00	\$ 10,500.00
2270		TRAFFIC SIGNAL ENGINEERING	1	LS	\$ 10,390.00	\$ 10,390.00
MILTON ROAD/UNIVERSITY AVENUE TRAFFIC SIGNAL SUBTOTAL :						\$ 442,345.00
BEULAH BOULEVARD PEDESTRIAN SIGNAL						
2400	7310130	POLE (TYPE Q) (INCLUDES LUMINAIRE)	2	EA	\$ 12,500.00	\$ 25,000.00
2410	7310010	POLE (TYPE A)	2	EA	\$ 2,250.00	\$ 4,500.00
2420	7310310	POLE FOUNDATION (TYPE Q)	2	EA	\$ 6,500.00	\$ 13,000.00
2430	7310200	POLE FOUNDATION (TYPE A)	2	EA	\$ 5,750.00	\$ 11,500.00
2440	7310563	MAST ARM (25 FT.) (TAPERED)	2	EA	\$ 7,200.00	\$ 14,400.00
2450	7320070	ELECTRICAL CONDUIT (3") (PVC)	135	LF	\$ 45.00	\$ 6,075.00
2460	7320420	PULL BOX (NO. 7)	5	EA	\$ 1,250.00	\$ 6,250.00
2470	7320650	CONDUCTORS	1	EA	\$ 4,500.00	\$ 4,500.00
2480	7330135	TRAFFIC SIGNAL FACE (TYPE D)	12	EA	\$ 500.00	\$ 6,000.00
2490	7330210	TRAFFIC SIGNAL FACE (PEDESTRIAN)(MAN/HAND)	4	EA	\$ 500.00	\$ 2,000.00
2500	7330220	PEDESTRIAN PUSH BUTTON	4	EA	\$ 2,600.00	\$ 10,400.00
2510	7330310	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE II)	4	EA	\$ 365.00	\$ 1,460.00
2520	7330360	TRAFFIC SIGNAL MOUNTING ASSEMBLY (TYPE VII)(MOD)	6	EA	\$ 800.00	\$ 4,800.00
2530	7340101	CONTROLLER CABINET	1	EA	\$ 16,750.00	\$ 16,750.00
2540	7340105	CONTROLLER CABINET FOUNDATION	1	EA	\$ 2,600.00	\$ 2,600.00
2550	7340115	LOAD CENTER CABINET	1	EA	\$ 13,000.00	\$ 13,000.00
2560	7340306	LOAD CENTER CABINET FOUNDATION	1	EA	\$ 1,000.00	\$ 1,000.00
2570		PEDESTRIAN SIGNS	12	EA	\$ 650.00	\$ 7,800.00
2580		WATERBRONE-TYPE II PAVEMENT MARKING (PAINTED) (WHITE)	48	LF	\$ 25.00	\$ 1,200.00
BEULAH BOULEVARD PEDESTRIAN SIGNAL SUBTOTAL :						\$ 152,235.00
LANDSCAPE/IRRIGATION						
		EMC PROVIDED ROCK EX, CONSTRUCTION WATER, SERVICE LINES, SLEEVES	1	LS	\$ 9,800.25	\$ 9,800.25
2700	1800	4" PERFORATED PVC DRAINAGE PIPE SYSTEM	2,522	LF	\$ 29.00	\$ 73,138.00
2710	1810	ROCK EXCAVATION, STOCKPILE AND PLACE TOPSOIL FOR PLANTING MEDIUM IN ROCK CUT AREAS	875	CY	\$ 33.00	\$ 28,875.00
2720	1820	DRYLAND NATIVE SEED (NOT IRRIGATED)	16,613	SF	\$ 0.30	\$ 4,983.90
2730	1821	DRYLAND NATIVE SEED (IRRIGATED)	60,664	SF	\$ 0.25	\$ 15,166.00
2740	1822	WETLAND SEED (NOT IRRIGATED)	7,433	SF	\$ 0.35	\$ 2,601.55
2750	1823	EROSION CONTROL MAT (FOR FILL SLOPE SEEDED AREAS)	10,000	SF	\$ 2.50	\$ 25,000.00
2760	1830	ROCK MULCH BED W/ SHRUBS AND GROUNDVOVER 3" DEPTH W/ WEED BARRIER (INCLUDES SOIL PREP)	17,916	SF	\$ 2.00	\$ 35,832.00
2770	1831	ROCK MULCH BED 3" DEPTH W/ WEED BARRIER (NO SHRUBS)	18,306	SF	\$ 1.75	\$ 32,035.50
2780	1832	MALAPAI BOULDERS (1/2 TON AVERAGE)	150	TN	\$ 279.00	\$ 41,850.00
2790	1841	ROOT BARRIER SYSTEM	1,184	LF	\$ 16.00	\$ 18,944.00
2800	1850	CANOPY TREE (2" CALIPER)	86	EA	\$ 486.00	\$ 41,796.00
2810	1851	EVERGREEN TREE (6' HEIGHT)	12	EA	\$ 325.00	\$ 3,900.00
2820	1852	ORNAMENTAL TREE (2" CALIPER)	26	EA	\$ 430.00	\$ 11,180.00
2830	1853	SHRUBS (5 GAL.)	200	EA	\$ 35.00	\$ 7,000.00
2840	1854	SHRUBS (1 GAL.)	411	EA	\$ 15.00	\$ 6,165.00
2850	1900	1-1/2" TAP	1	EA	\$ 750.00	\$ 750.00
2860	1910	CONTROLLER	1	EA	\$ 4,200.00	\$ 4,200.00
2870	1920	1-1/2" BACKFLOW PREVENTOR	1	EA	\$ 4,890.00	\$ 4,890.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
2880	1921	BACKFLOW PREVENTOR ENCLOSURE	1	EA	\$ 2,400.00	\$ 2,400.00
2890	1922	TYPE K COPPER SERVICE LINE (METER TO BACKFLOW) 1-1/2"	20	LF	\$ 13.00	\$ 260.00
2900	1930	1" MASTER VALVE	1	EA	\$ 1,205.00	\$ 1,205.00
2910	1931	1" FLOW SENSOR	1	EA	\$ 1,125.00	\$ 1,125.00
2920	1932	BRONZE BALL VALVE	15	EA	\$ 300.00	\$ 4,500.00
2930	1933	DRIP ZONE VAVLE W/ BOX	18	EA	\$ 967.00	\$ 17,406.00
2940	1934	SPRAY ZONE VAVLE W/ BOX	11	EA	\$ 825.00	\$ 9,075.00
2950	1935	CONTROL WIRE (14G)	28,024	LF	\$ 0.70	\$ 19,616.80
2960	1935	COMMON WIRE (12G)	7,500	LF	\$ 0.80	\$ 6,000.00
2970	1936	4" SCH 40 PVC SLEEVE	2,000	LF	\$ 15.00	\$ 30,000.00
2980	1937	SCHEDULE 40 PVC MAINLINE INCLUDE TRACER WIRE 1-1/2"	7,125	LF	\$ 8.50	\$ 60,562.50
2990	1938	SCHEDULE 40 PVC LATERAL - 1"	5,213	LF	\$ 5.00	\$ 26,065.00
3000	1939	MULTIPOINT EMITTERS	1,000	EA	\$ 28.30	\$ 28,300.00
3010	1940	TREE BUBBLERS	26	EA	\$ 38.00	\$ 988.00
3020	1941	POP UP SPRAY HEADS W/ JOINT	228	EA	\$ 51.00	\$ 11,628.00
3030	1942	QUICK COUPLER	7	EA	\$ 375.00	\$ 2,625.00
3040	1943	FLUSH END CAPS W/ BOX	29	EA	\$ 53.00	\$ 1,537.00
LANDSCAPE/IRRIGATION SUBTOTAL :						\$ 591,400.50
WATER DISTRIBUTION SYSTEM						
3200	304.1	INSTALL 8" C900 WATERLINE - FULLY RESTRAINED	2,391	LF	\$ 105.00	\$ 251,055.00
3210	304.3	INSTALL 8" C900 WATERLINE	1,172	LF	\$ 90.00	\$ 105,480.00
3220	302	INSTALL NEW WATER SERVICE WITH METER BOX	11	EA	\$ 2,005.00	\$ 22,055.00
3230	304.2	INSTALL 10" C900 WATERLINE PER ADOT SPECS SLURRY BACKFILL - FULLY RESTRAINED	51	LF	\$ 195.00	\$ 9,945.00
3240	305.4	INSTALL 8" C900 WATERLINE PER ADOT SPECS SLURRY BACKFILL - FULLY RESTRAINED	49	LF	\$ 175.00	\$ 8,575.00
3250	305.5	INSTALL 8" C900 WATERLINE PER ADOT SPECS SLURRY BACKFILL	147	LF	\$ 160.00	\$ 23,520.00
3260	310.1	INSTALL 8", 22.5 DEG; JOINT RESTRAINTS	2	EA	\$ 650.00	\$ 1,300.00
3270	310.2	INSTALL 8", 11.25 DEG; JOINT RESTRAINTS	4	EA	\$ 650.00	\$ 2,600.00
3280	310.5	INSTALL 8", 22.5 DEG; JOINT RESTRAINTS	6	EA	\$ 650.00	\$ 3,900.00
3290	311.1	INSTALL 1" AIR RELEASE VALVE	6	EA	\$ 2,950.00	\$ 17,700.00
3300	312	INSTALL 8" GATE VALVE	7	EA	\$ 2,350.00	\$ 16,450.00
3310	312.1	INSTALL 8" GATE VALVE	14	EA	\$ 2,350.00	\$ 32,900.00
3320	312.2	INSTALL 10" GATE VALVE	1	EA	\$ 2,550.00	\$ 2,550.00
3330	312.3	INSTALL 6" GATE VALVE	1	EA	\$ 1,950.00	\$ 1,950.00
3340	313	INSTALL 8", 90 DEG	1	EA	\$ 750.00	\$ 750.00
3350	315	INSTALL 8", 22.5 DEG	1	EA	\$ 750.00	\$ 750.00
3360	323	REINSTALL REDUCED BACKFLOW PREVENTION ASSEMBLY AND HOT BOX.	1	EA	\$ 1,750.00	\$ 1,750.00
3370	324	INSTALL NEW 2" WATER SERVICE LINE PER C.O.F. STD. DTL. 9-03-070 ON DWG DT01	1	EA	\$ 550.00	\$ 550.00
3380	328	INSTALL NEW WATER SERVICE WITH METER BOX	1	EA	\$ 1,880.00	\$ 1,880.00
3390	331	INSTALL 8"x6" REDUCER DIP CLASS 250, WITH JOINT RESTRAINTS	2	EA	\$ 900.00	\$ 1,800.00
3400	333.1	INSTALL 8"x10" TEE DIP CLASS 250, WITH JOINT RESTRAINTS	1	EA	\$ 950.00	\$ 950.00
3410	333.11	INSTALL 8"x6" TEE DIP CLASS 250, WITH JOINT RESTRAINTS	4	EA	\$ 950.00	\$ 3,800.00
3420	333.12	INSTALL 8"x8" TEE DIP CLASS 250, WITH JOINT RESTRAINTS	4	EA	\$ 900.00	\$ 3,600.00
3430	333.2	INSTALL 8"x8" TEE DIP CLASS 250, WITH JOINT RESTRAINTS	5	EA	\$ 950.00	\$ 4,750.00
3440	341.1	CONNECT NEW 8" WATERLINE TO EXT 8"	4	EA	\$ 950.00	\$ 3,800.00
3450	341.11	CONNECT EXISTING WATERLINE TO NEW TEE	5	EA	\$ 750.00	\$ 3,750.00
3460	341.2	CONNECT NEW 8" WATERLINE TO EXT 6"	2	EA	\$ 950.00	\$ 1,900.00
3470	341.3	CONNECT NEW 10" WATERLINE	1	EA	\$ 1,025.00	\$ 1,025.00
3480	360	INSTALL FIRE HYDRANT ASSEMBLY	7	EA	\$ 6,750.00	\$ 47,250.00
3490	360.1	INSTALL FIRE HYDRANT ASSEMBLY SLURRY BACKFILL PER ADOT	1	EA	\$ 6,950.00	\$ 6,950.00
3500	361	INSTALL FIRE HYDRANT ASSEMBLY PER M.A.G STD. DTL. 360-3 EXCLUDE HYDRANT	1	EA	\$ 1,850.00	\$ 1,850.00
3510	363	INSTALL 8"x8" TEE DIP CLASS 250, WITH JOINT RESTRAINTS	1	EA	\$ 750.00	\$ 750.00
3520	365	ADJUST EXISTING WATER VALVE COVER TO FINISH GRADE PER C.O.F. STD. DTL. 9-03-060 ON SHEET DT01.	8	EA	\$ 975.00	\$ 7,800.00
3530	366	CONSTRUCT 8" DIP CLASS 350 RESTRAINED WATER VERTICAL REALIGNMENT	2	EA	\$ 3,500.00	\$ 7,000.00
3540	368.2	CONSTRUCT 10" DIP CLASS 350 RESTRAINED WATER VERTICAL REALIGNMENT	1	EA	\$ 4,350.00	\$ 4,350.00
3550	369	CONSTRUCT 8" DIP CLASS 350 RESTRAINED WATER VA (4 - 45DEG)	4	EA	\$ 3,500.00	\$ 14,000.00
3560	369.1	CONSTRUCT 8" DIP CLASS 350 RESTRAINED WATER VA (2 - 45DEG)	1	EA	\$ 2,750.00	\$ 2,750.00
3570	390	INSTALL END OF LINE TEMPORARY BLOWOFF	3	EA	\$ 2,950.00	\$ 8,850.00
WATER DISTRIBUTION SYSTEM SUBTOTAL :						\$ 632,585.00
SEWER COLLECTION SYSTEM						
3700	401.2	INSTALL 8" SEWER MAIN	238	LF	\$ 85.00	\$ 20,230.00
3710	401.4	INSTALL 8" SEWER MAIN - ADOT SLURRY BACKFILL	948	LF	\$ 160.00	\$ 151,680.00
3720	404	INSTALL EXTRA PROTECTION MAG 404	1	EA	\$ 950.00	\$ 950.00
3730	414	CONNECT OLD SEWER SERVICE TO NEW MANHOLE	1	EA	\$ 1,350.00	\$ 1,350.00
3740	420	INSTALL 48" DIA. SEWER PRE-CAST (WATER-TIGHT) MANHOLE	3	EA	\$ 6,850.00	\$ 20,550.00
3750	420.1	INSTALL 48" DIA. SEWER PRE-CAST (WATER-TIGHT) MANHOLE	3	EA	\$ 7,250.00	\$ 21,750.00
3760	420.2	INSTALL 60" DIA. SEWER PRE-CAST (WATER-TIGHT) MANHOLE	2	EA	\$ 7,500.00	\$ 15,000.00
3770	420.2	INSTALL 60" DIA. SEWER PRE-CAST (WATER-TIGHT) MANHOLE	5	EA	\$ 7,500.00	\$ 37,500.00
3780	422	ADJUST EXT MANHOLE F&C PER M.A.G. 422 AND PER C.O.F. 9-03-062.	10	EA	\$ 1,250.00	\$ 12,500.00
3790	423	CONNECT EXISTING SEWER TO NEW MANHOLE	1	EA	\$ 1,450.00	\$ 1,450.00
3800	427	INSTALL CAP AND BLOCK ON SANITARY SEWER	3	EA	\$ 750.00	\$ 2,250.00
3810	428	INSTALL 8" SEWER MAIN STUB	190	LF	\$ 85.00	\$ 16,150.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
3820	440	INSTALL 6" SERVICE & CONNECTION; "S" TOC MARKING	1	EA	\$ 1,250.00	\$ 1,250.00
SEWER COLLECTION SYSTEM SUBTOTAL :						\$ 302,610.00
STORM DRAINAGE						
4000	271	INSTALL ELEVATED CLEANOUT PER M.A.G. STD. DTL. 440-3.	4	EA	\$ 950.00	\$ 3,800.00
4010	511	INSTALL 12" DIA SMOOTH SRP (14 GA.) PER M.A.G. 510 AND SPEC. SECTION 621	18	LF	\$ 90.00	\$ 1,620.00
4020	501.1	CONSTRUCT U TYPE HEADWALL PER M.A.G. STD. DETAIL. 501.	2	EA	\$ 6,700.00	\$ 13,400.00
4030	511.1	INSTALL 18" DIA SMOOTH SRP (14 GA.)	592	LF	\$ 115.00	\$ 68,080.00
4040	511.2	INSTALL 24" DIA SMOOTH SRP (14 GA.)	829	LF	\$ 128.00	\$ 106,112.00
4050	511.3	INSTALL 30" DIA SMOOTH SRP	838	LF	\$ 235.00	\$ 196,930.00
4060	511.5	INSTALL 48" DIA SMOOTH SRP (14 GA.)	38	LF	\$ 735.00	\$ 27,930.00
4070	512.1	INSTALL 18" DIA RGRCP (CLASS 5)	49	LF	\$ 165.00	\$ 8,085.00
4080	512.2	INSTALL 24" DIA RGRCP (CLASS 5)	562	LF	\$ 195.00	\$ 109,590.00
4090	512.3	INSTALL 30" DIA RGRCP (CLASS 5)	103	LF	\$ 205.00	\$ 21,115.00
4100	520	INSTALL 48" DIA. STORM DRAIN MANHOLE	7	EA	\$ 6,950.00	\$ 48,650.00
4110	521	INSTALL 60" DIA. STORM DRAIN MANHOLE	14	EA	\$ 8,950.00	\$ 125,300.00
4120	523	CONSTRUCT TYPE "C" CATCH BASIN PER M.A.G. STD. DETAIL 532.	1	EA	\$ 8,550.00	\$ 8,550.00
4130	527	INSTALL CAP ON STORM DRAIN, FOR FUTURE USE.	1	EA	\$ 1,250.00	\$ 1,250.00
4140	530	CONSTRUCT TYPE "A" CATCH BASIN PER M.A.G. STD. DETAIL 530	8	EA	\$ 6,950.00	\$ 55,600.00
4150	532.1	INSTALL CONTECH HEL-COR TEE (30"x36"x48").	1	EA	\$ 2,560.00	\$ 2,560.00
4160	533	CONSTRUCT TYPE "D" CATCH BASIN PER M.A.G. STD. DETAIL 533-1., 3' WING	4	EA	\$ 6,950.00	\$ 27,800.00
4170	533.1	CONSTRUCT TYPE "D" CATCH BASIN PER M.A.G. STD. DETAIL 533-1., DUAL 3' WINGS	3	EA	\$ 7,550.00	\$ 22,650.00
4180	533.6	CONSTRUCT TYPE "D" CATCH BASIN PER M.A.G. STD. DETAIL 533-1., DUAL 6' WING	2	EA	\$ 8,750.00	\$ 17,500.00
4190	534	CONSTRUCT TYPE "E" CATCH BASIN PER M.A.G. STD. DETAIL 534	1	EA	\$ 7,950.00	\$ 7,950.00
4200	535	INSTALL 4" PERFORATED HDPE UNDERDRAIN PIPE AND CLEANOUTS PER PLAN PER DETAIL '17' ON SHEET D	206	EA	\$ 55.00	\$ 11,330.00
4210	535.1	INSTALL 4" SOLID HDPE DRAIN PIPE AND CLEANOUTS PER PLAN PER DETAIL '17' ON SHEET DR01.	79	EA	\$ 75.00	\$ 5,925.00
4220	537	CONSTRUCT TYPE "G" CATCH BASIN PER M.A.G. STD. DETAIL 537.	1	EA	\$ 8,750.00	\$ 8,750.00
4230	576	CONNECT 48" STORM DRAIN PIPE TO EXISTING STORM DRAIN.	1	EA	\$ 1,750.00	\$ 1,750.00
4240	743	INSTALL 18" DIA SMOOTH SRP (14 GA.) ADOT - SLURRY BACKFILL	77	LF	\$ 205.00	\$ 15,785.00
4250	744	INSTALL 24" DIA SMOOTH SRP (14 GA.) ADOT - SLURRY BACKFILL	147	LF	\$ 225.00	\$ 33,075.00
STORM DRAINAGE SUBTOTAL :						\$ 951,087.00
DRY UTILITIES						
4500		APS ELECTRIC & SHARED DRY UTIL (1 - 2.5" DB120; TRENCH S)	1,450	LF	\$ 42.00	\$ 60,900.00
4510		SUDDENLINK CABLE (ASSUME (2) 2" PVC SCH 40 PVC - FACILITIES IN APS TRENCH)	6,800	LF	\$ 15.00	\$ 102,000.00
4520		CENTURYLINK COMM (ASSUME (2) 4" SCH 40 PVC - FACILITIES IN APS TRENCH)	6,800	LF	\$ 18.00	\$ 122,400.00
4530		UNISOURCE GAS TRENCHING AND BACKFILL ONLY	2,600	LF	\$ 18.00	\$ 46,800.00
4540	784	INSTALL ADOT NO. 7 PULL BOX	12	EA	\$ 1,250.00	\$ 15,000.00
4550	785	INSTALL (2) 3 INCH DIA. SCHEDULE 80 PVC CONDUIT PER C.O.F. ENGINEERING STANDARDS SECTION 13-16-	890	LF	\$ 45.00	\$ 40,050.00
4560	786	INSTALL (1) 2 INCH DIA. SCHEDULE 80 PVC CONDUIT PER C.O.F. ENGINEERING STANDARDS SECTION 13-16-	40	LF	\$ 40.00	\$ 1,600.00
4570	801	INSTALL COF NO. 9 PULL BOX PER C.O.F. STD. DTL. 16-03-010	8	EA	\$ 7,800.00	\$ 62,400.00
4580	802	INSTALL (2 - 4" SCH 80 WITH SWEEPS) - FIBER OPTIC	3,612	LF	\$ 48.00	\$ 173,376.00
DRY UTILITIES SUBTOTAL :						\$ 624,526.00
CITY TRANSPORTATION SCOPE SUBTOTAL :						\$ 9,726,618.50

WATER SERVICES - SEWER OVERSIZING AND EXTENSION SCOPE PLUS WATER UPSIZE						
WATER COLLECTION UPSIZING						
4700	304.3	UPSIZING PIPE FROM 8" TO 12" WATER WITH C.O.F. TRENCHING AND BACKFILL	1,712	LF	\$ 53.00	\$ 90,736.00
4710	305.5	UPSIZING PIPE FROM 8" TO 12" WATER WITH ADOT TRENCHING AND BACKFILL	147	LF	\$ 115.00	\$ 16,905.00
4720	305.5	UPSIZING PIPE FROM 10" TO 12" WATER WITH ADOT TRENCHING AND BACKFILL	384	LF	\$ 115.00	\$ 44,160.00
4730	310.1	UPSIZING 8" 22.50 DEG. HORIZONTAL BEND TO 12"	2	EA	\$ 750.00	\$ 1,500.00
4740	310.2	UPSIZING 8" 11.25 DEG. HORIZONTAL BEND TO 12"	4	EA	\$ 1,650.00	\$ 6,600.00
4750	310.4	UPSIZING 10" 45 DEG. HORIZONTAL BEND TO 12"	2	EA	\$ 750.00	\$ 1,500.00
4760	312	UPSIZING 8" GATE VALVE TO 12"	7	EA	\$ 1,950.00	\$ 13,650.00
4770	312	UPSIZING 10" GATE VALVE TO 12"	3	EA	\$ 750.00	\$ 2,250.00
4780	313.1	UPSIZING 10" 90 DEG. HORIZONTAL BEND TO 12"	1	EA	\$ 950.00	\$ 950.00
4790	330.1	ADD REDUCER FROM 12" TO 8"; 12" X 8" REDUCERS	1	EA	\$ 750.00	\$ 750.00
4800	333.1	UPSIZING 8" X 10" TEE TO 12" X 10" TEE	1	EA	\$ 1,225.00	\$ 1,225.00
4810	333.1	UPSIZING 10" X 10" TEE TO 12" X 10" TEE	1	EA	\$ 750.00	\$ 750.00
4820	333.2	UPSIZING 8" X 8" TEE TO 12" X 8" TEE	5	EA	\$ 1,650.00	\$ 8,250.00
4830	333.2	UPSIZING 10" X 8" TEE TO 12" X 8" TEE	2	EA	\$ 1,150.00	\$ 2,300.00
4840	363	UPSIZING 8" X 8" TEE TO 12" X 8" TEE & CONNECT EXT 8"	1	EA	\$ 1,850.00	\$ 1,850.00
4850	369	UPSIZING 8" VERTICAL RELIGNMENT TO 12" VERTICAL REALIGNMENT	4	EA	\$ 1,850.00	\$ 7,400.00
4860	369.1	UPSIZING 8" VERTICAL RELIGNMENT TO 12" VERTICAL REALIGNMENT	1	EA	\$ 1,850.00	\$ 1,850.00
4870	369.1	UPSIZING 10" VERTICAL RELIGNMENT TO 12" VERTICAL REALIGNMENT	2	EA	\$ 1,250.00	\$ 2,500.00
WATER COLLECTION UPSIZING SUBTOTAL :						\$ 205,126.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
SEWER COLLECTION UPSIZING						
5000	400.4	12" DIP SEWER MAIN	354	LF	\$ 180.00	\$ 63,720.00
5010	401.4	UPSIZE FROM 8" TO 12" PVC SEWER MAIN.	948	LF	\$ 95.00	\$ 90,060.00
5020	401.4	12" PVC SDR 35 ADOT; SLURRY BACKFILL	293	LF	\$ 118.00	\$ 34,574.00
5030	420.2	UPSIZE 48" MH TO 60" MH	3	EA	\$ 2,750.00	\$ 8,250.00
5040	423	CONNECT EXT SEWER TO NEW MANHOLE	1	EA	\$ 1,450.00	\$ 1,450.00
5050	441	INSTALL SEWER CLEANOUT PER MAG 441	1	EA	\$ 950.00	\$ 950.00
SEWER COLLECTION UPSIZING SUBTOTAL :						\$ 199,004.00
WATER SERVICES - SEWER OVERSIZING AND EXTENSION SCOPE PLUS WATER UPSIZE SUBTOTAL :						\$ 404,130.00

PEDESTRIAN UNDERPASS SCOPE

DEMOLITION						
5200	101	SAWCUT EXISTING PAVEMENT	948	LF	\$ 3.00	\$ 2,844.00
5210	102	REMOVE EXISTING AC PAVEMENT	27,431	SY	\$ 1.00	\$ 27,431.00
5220	103	REMOVE AND DISPOSE OF EXISTING CONCRETE CURB	618	LF	\$ 3.00	\$ 1,854.00
5230	113	REMOVE AND DISPOSE OF EXISTING VB&C	1	EA	\$ 185.00	\$ 185.00
5240	115	REMOVE EXISTING WATER LINE PER COF 13-09-03-007(G) AND MAG 350	210	LF	\$ 25.00	\$ 5,250.00
5250	123	REMOVE AND DISPOSE OF EXISTING SEWER MAIN PER MAG 350	126	LF	\$ 45.00	\$ 5,670.00
5260	123.9	REMOVE EXISTING WATER LINE PER MAG 350	269	LF	\$ 30.00	\$ 8,070.00
5270	150	REMOVE AND DISPOSE OF EXISTING TREE AND ROOTBALL	9	EA	\$ 750.00	\$ 6,750.00
5280	158	REMOVE MONUMENT SIGN (Not Relocating!)	1	EA	\$ 750.00	\$ 750.00
DEMOLITION SUBTOTAL :						\$ 58,804.00

UNDERPASS INSTALL						
5500		EXCAVATION (INCLUDES ROCK)	4,300	CY	\$ 58.00	\$ 249,400.00
5505		EXPORT (INCLUDES HAULING FOR 30 MIN ROUND NO DUMP FEES)	4,945	LCY	\$ 9.00	\$ 44,505.00
5510	200C	CONSTRUCT AC SECTION (4" \ 12") DETAIL 3 ON DT03 (TARGET PL; Assumed to be 4" AC; if match existing sections are diferent, CMAR reserves rights to submit for additional costs)	1,136	SY	\$ 75.00	\$ 85,200.00
5520	222B	CONSTRUCT SINGLE CURB TYPE 'B' AND DETAIL 7 ON DWG DT03	483	LF	\$ 28.00	\$ 13,524.00
5530	255	INSTALL UNDERPASS (STRUC SLABS, TOPPER SLAB; SOIL NAIL; NIGHT WORK COSTS)	1	EA	\$ 348,690.00	\$ 348,690.00
5540	256.1	SOIL NAIL WALL PER PRINTZ ENGINEERING (EAST & WEST RAMP RETAINING WALLS)	1	LS	\$ 750,300.00	\$ 750,300.00
5550	256.2	RETAINING WALLS PER SIRIUS STRUCTURES	1	LS	\$ 361,910.00	\$ 361,910.00
5560	257	CONSTRUCT STAIR (EAST SIDE ONLY)	1	EA	\$ 56,300.00	\$ 56,300.00
5570	258	CONSTRUCT UNDERPASS ADA RAMP	1	EA	\$ 22,000.00	\$ 22,000.00
5580	633	PAINT 4" WHITE PARKING STRIPE	445	LF	\$ 3.00	\$ 1,335.00
5590	711	CONSTRUCT AC SECTION 6" AC \ 10" AB; DTL 1.1 ON DT03 (Assumed to be 6" AC; if match existing sections are diferent, CMAR reserves rights to submit for additional costs)	742	SY	\$ 95.00	\$ 70,490.00
5600	753	CONSTRUCT CONCRETE SIDWALK PER ADOT	1,392	SF	\$ 15.00	\$ 20,880.00
5610	-	PRECAST ARCH UNITS 20X12 UNDERPASS (115 LF)	1	LS	\$ 215,000.00	\$ 215,000.00
5620	-	PRECAST ARCH FOUNDATION (115 LF)	1	LS	\$ 118,000.00	\$ 118,000.00
5630	-	PRECAST HEADWALLS WITH HARDWARE	1	LS	\$ 24,000.00	\$ 24,000.00
5640	-	ADOT BARRIER (MOMENT SLAB ONLY)	2	EA	\$ 13,445.00	\$ 26,890.00
5650	-	ADOT RAILING	44	LF	\$ 650.00	\$ 28,600.00
5660	-	2.5" SCH. 40 PVC CONDUIT 100AMP, 120/240V, 1-PHASE, 3 WIRE ELECTRICAL SERVICE ENTRANCE SECTION, INCLUDING BREAKERS AND LIGHTING CONTROL EQUIPMENT	1	EA	\$ 13,500.00	\$ 13,500.00
5670	-	UNDERPASS CCTV CAMERAS	2	EA	\$ 8,500.00	\$ 17,000.00
5680	-	UNDERPASS CCTV CAMERAS	2	EA	\$ 2,400.00	\$ 4,800.00
5690	-	#5 CONCRETE PULL BOX	2	EA	\$ 2,400.00	\$ 4,800.00
5700	-	UNDERPASS LIGHT FIXTURE	20	EA	\$ 950.00	\$ 19,000.00
5710	-	UNDERPASS ENTRY LIGHT FIXTURE	2	EA	\$ 1,700.00	\$ 3,400.00
5720	-	TUNNEL WIRE & CONDUIT TO SES	1	LS	\$ 12,000.00	\$ 12,000.00
UNDERPASS INSTALL SUBTOTAL :						\$ 2,508,474.00

LANDSCAPE/HARDSCAPE/IRRIGATION						
5800		EMC - ROCK EX, CONSTRUCTION WATER, SERVICE LINE, SLEEVES	1	LS	\$ 7,350.00	\$ 7,350.00
5810	3700	1' WIDE CONCRETE WALL W/ STONE CAP (UNDER 5' HEIGHT) - <i>INCLUDED ABOVE</i>	1,425	SF	\$ -	\$ -
5820	3701	TALL STRUCTURAL CONCRETE WALL PATTERNING ALLOWANCE - <i>INCLUDED ABOVE</i>	1	LS	\$ -	\$ -
5830	3710	STANDARD GRAY CONCRETE FLATWORK (4" CONCRETE OVER 3" ABC) - <i>INCLUDED ABOVE</i>	3,970	SF	\$ -	\$ -
5840	3713	STANDARD GRAY CONCRETE THICKENED EDGE (2' TALL MAX.) - <i>INCLUDED ABOVE</i>	150	LF	\$ -	\$ -
5850	3714	STANDARD GRAY CONCRETE STEPS - <i>INCLUDED ABOVE</i>	280	SF	\$ -	\$ -
5860	3715	STANDARD GRAY CONCRETE SEAT PLATFORM W/ STONE CAP	40	SF	\$ 195.00	\$ 7,800.00
5870	3720	MONUMENT COLUMN	1	EA	\$ 18,940.00	\$ 18,940.00
5880	3730	STAIR AND RAMP RAILING	581	LF	\$ 44.00	\$ 25,564.00
5890	3731	GUARDRAIL	748	LF	\$ 65.00	\$ 48,620.00
5900	3750	INSET WALL LIGHTS	31	EA	\$ 350.00	\$ 10,850.00
5910	3810	STOCKPILE AND PLACE TOPSOIL FOR PLANTING MEDIUM IN ROCK CUT AREAS	15	CY	\$ 85.00	\$ 1,275.00
5920	3830	ROCK MULCH BED W/ SHRUBS AND GROUND/COVER 3" W/ WEED BARRIER	4,514	SF	\$ 4.50	\$ 20,313.00
5930	3832	MALAPAI BOULDERS (1/2 TON AVERAGE)	9	TON	\$ 400.00	\$ 3,600.00
5940	3850	CANOPY TREE (2" CALIPER)	2	EA	\$ 510.00	\$ 1,020.00
5950	3852	ORNAMENTAL TREE (2" CALIPER)	7	EA	\$ 455.00	\$ 3,185.00
5960	3853	SHRUBS (5 GAL.)	68	EA	\$ 40.00	\$ 2,720.00
5970	3854	SHRUBS (1 GAL.)	170		\$ 22.00	\$ 3,740.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
5980	3901	DRIP ZONE VAVLE W/ BOX	2	EA	\$ 1,000.00	\$ 2,000.00
5990	3903	CONTROL WIRE (14G)	276	EA	\$ 1.00	\$ 276.00
6000	3904	4" SCH 40 PVC SLEEVE	500	LF	\$ 15.00	\$ 7,500.00
6010	3905	SCHEDULE 40 PVC MAINLINE 1-1/2"	46	LF	\$ 15.00	\$ 690.00
6020	3906	SCHEDULE 40 PVC LATERAL - 3/4"	2,132	LF	\$ 6.00	\$ 12,792.00
6030	3907	MULTIPOINT EMITTERS	15	EA	\$ 36.00	\$ 540.00
6040	3910	QUICK COUPLER	1	EA	\$ 400.00	\$ 400.00
6050	3911	FLUSH END CAPS W/ BOX	13	EA	\$ 58.00	\$ 754.00
LANDSCAPE/HARDSCAPE/IRRIGATION SUBTOTAL :						\$ 179,929.00
WATER DISTRIBUTION SYSTEM						
6100	305.5	INSTALL 10" WATERLINE ADOT - SLURRY BACKFILL	384	LF	\$ 185.00	\$ 71,040.00
6110	310.4	INSTALL 10", 45 DEG	2	EA	\$ 1,850.00	\$ 3,700.00
6120	312	INSTALL 10" GATE VALVE WITH CLASS 250	3	EA	\$ 2,550.00	\$ 7,650.00
6130	312.1	INSTALL 8" GATE VALVE WITH CLASS 250	2	EA	\$ 2,350.00	\$ 4,700.00
6140	312.2	INSTALL 10" GATE VALVE WITH CLASS 250	1	EA	\$ 2,650.00	\$ 2,650.00
6150	313.1	INSTALL 10", 90 DEG	1	EA	\$ 1,250.00	\$ 1,250.00
6160	333.1	INSTALL 10"x 10" TEE DIP CLASS 250	1	EA	\$ 1,950.00	\$ 1,950.00
6170	333.2	INSTALL 10"x 8" TEE DIP CLASS 250	2	EA	\$ 1,850.00	\$ 3,700.00
6180	341.4	CONNECT TO EXISTING 10" WATERLINE. USE RESTAINED FITTINGS	1	EA	\$ 1,550.00	\$ 1,550.00
6190	341.5	CONNECT TO EXISTING 8" WATERLINE. USE RESTAINED FITTINGS	2	EA	\$ 1,250.00	\$ 2,500.00
6200	369.1	CONSTRUCT 10" DIP CLASS 350 RESTRAINED WATER MAIN VERTICAL REALIGNMENT	2	EA	\$ 6,500.00	\$ 13,000.00
WATER DISTRIBUTION SYSTEM SUBTOTAL :						\$ 113,690.00
SEWER COLLECTION SYSTEM						
6300	401.3	INSTALL 10" SEWER MAIN	330	LF	\$ 115.00	\$ 37,950.00
6310	404	INSTALL EXTRA PROTECTION PER M.A.G. STD. DTL. 404.	1	EA	\$ 950.00	\$ 950.00
6320	420	INSTALL 48" DIA. SEWER PRE-CAST (WATER-TIGHT) MANHOLE	2	EA	\$ 7,250.00	\$ 14,500.00
SEWER COLLECTION SYSTEM SUBTOTAL :						\$ 53,400.00
STORM DRAINAGE						
6400	512.1	INSTALL 18" DIA RGRCP (CLASS 5)	126	LF	\$ 165.00	\$ 20,790.00
6410	537	CONSTRUCT TYPE "G" CATCH BASIN PER M.A.G. STD. DETAIL 537.	3	EA	\$ 6,750.00	\$ 20,250.00
6420	563	INSTALL TRENCH DRAIN K100-KLASSIKDRAIN-LOAD CLASS A	57	LF	\$ 105.00	\$ 5,985.00
6430	575	CONSTRUCT PUMP ASSEMBLY PER DETAIL ON UPO2	1	EA	\$ 64,250.00	\$ 64,250.00
STORM DRAINAGE SUBTOTAL :						\$ 111,275.00
PEDESTRIAN UNDERPASS SCOPE SUBTOTAL :						\$ 3,025,572.00

MOUNTAIN LINE SCOPE						
STREET WORK						
6500	150	REMOVE AND DISPOSE OF EXISTING TREE AND ROOTBALL PER M.A.G. SPEC. SEC. 350	9	EA	\$ 750.00	\$ 6,750.00
6510	200A	CONSTRUCT AC SECTION 6" \ 10"; DT03 - DTL 1	2,702	SY	\$ 78.00	\$ 210,756.00
6520	290	CONSTRUCT CONCRETE TURN DOWN PER DETAIL 11 ON THIS SHEET. INSTALL SALVAGED RAILING FROM EX	92	LF	\$ 15.00	\$ 1,380.00
6530	291	INSTALL 6' - 10" W X 25' - 8" L CONCRETE PAD AND SHELTER STOP LAYOUT PER EXHIBIT H-FIGURE 3, SHOW	176	SF	\$ 18.00	\$ 3,168.00
6540	292	INSTALL SALVAGED BUS SHELTER FROM EXISTING BUS STOP.	1	EA	\$ 3,500.00	\$ 3,500.00
6550	293	INSTALL NO TRESPASSING SIGN, NO PARKING/ROUTE SIGN, PEAK HOURS SIGN, AND NO SMOKING SIGN.	1	EA	\$ 550.00	\$ 550.00
6560	294	INSTALL CONCRETE PAD EXHIBIT H-FIGURE 3	720	SF	\$ 18.00	\$ 12,960.00
6570	668	INSTALL WHITE PREFORMED PAVEMENT MARKING "BUS ONLY" TYPE I PER ADOT DWGS	6	EA	\$ 450.00	\$ 2,700.00
6580	674	INSTALL "BUS LANE AHEAD" SIGN (R3-12f) PER MUTCD.	2	EA	\$ 500.00	\$ 1,000.00
6590	675	INSTALL "BUS LANE ENDS" SIGN (R3-12g) PER MUTCD.	2	EA	\$ 500.00	\$ 1,000.00
STREET WORK SUBTOTAL :						\$ 243,764.00
MOUNTAIN LINE SCOPE SUBTOTAL :						\$ 243,764.00

MISCELLANEOUS						
7000		MOBILIZATION	1.00	LS	\$ 145,000.00	\$ 145,000.00
7010		SURVEY & STAKING	1.00	LS	\$ 225,000.00	\$ 225,000.00
7020		SWPPP INSTALLATION & MAINTENANCE	1.00	LS	\$ 35,000.00	\$ 35,000.00
7030		TRAFFIC CONTROL & MAINTENANCE	1.00	LS	\$ 250,000.00	\$ 250,000.00
7040		AS-BUILTS\RECORD DRAWINGS	1.00	LS	\$ 17,500.00	\$ 17,500.00
7050		PUBLIC RELATIONS	1.00	LS	\$ 95,000.00	\$ 95,000.00
7060		TRENCH ROCK EXCAVATION	1.00	LS	\$ 550,000.00	\$ 550,000.00
7070		UNSUITABLE MATERIAL FOR UTILITY TRENCHES	250	CY	\$ 75.00	\$ 18,750.00
7080		SUBGRADE STABILIZATION	1,000	SY	\$ 35.00	\$ 35,000.00
7090		TEMP AC PATCH	2,000	SY	\$ 85.00	\$ 170,000.00
MISCELLANEOUS SUBTOTAL :						\$ 1,541,250.00
Cost of Work Subtotal:						\$ 14,941,334.50
GENERAL CONDITIONS						
9000	PE	PROJECT EXECUTIVE	6.00	MO	\$ 10,000.00	\$ 60,000.00
9010	PM	PROJECT MANAGER	18.00	MO	\$ 9,750.00	\$ 175,500.00



GUARANTEED MAXIMUM PRICE

Project: Beulah Blvd. Extension & University Ave. Realignment - CMAR
Project #: COF# ST3040
Dwgs: SWI Engineering; stamped 8-25-222
Submitted: 11/9/2022

EMC #	Keynote	DESCRIPTION	QTY	Unit	Unit Cost	Total
9020	GS	GENERAL SUPERINTENDENT	12.00	MO	\$ 8,750.00	\$ 105,000.00
9030	PS	PROJECT SUPERINTENDENT	24.00	MO	\$ 7,750.00	\$ 186,000.00
9040	GF	GENERAL FOREMAN	24.00	MO	\$ 5,500.00	\$ 132,000.00
9050	8TPU	SUPER PICK-UP TRUCK	24.00	MO	\$ 1,250.00	\$ 30,000.00
9060	PA	PROJECT ADMIN	18.00	MO	\$ 2,500.00	\$ 45,000.00
9070	Lab	CLEAN UP, SNOW REMOVAL & MAKE SAFE LABOR	16.00	MO	\$ 3,100.00	\$ 49,600.00
9080	2C1001	CONSTRUCTION WATER	3,500	MGAL	\$ 4.00	\$ 14,000.00
9090	8TWT 4K	4,000 GA WATER TRUCK	2,400	HR	\$ 25.00	\$ 60,000.00
9100	T03	DRIVER - WATER TRUCK	2,400	MH	\$ 28.00	\$ 67,200.00
9110	2CONEX	OFFICE, STORAGE & SITE FACILITIES	24.00	MO	\$ 3,850.00	\$ 92,400.00
9120	9Y0021	TEMP TOILETS (2 EA)	24.00	MO	\$ 850.00	\$ 20,400.00
9130	8BH420	SITE EQUIPMENT	24.00	MO	\$ 5,000.00	\$ 120,000.00
9140	3*LH	PPE SAFETY SUPPLIES	1.00	LS	\$ 2,500.00	\$ 2,500.00
9150	3*LH	PUNCH LIST & DEMOB	1.00	LS	\$ 10,000.00	\$ 10,000.00
GENERAL CONDITIONS SUBTOTAL :						\$ 1,169,600.00

BEULAH & UNIVERSITY CMAR SUMMARY

ITEM	DESCRIPTION	TOTAL
1	COST OF WORK	\$ 14,941,334.50
2	GENERAL CONDITIONS (GC'S) (Percent of Cost of the Work)	7.83% \$ 1,169,600.00
3	SUBTOTAL #1 - Cost of the Work + GC's	\$ 16,110,934.50
4	CONSTRUCTION FEE (Fee) (Percentage of Subtotal #1)	8.00% \$ 1,288,874.76
5	SUBTOTAL #2 - Cost of the Work + GC's + Fee	\$ 17,399,809.26
6	PERFORMANCE & PAYMENT BOND (Percentage of Subtotal #2)	0.80% \$ 139,198.47
7	SUBTOTAL #3 - Cost of the Work + GC's + Fee + Bonds	\$ 17,539,007.73
8	INSURANCE (Percentage of Subtotal #3)	0.80% \$ 141,171.47
9	SUBTOTAL #4 - Cost of the Work + GC's + Fee + Bonds + Insurance	\$ 17,680,179.21
10	SALES TAX (Percentage of GMP)	5.968% \$ 1,055,153.80
11	GUARENTEED MAXIMUM PRICE	\$ 18,735,333.00
12	CMAR CONTINGENCY & PRICE ESCALATION FUNDING	1.84% \$ 275,000.00
13	OWNERS CONTINGENCY (Percentage of Cost of the Work)	2.00% \$ 299,000.00
14	CONTRACT PRICE	\$ 19,309,333