

Request for Quote – DBE Subcontractors and Suppliers

Project: Orange Line BRT TH 494 & Knox Ave Underpass
Metropolitan Council
Project Number 62405, Contract 19P029

Bid Date: Thursday, May 2, 2019
Bid Time: 2:00 pm

DBE Goal: 15%

C.S. McCrossan Construction, Inc. is soliciting quotations from qualified bidders to develop pricing for the above referenced project. Please see the attached sheet for a list of potential work types that are available on this project.

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you can provide us with pricing in any of the areas listed above please return the attached form to our office. Plans are available for free in our online plan room; please contact us for more information.

If you need any assistance in the following areas, please contact our office:

1. Locating plans
2. Bonding, insurance, lines of credit
3. Technical assistance in preparing your quote
4. Breaking down work types into more economically feasible units
5. Locating equipment & supplies to prepare your quote

Thank you,

CSM Estimating Department
estimating@mccrossan.com
763-425-4167 (p) | 763-488-1649 (f)

We have identified the following work types for this project:

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As Built	Field Office / Field Lab
Aggregates	Guardrail
Asphalt Paving	Milling
Borrow	Portable Restrooms
Bridge / Structures	Removals
Clearing & Grubbing	Rip Rap / Geotextiles
Concrete Curb & Gutter / Sidewalk	Sawcutting
Concrete Median Barrier	Seed, Sod & Turf Establishment
Concrete Paving	Signing
Dewatering	Striping
Dumpsters	Sweeping
Electrical	Traffic Control
Erosion Control	Trucking
Excavation / Grading	Trees/Shrubs/Landscaping
Fencing	Underground Pipe / Structures

This list is of the work types we have determined as of this time. Additional work types may be determined as we continue to review the plans and specifications. If you are interested in bidding on this project but do not see your type of work listed, please contact our office to see if additional opportunities may be available.

REQUEST FOR QUOTE

RESPONSE FORM

C.S. McCrossan Construction, Inc. is bidding the following upcoming project. Potential Bidders are requested to check the appropriate box below and let us know of their intentions by email (estimating@mccrossan.com) or fax (763-488-1649).

Project**Interest**

Yes

No

Met Council - Orange Line BRT ☐☐

TH 494 & Knox Ave Underpass

Name of Firm:

Contact Person:

Phone / Fax Number:

Email:

Type of Work:

(Please list work types you are interested in quoting.)

Assistance Needed:

(Please list any assistance we can provide you in preparing your quote.)

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you are interested in providing us a quote please return this form to our office via email (estimating@mccrossan.com) or by fax (763-488-1649).

If you need assistance or any additional information (including access to plans / specifications), please contact our office.

DESIGN FILE: C:\cadd\lib\pwt\borowicz\greatlakes\01342829\31_TSH03.dwg

LOCATED ON	TH-494	FROM	PENN AVE S	TO	TH-35W
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SP 2785-421 (TH-494)

GROSS LENGTH	1692.60	FEET	0.321	MILES
BRIDGES-LENGTH	-	FEET	-	MILES
EXCEPTIONS-LENGTH	-	FEET	-	MILES
NET LENGTH	1692.60	FEET	0.321	MILES
REF. POINT	5+00.509	TO REF. POINT	5+00.825	

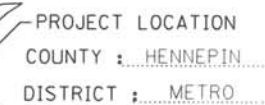
LENGTH AND DESCRIPTION BASED UPON TH-494-EB ALIGNMENT



END
— KNOX AVE. NB
STA. 128+11.18
END S.P. 2785-421
STA. 602+32.18
BEGIN
— KNOX AVE. NB
STA. 114+04.91

EQUATIONS:				
TH-494	EB	STA.	589+35.76	BACK=
TH-494	EB	STA.	589+35.75	AHEAD
TH-494	EB	STA.	589+88.29	BACK=
TH-494	EB	STA.	590+15.34	AHEAD

METRO TRANSIT
SP 2785-421 (TH494=052)
LOCAL FUNDS
METRO DISTRICT



STATE PROJ. NO.	CHARGE IDENTIFIER
2785-421	

ADT (2010) =	163,500
ADT (2020) =	177,000
DHV (Design Hr. Vol.) =	17,000
D (Directional Distr.) =	52/48 %
T (Heavy Commercial) =	5.6 %
Design Speed	70 MPH
Based on Sight Distance	STOPPING
Height of eye / Height of Object	3.5' / 2.0'
Design Speed not achieved at:	-

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

I HEREBY CERTIFY THAT THE FINAL FIELD CHANGES, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

S.A.P. STATE PROJ. NO. 2785-421 (TH 494=052)

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
1	TITLE SHEET
2	GENERAL LAYOUT
3-6	STATEMENT OF ESTIMATED QUANTITIES
7	STANDARD PLATES AND INDEX OF TABULATIONS
8	SOILS AND CONSTRUCTION NOTES
9-11	EARTHWORK SUMMARY AND TABULATION
12-14	TABULATIONS
15-24	TYPICAL SECTIONS
25-26B	MISCELLANEOUS DETAILS
27-76	STANDARD PLANS
77-79	ALIGNMENT TABULATIONS
80-87	ALIGNMENT PLANS
88-90	INPLACE UTILITY TABULATIONS
91-98	INPLACE TOPOGRAPHY AND UTILITY PLANS
99-106	REMOVAL PLANS
107-114	CONSTRUCTION PLANS
115-119	PROFILES
120	INTERSECTION AND PEDESTRIAN RAMP LAYOUT
121-124	INTERSECTION DETAILS
125-127	PEDESTRIAN RAMP DETAILS
128-135	PAVING AND CONCRETE JOINTING PLANS
136-140	SUPERELEVATION PLANS
141-172	RETAINING WALLS
173-182	DRAINAGE DETAILS
183-192	DRAINAGE REMOVAL PLANS AND TABULATIONS
193-199	DRAINAGE PLANS
200-207	DRAINAGE PROFILES AND TABULATIONS
208-216	TURF ESTABLISHMENT PLANS AND TABULATIONS
217-219	STORM WATER POLLUTION PREVENTION PLAN AND WATER RESOURCES NOTES
220-230	SITE AND GRADING PLANS
WM1-WM15	WATER MAIN PLANS
LS1-LS5	LANDSCAPING PLANS
TC1-TC35, TC35A-TC91	TRAFFIC CONTROL AND STAGING PLANS
SD1-SD9A	STAGED DRAINAGE PLANS
EC1-EC9	TEMPORARY EROSION CONTROL PLANS
SZ1-SZ15	TRAFFIC MANAGEMENT SYSTEM PLANS
PM1-PM16	PERMANENT PAVEMENT MARKING PLAN
SL1-SL23	ELECTRICAL PLANS
ST1-ST41	SIGNING PLAN
X1-X29	CROSS SECTION MATCH LINE LAYOUT AND CROSS SECTIONS

THIS PLAN CONTAINS 477 SHEETS

APPROVED	<i>John M. Fox</i>	METRO TRANSIT	1-2	20 19
APPROVED	<i>John M. Fox</i>	CITY ENGINEER, CITY OF BLOOMINGTON	1-2	20 19
APPROVED	<i>John M. Fox</i>	CITY ENGINEER, CITY OF RICHFIELD	1-2	20 19
RECOMMENDED FOR APPROVAL	<i>Timothy R. Dwyer</i>	DISTRICT TRANSPORTATION ENGINEER	2-12	20 19
RECOMMENDED FOR APPROVAL	<i>Timothy R. Dwyer</i>	DISTRICT MATERIALS ENGINEER	1/10	20 19
RECOMMENDED FOR APPROVAL	<i>Beth Hunsell</i>	DISTRICT WATER RESOURCES ENGINEER	2-12	20 19
RECOMMENDED FOR APPROVAL	<i>Kevin M. Hagg</i>	DISTRICT TRAFFIC ENGINEER	1/28	20 19
RECOMMENDED FOR APPROVAL	<i>Tom R. Finner</i>	FOR STATE PRE-LETTING ENGINEER	3/20	20 19
OFFICE OF LAND MANAGEMENT APPROVAL	<i>John M. Fox</i>	FOR DIRECTOR, LAND MANAGEMENT	3/26	20 19
APPROVED	<i>Nancy Dambenburger</i>	STATE DESIGN ENGINEER	3/26	20 19

THIS PLAN AND/OR SPECIFICATION WAS PREPARED SPECIFICALLY FOR THIS PROJECT, AND ANY RE-USE OF DETAILS OR SPECIFICATIONS ON OTHER PROJECTS IS NOT INTENDED OR AUTHORIZED BY THE DESIGNER. LIABILITY FOR ANY RE-USE ON OTHER PROJECTS IS THE RESPONSIBILITY OF THE PERSON, AGENCY, OR CORPORATION USING PLAN OR SPECIFICATION DATA FROM THIS PROJECT.

SHEET NO. 1 OF 230 SHEETS

① THE TWO PROJECTS, ORANGE LINE BRT KNOX AVENUE STATIONS AND THE ORANGE LINE BRT TH-494 AND KNOX AVENUE UNDERPASS, MAY BE UNDER CONSTRUCTION SIMULTANEOUSLY. IT IS THE RESPONSIBILITY OF BOTH CONTRACTORS TO COORDINATE AS NECESSARY.



DESIGNED:	CHECKED:
TPB	GES
DRAWN:	APPROVED:
TPB	JDG



CERTIFIED BY 
LIC. NO. 43555 DATE 01/04/2019
JAMES D. GERSEMA

STATE PROJ.NO.2785-421 (T.H. 494) SHEET NO. 2 OF 230 SHEETS

SCHEDULE I - SCHEDULE OF BID FOR COMPLETE CONSTRUCTION

Orange Line BRT TH-494 and Knox Avenue Underpass, Project Number 62405, for items with Estimated Quantities, each item price Unit Price shown; for items with Lump Sum (LS) units, each item at the Extended Amount Shown.

Item	MnDOT #	Description	Est. Qty.	Unit	Unit Price	Extended Amount
1	2011.601	AS BUILT	1	LS	\$	\$
2	2011.601	VIBRATION MONITORING	1	LS	\$	\$
3	2013.602	CELLULAR EMERGENCY CALL BOX	2	EA	\$	\$
4	2021.501	MOBILIZATION	1	LS	\$	\$
5	2031.502	FIELD OFFICE TYPE B	1	EA	\$	\$
6	2031.502	FIELD LABORATORY TYPE A	1	EA	\$	\$
7	2051.501	MAINT AND RESTORATION OF HAUL ROADS	1	LS	\$	\$
8	2101.524	CLEARING	137	TREE	\$	\$
9	2101.524	GRUBBING	137	TREE	\$	\$
10	2102.503	PAVEMENT MARKING REMOVAL	104,775	LF	\$	\$
11	2104.502	REMOVE BOLLARDS	3	EA	\$	\$
12	2104.502	REMOVE MANHOLE OR CATCH BASIN	43	EA	\$	\$
13	2104.502	REMOVE MANHOLE	3	EA	\$	\$
14	2104.502	REMOVE CASTING	1	EA	\$	\$
15	2104.502	REMOVE DELINEATOR	5	EA	\$	\$
16	2104.502	REMOVE MARKER	2	EA	\$	\$
17	2104.502	REMOVE SIGN TYPE C	25	EA	\$	\$
18	2104.502	REMOVE SIGN TYPE D	5	EA	\$	\$
19	2104.502	REMOVE HANDHOLE	5	EA	\$	\$
20	2104.502	REMOVE LIGHT FOUNDATION	17	EA	\$	\$
21	2104.502	REMOVE ENERGY ABSORBING TERMINAL	2	EA	\$	\$
22	2104.502	SALVAGE BUS STOP SHELTER	1	EA	\$	\$
23	2104.502	SALVAGE LIGHTING UNIT	17	EA	\$	\$
24	2104.502	SALVAGE FLASHER SYSTEM	1	EA	\$	\$
25	2104.502	SALVAGE SIGN TYPE C	18	EA	\$	\$
26	2104.502	SALVAGE SIGN TYPE EO	4	EA	\$	\$
27	2104.502	SALVAGE SIGN PANEL, OH	2	EA	\$	\$
28	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	7,658	LF	\$	\$
29	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	4,740	LF	\$	\$
30	2104.503	REMOVE WATERMAIN	2,322	LF	\$	\$
31	2104.503	REMOVE SEWER PIPE (STORM)	6,379	LF	\$	\$
32	2104.503	REMOVE CURB & GUTTER	12,439	LF	\$	\$
33	2104.503	REMOVE BITUMINOUS CURB	1,979	LF	\$	\$
34	2104.503	REMOVE CHAIN LINK FENCE	2,759	LF	\$	\$
35	2104.503	REMOVE GUARDRAIL - PLATE BEAM	320	LF	\$	\$
36	2104.503	REMOVE CONCRETE BARRIER	1,542	LF	\$	\$
37	2104.503	REMOVE CONCRETE RETAINING WALL	225	LF	\$	\$
38	2104.503	REMOVE UTILITY CONDUIT	4,610	LF	\$	\$
39	2104.503	REMOVE DIRECT BURIED LIGHTING CABLE	750	LF	\$	\$
40	2104.503	SALVAGE WATER MAIN	20	LF	\$	\$
41	2104.503	SALVAGE CABLES AND CONDUCTORS	4,630	LF	\$	\$
42	2104.503	REMOVE ANCHORAGE ASSEMBLY	2	EA	\$	\$
43	2104.504	REMOVE PAVEMENT	4,532	SY	\$	\$
44	2104.504	REMOVE CONCRETE PAVEMENT	1,907	SY	\$	\$
45	2104.504	REMOVE BITUMINOUS PAVEMENT	41,286	SY	\$	\$
46	2104.518	REMOVE CONCRETE SIDEWALK	5,019	SF	\$	\$
47	2105.601	DEWATERING	1	LS	\$	\$
48	2105.604	GEOMEMBRANE SYSTEM	1,570	SY	\$	\$
49	2105.607	EXCAVATION SPECIAL	75	CY	\$	\$
50	2105.607	HAUL AND DISPOSE OF CONTAMINATED MATERIAL	75	CY	\$	\$
51	2106.507	EXCAVATION - COMMON	60,401	CY	\$	\$
52	2106.507	EXCAVATION - SUBGRADE	10,601	CY	\$	\$
53	2106.507	SELECT GRANULAR EMBANKMENT (CV)	19,495	CY	\$	\$
54	2106.507	COMMON EMBANKMENT	9,661	CY	\$	\$

55	2112.519	SUBGRADE PREPERATION	28	EA	\$	\$
56	2130.523	WATER	120	MGAL	\$	\$
57	2211.507	AGGREGATE BASE (CV) CLASS 6	10,058	CY	\$	\$
58	2221.509	SHOULDER BASE AGGREGATE CLASS 2	158	TON	\$	\$
59	2231.604	BITUMINOUS PATCH SPECIAL	403	SY	\$	\$
60	2232.504	MILL BITUMINOUS SURFACE (2")	1,551	SY	\$	\$
61	2301.502	DOWEL BAR	4,335	EA	\$	\$
62	2301.503	INTEGRANT CURB DESIGN B6	2,001	LF	\$	\$
63	2301.503	INTEGRANT CURB DESIGN D4	189	LF	\$	\$
64	2301.504	CONCRETE PAVEMENT 10.0"	5,200	SY	\$	\$
65	2301.504	CONCRETE PAVEMENT 11"	2,100	SY	\$	\$
66	2301.504	CONCRETE PAVEMENT 8"	149	SY	\$	\$
67	2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	9,120	LB	\$	\$
68	2301.602	DRILL AND GROUT REINFORCEMENT BAR (EPOXY COATED)	1,500	EA	\$	\$
69	2301.604	CONCRETE PAVEMENT SPECIAL	3,140	SY	\$	\$
70	2301.607	STRUCTURAL CONCRETE (SPECIAL)	2,811	CY	\$	\$
71	2331.603	JOINT ADHESIVE	2,695	LF	\$	\$
72	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (5,B)	248	TN	\$	\$
73	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (4,F)	3,130	TN	\$	\$
74	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (5,I)	1,512	TN	\$	\$
75	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (5,L)	8,060	TN	\$	\$
76	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	435	TON	\$	\$
77	2401.501	STRUCTURAL CONCRETE (1G52)	548	CY	\$	\$
78	2401.501	STRUCTURAL CONCRETE (3B52)	156	CY	\$	\$
79	2401.508	STEEL FABRIC	5,860	LB	\$	\$
80	2401.541	REINFORCEMENT BARS	50,040	LB	\$	\$
81	2401.541	REINFORCEMENT BARS (EPOXY COATED)	606,130	LB	\$	\$
82	2401.601	STRUCTURE EXCAVATION	1	LS	\$	\$
83	2402.503	ORNAMENTAL METAL RAILING	802	LF	\$	\$
84	2411.507	STRUCTURAL CONCRETE (1G52)	234	CY	\$	\$
85	2411.507	STRUCTURAL CONCRETE (3G52)	501	CY	\$	\$
86	2411.508	REINFORCEMENT BARS	20,055	LB	\$	\$
87	2411.508	REINFORCEMENT BARS (EPOXY COATED)	66,931	LB	\$	\$
88	2411.601	DRAINAGE SYSTEM	1	LS	\$	\$
89	2411.603	SOLDIER PILE WALL POST TYPE 1	414	LF	\$	\$
90	2411.603	SOLDIER PILE WALL POST TYPE 2	654	LF	\$	\$
91	2411.603	SOLDIER PILE WALL POST TYPE 3	734	LF	\$	\$
92	2411.618	ANTI-GRAFFITI COATING	17,444	SF	\$	\$
93	2411.618	ARCHITECTURAL SURFACE FINISH (SINGLE COLOR)	13,153	SF	\$	\$
94	2411.618	ARCHITECTURAL CONCRETE TEXTURE (SPECIAL)	13,153	SF	\$	\$
95	2451.507	STRUCTURAL EXCAVATION CLASS U	4,888	CY	\$	\$
96	2451.507	COURSE AGGREGATE BEDDING (CV)	167	CY	\$	\$
97	2451.507	FINE AGGREGATE BEDDING (CV)	4,982	CY	\$	\$
98	2451.607	STRUCTURAL BACKFILL	15,458	CY	\$	\$
99	2452.519	C-I-P CONC TEST PILE 85 FT LONG 12"	9	EA	\$	\$
100	2452.519	C-I-P CONC TEST PILE 100 FT LONG 12"	8	EA	\$	\$
101	2452.601	EARTH RETENTION SYSTEM (TEMPORARY)	1	LS	\$	\$
102	2452.602	TIEBACK ANCHOR	19	EA	\$	\$
103	2452.603	C-I-P CONCRETE PILING 12"	29,565	LF	\$	\$
104	2481.618	MEMBRANE WATERPROOFING	1	LS	\$	\$
105	2501.502	12" RC SAFETY APRON	1	EA	\$	\$
106	2501.502	24" RC PIPE APRON	1	EA	\$	\$
107	2502.503	4" TP PIPE DRAIN	80	LF	\$	\$
108	2502.503	4" PERF TP PIPE DRAIN	1,501	LF	\$	\$
109	2502.601	DRAINAGE SYSTEM	1	LS	\$	\$
110	2503.502	FLAP GATE FOR 24" RC PIPE	1	EA	\$	\$
111	2503.503	60" CAS PIPE SEWER	393	LF	\$	\$
112	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS V	2,036	LF	\$	\$
113	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS V	2,103	LF	\$	\$

114	2503.503	18" RC PIPE SEWER DESIGN 3006 CLASS V	1,007	LF	\$	\$
115	2503.503	24" RC PIPE SEWER DESIGN 3006 CLASS III	523	LF	\$	\$
116	2503.503	30" RC PIPE SEWER DESIGN 3006 CLASS III	231	LF	\$	\$
117	2503.503	54" RC PIPE SEWER DESIGN 3006 CLASS V	411	LF	\$	\$
118	2503.602	CONNECT TO EXISTING STORM SEWER	18	EA	\$	\$
119	2503.602	STANDARD VALVE MANHOLE	1	EA	\$	\$
120	2503.602	AIR RELIEF MANHOLE	1	ea	\$	\$
121	2503.603	12" CS SLOTTED DRAIN	299	LF	\$	\$
122	2503.603	15" CS SLOTTED DRAIN	459	LF	\$	\$
123	2503.603	10" FORCEMAIN HDPE PIPE SEWER	316	LF	\$	\$
124	2503.603	24" SPLIT STEEL CASING PIPE	250	LF	\$	\$
125	2503.603	54" PIPE SEWER	385	LF	\$	\$
126	2503.603	12" HDPE PIPE SEWER	553	LF	\$	\$
127	2503.603	15" HDPE PIPE SEWER	207	LF	\$	\$
128	2503.603	18" HDPE PIPE SEWER	224	LF	\$	\$
129	2503.603	24" HDPE PIPE SEWER	268	LF	\$	\$
130	2503.611	PUMPING	250	DAY	\$	\$
131	2504.602	CONNECT TO EXISTING WATERMAIN	7	EA	\$	\$
132	2504.602	HYDRANT	1	EA	\$	\$
133	2504.602	RELOCATE HYDRANT AND VALVE	1	EA	\$	\$
134	2504.602	8" CUT & PLUG	1	EA	\$	\$
135	2504.602	12" BUTTERFLY VALVE & BOX	6	EA	\$	\$
136	2504.602	42" BUTTERFLY VALVE & BOX	2	EA	\$	\$
137	2504.602	8" GATE VALVE & BOX	3	EA	\$	\$
138	2504.602	6" GATE VALVE & BOX	1	EA	\$	\$
139	2504.603	6" WATERMAIN DUCTILE IRON CL 52	125	LF	\$	\$
140	2504.603	8" WATERMAIN DUCTILE IRON CL 52	564	LF	\$	\$
141	2504.603	12" WATERMAIN DUCTILE IRON CL 52	765	LF	\$	\$
142	2504.603	42" WATERMAIN DUCTILE IRON CL 52	860	LF	\$	\$
143	2504.603	60" STEEL CASING PIPE (JACKED)	384	LF	\$	\$
144	2504.608	DUCTILE IRON FITTINGS	37,776	LBS	\$	\$
145	2506.502	CASTING ASSEMBLY	88	EA	\$	\$
146	2506.502	ADJUST FRAME AND RING CASTING	36	EA	\$	\$
147	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	6	LF	\$	\$
148	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-48	183	LF	\$	\$
149	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	87	LF	\$	\$
150	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	76	LF	\$	\$
151	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 84-4020	56	LF	\$	\$
152	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 96-4020	22	LF	\$	\$
153	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 120-4020	24	LF	\$	\$
154	2506.601	CONSTRUCT LIFT STATION	1	LS	\$	\$
155	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	1	EA	\$	\$
156	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	1	EA	\$	\$
157	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 3	4	EA	\$	\$
158	2506.602	CASTING ASSEMBLY SPECIAL	25	EA	\$	\$
159	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 4	1	EA	\$	\$
160	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 5	1	EA	\$	\$
161	2506.602	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL6	2	EA	\$	\$
162	2511.504	GEOTEXTILE FILTER TYPE 3	47	SY	\$	\$
163	2511.507	RANDOM RIPRAP CLASS II	9	CY	\$	\$
164	2521.518	4" CONCRETE WALK	22,667	SF	\$	\$
165	2521.518	6" CONCRETE WALK	2,147	SF	\$	\$
166	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	2,963	LF	\$	\$
167	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	700	LF	\$	\$
168	2531.503	CONCRETE CURB AND GUTTER DESIGN D418	52	LF	\$	\$
169	2531.503	CONCRETE CURB AND GUTTER DESIGN D424	3,198	LF	\$	\$
170	2531.503	CONCRETE CURB DESIGN V10	179	LF	\$	\$
171	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	680	SY	\$	\$
172	2531.504	8" CONCRETE DRIVEWAY PAVEMENT	450	SY	\$	\$

173	2531.618	TRUNCATED DOMES	136	SF	\$	\$
174	2531.503	CONCRETE CURB AND GUTTER DESIGN B612	3,321	LF	\$	\$
175	2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	13,112	LF	\$	\$
176	2533.503	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337- ANCHORED	2,215	LF	\$	\$
177	2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 54A	1,512	LF	\$	\$
178	2533.503	CONC MED BAR DES SGL SLOPE TYPE 54 TRANS	30	LF	\$	\$
179	2533.603	CONCRETE MEDIAN BARRIER (MOVEABLE)	6,630	LF	\$	\$
180	2535.503	BITUMINOUS CURB	1,979	LF	\$	\$
181	2545.501	LIGHTNG SYSTEM	1	LS	\$	\$
182	2545.501	CONDUIT SYSTEM TYPE 1	1	LS	\$	\$
183	2545.501	CONDUIT SYSTEM TYPE 2	1	LS	\$	\$
184	2545.501	CONDUIT SYSTEM TYPE 3	1	LS	\$	\$
185	2545.501	CONDUIT SYSTEM TYPE 4	1	LS	\$	\$
186	2545.502	LIGHT FOUNDATION DESIGN E	26	EA	\$	\$
187	2545.502	HANDHOLE	5	EA	\$	\$
188	2545.502	LIGHTING UNIT TYPE SPECIAL	10	EA	\$	\$
189	2545.502	UNDERPASS LUMINAIRES TYPE LED	144	EA	\$	\$
190	2545.502	LIGHT FOUNDATION DESIGN SPECIAL	1	EA	\$	\$
191	2545.503	1.5" RIGID STEEL CONDUIT	25	LF	\$	\$
192	2545.503	0.75" NON-METALLIC CONDUIT	30	LF	\$	\$
193	2545.503	1" NON-METALLIC CONDUIT	2,500	LF	\$	\$
194	2545.503	UNDERGROUND WIRE 1/C 3 AWG	150	LF	\$	\$
195	2545.503	UNDERGROUND WIRE 1/C 4 AWG	4,680	LF	\$	\$
196	2545.503	UNDERGROUND WIRE 1/C 6 AWG	3,200	LF	\$	\$
197	2545.503	UNDERGROUND WIRE 1/C 8 AWG	6,400	LF	\$	\$
198	2545.503	UNDERGROUND WIRE 1 COND 12 AWG	100	LF	\$	\$
199	2545.602	INSTALL LIGHTING UNIT	17	EA	\$	\$
200	2550.502	ELECTRIC SERVICE FOUNDATION	1	EA	\$	\$
201	2550.502	JUNCTION BOX	4	EA	\$	\$
202	2550.502	SERVICE CABINET	1	EA	\$	\$
203	2550.502	CONTROL CABINET FOUNDATION	2	EA	\$	\$
204	2550.503	CAT 6 CABLE	750	LF	\$	\$
205	2550.503	FIBEROPTIC TRUNK CABLE 12MM-12SM	470	LF	\$	\$
206	2550.503	1.5" NON-METALLIC CONDUIT	2,660	LF	\$	\$
207	2550.503	2" NON-METALLIC CONDUIT	4,400	LF	\$	\$
208	2550.601	TEMPORARY COMMUNICATION SYSTEM	1	LS	\$	\$
209	2550.601	ELECTRICAL SERVICE	1	LS	\$	\$
210	2550.601	VIDEO CAMERA	1	EA	\$	\$
211	2550.602	PULL VAULT	5	EA	\$	\$
212	2550.602	CONTROL CABINET	2	EA	\$	\$
213	2550.603	INSTALL CABLE	3,370	LF	\$	\$
214	2550.603	3" BORED CONDUIT	350	LF	\$	\$
215	2554.502	GUIDE POST TYPE B	2	EA	\$	\$
216	2554.502	END TREATMENT TANGENT TERMINAL	2	EA	\$	\$
217	2554.502	ANCHORAGE ASSEMBLY - TYPE 31	2	EA	\$	\$
218	2554.503	TRAFFIC BARRIER DESIGN TYPE 31	338	LF	\$	\$
219	2554.503	PERMANENT BARRICADES	24	LF	\$	\$
220	2554.615	IMPACT ATTENUATOR NO 1	17	ASMB	\$	\$
221	2554.615	IMPACT ATTENUATOR	1	EA	\$	\$
222	2557.502	VEHICULAR GATE - SPECIAL	1	EA	\$	\$
223	2557.502	METAL BRACE ASSEMBLY - CHAIN LINK FENCE	9	EA	\$	\$
224	2557.502	ELECTRICAL GROUND	7	EA	\$	\$
225	2557.503	WIRE FENCE DESIGN 48-9322	3,031	LF	\$	\$
226	2563.601	TRAFFIC CONTROL SUPERVISOR	1	LS	\$	\$
227	2563.601	INTELLIGENT WORK ZONE SYSTEM	1	LS	\$	\$
228	2563.601	TRAFFIC CONTROL	1	LS	\$	\$
229	2563.602	RAISED PAVEMENT MARKER TEMPORARY	986	EA	\$	\$
230	2563.602	PORTABLE CONCRETE BARRIER DELINEATOR	838	EA	\$	\$
231	2564.502	INSTALL SIGN PANEL TYPE OH	2	EA	\$	\$

232	2564.502	INSTALL SIGN TYPE C	18	EA	\$	\$
233	2564.502	INSTALL SIGN TYPE EO	4	EA	\$	\$
234	2564.502	DELINEATOR	8	EA	\$	\$
235	2564.502	OBJECT MARKER TYPE X4-4	2	EA	\$	\$
236	2564.502	OBJECT MARKER TYPE X4-11	1	EA	\$	\$
237	2564.507	CONCRETE FOOTINGS (TYPE OH SHAFT)	28	CY	\$	\$
238	2564.508	STRUCTURAL STEEL POSTS FOR OH SIGNS (DESIGN B)	2,640	LB	\$	\$
239	2564.518	SIGN PANELS TYPE C	183	SF	\$	\$
240	2564.518	SIGN PANELS TYPE D	141	SF	\$	\$
241	2565.602	INSTALL FLASHER SYSTEM	1	EA	\$	\$
242	2565.616	CONFLICT WARNING SYSTEM	2	EA	\$	\$
243	2571.524	CONIFEROUS TREES 8' HT B&B	40	TREE	\$	\$
244	2571.524	DECIDUOUS TREE 2" CAL B&B	77	TREE	\$	\$
245	2571.524	ORNAMENTAL TREE 1.5" CAL B&B	4	TREE	\$	\$
246	2571.604	GEOTEXTILE WEED BARRIER FABRIC	171	SY	\$	\$
247	2573.501	STABILIZED CONSTRUCTION EXIT	1	LS	\$	\$
248	2573.501	EROSION CONTROL SUPERVISOR	1	LS	\$	\$
249	2573.502	STORM DRAIN INLET PROTECTION	161	EA	\$	\$
250	2573.502	CULVERT END CONTROLS	1	EA	\$	\$
251	2573.503	SILT FENCE, TYPE MS	1,413	LF	\$	\$
252	2573.503	SEDIMENT CONTROL LOGS, TYPE STRAW	9,321	LF	\$	\$
253	2574.505	SOIL BED PREPARATION	6	ACRE	\$	\$
254	2574.508	FILTER TOPSOIL BORROW	100	CY	\$	\$
255	2574.508	FERTILIZER TYPE 1	1,677	LB	\$	\$
256	2574.508	FERTILIZER TYPE 3	1,562	LB	\$	\$
257	2574.508	FERTILIZER TYPE 4	40	LB	\$	\$
258	2575.504	EROSION CONTROL BLANKETS CATEGORY 3N	68,426	SY	\$	\$
259	2575.504	RAPID STABILIZATION METHOD 4	2,475	SY	\$	\$
260	2575.505	SEEDING	14	ACRE	\$	\$
261	2575.507	MULCH MATERIAL TYPE 9	100	CY	\$	\$
262	2575.508	SEED MIXTURE 25-131	702	LB	\$	\$
263	2575.508	SEED MIXTURE 22-111	256	LB	\$	\$
264	2575.508	SEED MIXTURE 33-261	12	LB	\$	\$
265	2575.508	SEED MIXTURE 35-221	81	LB	\$	\$
266	2575.607	LANDSCAPE ROCK	28	CY	\$	\$
267	2582.503	4" SOLID LINE PAINT	44,743	LF	\$	\$
268	2582.503	4" BROKEN LINE PAINT	5,032	LF	\$	\$
269	2582.503	4" DOTTED LINE PAINT	1,575	LF	\$	\$
270	2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN	26	LF	\$	\$
271	2582.503	4" SOLID LINE MULTI-COMPONENT	16,805	LF	\$	\$
272	2582.503	8" SOLID LINE MULTI-COMPONENT	743	LF	\$	\$
273	2582.503	4" DOTTED LINE MULTI-COMPONENT	121	LF	\$	\$
274	2582.503	4" BROKEN LINE MULTI-COMPONENT GROUND IN (WR)	2,630	LF	\$	\$
275	2582.503	4" DOUBLE SOLID LINE MULTI-COMPONENT GROUND IN	2,097	LF	\$	\$
276	2582.503	4" SOLID LINE MULTI-COMPONENT GROUND IN (WR)	11,723	LF	\$	\$
277	2582.503	4" SOLID LINE PREFORM TAPE	35,157	LF	\$	\$
278	2582.503	8" SOLID LINE PREFORM TAPE	4,321	LF	\$	\$
279	2582.503	4" BROKEN LINE PREFORM TAPE	660	LF	\$	\$
280	2582.503	4" DOTTED LINE PREFORM TAPE	277	LF	\$	\$
281	2582.503	8" SOLID LINE PREFORM TAPE GROUND IN	1,075	LF	\$	\$
282	2582.503	8" DOTTED LINE PREFORM TAPE GROUND IN	527	LF	\$	\$
283	2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC	54	SF	\$	\$
284	2582.518	PAVEMENT MESSAGE PREFORM THERMOPLASTIC GROUND IN	232	SF	\$	\$

Total of Item Numbers 1 through 284, the: **TOTAL BID \$**

NOTE:

1. In the event of a discrepancy between the Extended Amount shown and the correct multiplication of Estimated Quantity and Unit Price, the correct multiplication shall govern.
2. In the event of a discrepancy between the TOTAL BID figures shown and the correct addition of the several items, the correct addition shall govern and shall be considered as the TOTAL BID.