



Addendum No. 2

HAM/WAR CR 4/CR 1 - 2.93 (PID 114606) Fields-Ertel Road Widening Project (Part 1) and Wilkins Blvd. / Bardes Road Roundabout Project (Part 2)

September 6, 2024

Listed below is Addendum No. 2 for the referenced project. Please note the following clarifications/modifications to be included in your proposal price.

ADDENDUM NO. 2

- 1. Clarification/Modification:** (Bid Proposal – Part 1)
The Bid Proposal for Fields-Ertel Road Widening reference numbers 134 and 148 have been removed and will be left blank. Reference numbers 3, 23, 25, 76, 85, 86, 87, 88, 90, 92, 95, 117, 118, 122, 123, 155 and 335 quantities have been updated. Reference numbers 137, 138, 139 and 140 the description has been updated. Reference number 336 has been added – 12” Conduit, Type D. Please discard the previous Fields-Ertel Road Bid Proposal and use the attached.
- 2. Clarification/Modification:** (Bid Proposal – Part 2)
The Bid Proposal for Wilkins Blvd. / Bardes Road Roundabout reference number 78 has been removed and will remain blank. Reference numbers 38 and 122 quantities have been updated. Reference number 77 has been updated to be “Fire Hydrant Removed for Storage”. Please discard the previous Wilkins Blvd. / Bardes Road Roundabout Bid Proposal and use the attached.
- 3. Clarification/Modification:** (Plans – Part 1)
There is a note on Page 12 that states the Cold Joint Adhesive should be included in the cost of the specific item - this is incorrect. Please use the note one page 13 which references to be included in bid reference item #119.
- 4. Clarification/Modification:** (Technical Specification - Lighting)
The Contractor shall give the Warren County Engineer’s Office (Dominic.Brigano@co.warren.oh.us) a minimum of 30 days notice prior to the lighting needed to be installed so we can inform Duke to install the required lighting along Fields-Ertel Road and/or the Wilkins Blvd / Bardes Road Roundabout.
- 5. Clarification/Modification:** (Bid Proposal – Part 1)
Full Depth Pavement Sawing for the roadway and/or driveways shall be incidental to the cost to remove the pavement and/or driveway.
- 6. Clarification/Modification:** (Bid Proposal – Part 2)
On Wilkins Blvd / Bardes Road Roundabout, page 6 shows Detail “A” Traffic Island. The #57 stone shall be incidental to the cost of the Traffic Island which is reference #68.
- 7. Clarification/Modification:** (Plans – Part 1)

Please refer to Page 55 and Page 59 of the Part 1 plan set. Note #3 on these pages are now removed. The west leg and the north leg may be completed at the same time. The detours for each section may be combined.

8. **Clarification/Modification:** (Plans – Part 1)

The backfill material requirements for the storm sewer trench backfill will utilize CDF anywhere within the pavement area and under sidewalks. If the conduit is 3 foot outside the sidewalk area, please use the required material around the conduit and then native backfill up to grade.

9. **Clarification/Modification:** (Plans – Part 1)

The signal controller for both signals will utilize Cobalts. The signal software for both signals will utilize EOS.

HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 1
 BID PROPOSAL

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
ROADWAY							
1	201	11000	Clearing and Grubbing	1	Lump		
2	202	20010	Headwall Removed	7	Each		
3	202	23000	Pavement Removed	25,025	SY		
4	202	30000	Walk Removed	1,483	SF		
5	202	30800	Traffic Island Removed	24	SY		
6	202	32000	Curb Removed	1,469	FT		
7	202	32500	Curb and Gutter Removed	1,668	FT		
8	202	35100	Pipe Removed, 24" and Under	2,945	FT		
9	202	35200	Pipe Removed, Over 24"	527	FT		
10	202	38000	Guardrail Removed	616	FT		
11	202	58000	Manhole Removed	15	Each		
12	202	58100	Catch Basin Removed	30	Each		
13	202	70110	Special - Pipe Cleanout, 24" and Under	350	FT		
14	202	70130	Special - Pipe Cleanout, over 48"	560	FT		
15	202	75000	Fence Removed	1,033	FT		
16	202	75600	Meter Vault Removed	1	Each		
17	202	75610	Valve Box Removed	12	Each		
18	202	98100	Removal Misc.: Private Sign	2	Each		
19	202	98100	Removal Misc.: Bollard	61	Each		
20	202	98200	Removal Misc.: Retaining Wall	50	FT		
21	202	98200	Removal Misc.: Stone Wall	83	FT		
22	202	98400	Removal misc.: Concrete Pad	96	SF		
23	203	10000	Excavation	34,282	CY		
24	203	10001	Excavation, As Per Plan	392	CY		
25	203	20000	Embankment	16,771	CY		
26	203	20001	Embankment, As Per Plan	1,183	CY		
27	204	45000	Proof Rolling	19	Hour		
28	206	10500	Cement	958	Ton		
29	206	11000	Curing Coat	36,934	SY		
30	206	15010	Cement Stabilized Subgrade, 12 Inches Deep	36,934	SY		
31	206	30001	Mixture Design For Chemically Stabilized Soils, As Per Plan	1	Lump		
32	606	15050	Guardrail, Type MGS	1,225	FT		
33	606	26150	Anchor Assembly, MGS Type E	3	Each		
34	606	26550	Anchor Assembly, MGS Type T	3	Each		
35	607	98000	Fence, Misc.: Pedestrian Fencing (Warren County)	978	FT		
36	607	98000	Fence, Misc.: Pedestrian Fencing Mounted to Retaining Wall	1,044	FT		
37	607	10000	4" Concrete Walk	38,346	SF		
38	608	52000	Curb Ramp	2,402	SF		
39	622	41100	Portable Barrier, Unanchored	8,060	FT		
40	622	41111	Portable Barrier, Anchored, As Per Plan	700	FT		
41	690	50350	Special - Mailbox Removed and Reset	28	Each		
42	690	50600	Special - Bollard	6	Each		
43	863	00300	Geogrid, Type P3	930	SY		
44	863	00600	Geogrid, Type S1	259	SY		
45	863	00800	Reinforced Embankment	495	CY		
46	878	25000	Inspection and Compaction Testing of Unbound Materials	1	Lump		
47	Special		Undercutting Subgrade	2,000	CY		
48	Special		Granular Repair of Subgrade	2,000	CY		
						Sub-Total =	

HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 1
 BID PROPOSAL

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
EROSION CONTROL							
49	601	10000	Riprap	9	SY		
50	601	11001	Riprap, Type D. As Per Plan	20	SY		
51	601	12000	Riprap, With Grout	7	SY		
52	601	32104	Rock Channel Protection, Type B With Geotextile Fabric	15	CY		
53	601	32100	Rock Channel Protection, Type B With Filter	13	CY		
54	601	32110	Rock Channel Protection, Type B With Aggregate Filter	191	CY		
55	601	32204	Rock Channel Protection, Type C With Geotextile Fabric	22	CY		
56	601	37500	Paved Gutter, Type 1-2	148	FT		
57	601	45050	Bioretention Cell	417	CY		
58	659	00100	Soil Analysis Test	9	Each		
59	659	00300	Topsoil	2,931	CY		
60	659	540	Seeding and Mulching, Class 3C	2,379	SY		
61	659	10000	Seeding and Mulching	50,985	SY		
62	659	14000	Repair Seeding and Mulching	1,322	SY		
63	659	15000	Inter-Seeding	1,322	SY		
64	659	20000	Commercial Fertilizer	3.7	Ton		
65	659	31000	Lime	13	Acre		
66	659	35000	Water	80	MGal		
67	659	40000	Mowing	64	MSF		
68	660	30000	Sodding Unstaked	50	SY		
69	670	00500	Slope Erosion Protection	343	SY		
70	670	00710	Ditch Erosion Protection Mat, Type A	49	SY		
71	670	00750	Ditch Erosion Protection Mat, Type E	107	SY		
72	671	15000	Erosion Control Mat, Type A	309	SY		
73	832	15000	Storm Water Pollution Prevention Plan	1	Lump		
74	832	15002	Storm Water Pollution Prevention Inspections	1	Lump		
75	832	15010	Storm Water Pollution Prevention Inspection Software	1	Lump		
76	832	30000	Erosion Control	235,000	Each	\$ 1.00	\$ 235,000.00
						Sub-Total =	

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 FIELDS-ERTEL ROAD WIDENING - PART 1
 BID PROPOSAL

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
			DRAINAGE				
77	602	20000	Concrete Masonry	3.76	CY		
78	605	05201	4" Unclassified Pipe Underdrains, As Per Plan	166	FT		
79	605	06000	4" Base Pipe Underdrains	12,088	FT		
80	611	01100	6" Conduit, Type C	15	FT		
81	611		6" Conduit, Type F	1,000	FT		
82	611	00400	4" Conduit, Type E	140	FT		
83	611	00406	4" Conduit, Type F	24	FT		
84	611	00410	4" Conduit, Type F For Underdrain Outlet	47	FT		
85	611	04400	12" Conduit, Type B	2,683	FT		
86	611	04600	12" Conduit, Type C	1,293	FT		
336	611	4900	12" Conduit, Type D	34	FT		
87	611	05900	15" Conduit, Type B	699	FT		
88	611	06100	15" Conduit, Type C	662	FT		
89	611	06400	15" Conduit, Type D	36	FT		
90	611	07400	18" Conduit, Type B	250	FT		
91	611	07600	18" Conduit, Type C	150	FT		
92	611	08900	21" Conduit, Type B	66	FT		
93	611	09100	21" Conduit, Type C	243	FT		
94	611	10400	24" Conduit, Type B	10	FT		
95	611	10600	24" Conduit, Type C	192	FT		
96	611	23800	60" Conduit, Type B	105	FT		
97	611	24000	60" Conduit, Type C	305	FT		
98	611	25000	66" Conduit, Type A	12	FT		
99	611	26000	72" Conduit, Type A	135	FT		
100	611	98150	Catch Basin, No. 3	16	Each		
101	611	98180	Catch Basin, No. 3A	33	Each		
102	611	98370	Catch Basin, No. 6	8	Each		
103	611	98390	Catch Basin, No. 7	1	Each		
104	611	98450	Catch Basin, No. 2-2A	1	Each		
105	611	98470	Catch Basin, No. 2-2B	18	Each		
106	611	98510	Catch Basin, No. 2-3	6	Each		
107	611	98540	Catch Basin, No. 2-4	1	Each		
108	611	98630	Catch Basin Adjusted to Grade	7	Each		
109	611	99574	Manhole, No. 3	18	Each		
110	611	99575	Manhole, No. 3, As Per Plan	2	Each		
111	611	99654	Manhole Adjusted to Grade	8	Each		
112	611	99660	Manhole Reconstructed to Grade	4	Each		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
FIELDS-ERTEL ROAD WIDENING - PART 1
BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
			PAVEMENT				
113	254	01000	Pavement Planing, Asphalt Concrete	5,765	SY		
114	301	56000	Asphalt Concrete Base, PG64-22, (449)	8,609	CY		
115	304	20000	Aggregate Base	6,417	CY		
116	407	10000	Tack Coat	19	GAL		
117	407	20000	Non-Tracking Tack Coat	5,687	GAL		
118	408	10000	Prime Coat	13,855	GAL		
119	409	98010	Sealing, Misc.: Dura-Fill CFA	5,445	LB		
120	441	70500	Asphalt Concrete Surface Course, Type 1, (449), (Driveways)	46	CY		
121	441	70600	Asphalt Concrete Intermediate Course, Type 1, (449), (Driveways)	17	CY		
122	442	20000	Asphalt Concrete Surface Course, 12.5mm, Type A (448)	1,673	CY		
123	442	20170	Asphalt Concrete Intermediate Course, 12.5mm, Type A (448)	1,673	CY		
124	452	10010	6" Non-Reinforced Concrete Pavement, Class QC 1P	2,271	SY		
125	452	12010	8" Non-Reinforced Concrete Pavement, Class QC 1P	278	SY		
126	609	12000	Combination Curb and Gutter, Type 2	9,608	FT		
127	609	18001	Combination Curb and Gutter, Type 3, As Per Plan	308	FT		
128	609	26000	Curb, Type 6	604	FT		
129	609	54000	6" Concrete Traffic Island	15	SY		
130	609	58000	9" Concrete Traffic Island	138	SY		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
FIELDS-ERTEL ROAD WIDENING - PART 1
BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
WATER WORK							
131	511	71100	Concrete, Misc.: (GCWW - Spec 1110)	64	CY		
132	Special	63820086	8" Water Main Dip Class 52 Push on Joints and Fittings (WCW&S)	626	FT		
133	Special	63820750	6" Fire Hydrant (WCW&S)	1	Each		
134							
135	Special	63820816	Retap, Reconnect and Extend 1" Copper Water Service Connection (WCW&S)	29	FT		
136	Special	63820880	Cut and Plug Existing 8" Water Line (WCW&S)	2	Each		
137	Special	63820046	6" Water Main Dip Class 55 Push on Joints and Fittings (GCWW - Spec 1101)	289	FT		
138	Special	63820086	8" Water Main Dip Class 55 Push on Joints and Fittings (GCWW - Spec 1101)	3,303	FT		
139	Special	63820174	12" Water Main Dip Class 56 Push on Joints and Fittings (GCWW - Spec 1101)	528	FT		
140	Special	63820214	16" Water Main Dip Class 56 Push on Joints and Fittings (GCWW - Spec 1101)	974	FT		
141	Special	63820458	18" Steel Pipe Encasement, Open Cut (GCWW - Spec 1108)	87	FT		
142	Special	63820470	30" Steel Pipe Encasement, Open Cut (GCWW - Spec 1108)	23	FT		
143	Special	63820498	Valve Box (GCWW - Spec 1116)	42	Each		
144	Special	63820500	Valve Box Adjusted to Grade (GCWW - Spec 1125)	11	Each		
145	Special	63820554	8" Gate Valve with Valve Box (WCW&S)	2	Each		
146	Special	63820742	1" Air Release Valve with Valve Box (GCWW - Spec 1116)	23	Each		
147	Special	63820752	Fire Hydrant Removed for Storage (WCW&S)	1	Each		
148							
149	Special	63820750	6" Fire Hydrant (GCWW - Spec 1112)	15	Each		
150	Special	63820754	Fire Hydrant Removed and Reset (GCWW - Spec 1113)	2	Each		
151	Special	63820760	Fire Hydrant Removed and Disposed of (GCWW - Spec 1114)	11	Each		
152	Special	63820762	Fire Hydrant Service Line Extended and Adjusted to Grade (GCWW - Spec 1115)	17	Each		
153	Special	63820766	3/4" Copper Water Service Line (WCW&S)	240	FT		
154	Special	63820766	3/4" Copper Water Service Line (GCWW - Spec 1126)	612	FT		
155	Special	63820770	1" Copper Water Service Line (GCWW - Spec 1126)	446	FT		
156	Special	63820902	Service Box Adjusted to Grade (GCWW - Spec 1131)	4	Each		
157	Special	63820904	Service Box (GCWW - Spec 1131)	20	Each		
158	Special	63830002	Sheeting and Bracing Ordered Left in Place (GCWW - Spec 637)	1	MBF		
159	Special	63898000	Water Work, Misc.: Reconnecting Existing 3/4" Service Branch (GCWW - Spec 1128)	15	Each		
160	Special	63898000	Water Work, Misc.: Reconnecting Existing 1" Service Branch (GCWW - Spec 1128)	7	Each		
161	Special	63898000	Water Work, Misc.: Adjust Existing Valve Chamber to Grade (GCWW - Spec 604)	11	Each		
162	Special	63898000	Water Work, Misc.: 5/8" Frost-Proof Meter Setting (GCWW - Spec 1134)	3	Each		
163	Special	63898000	Water Work, Misc.: 1" Frost-Proof Meter Setting (GCWW - Spec 1134)	4	Each		
						Sub-Total =	
LIGHTING							
164	625	25402	Conduit 2", 725.05	788	FT		
165	625	25502	Conduit 3", 725.05	191	FT		
166	625	29000	Trench	979	FT		
167	625	30700	Pull Box, 725.08, 18"	13	Each		
						Sub-Total =	

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 FIELDS-ERTEL ROAD WIDENING - PART 1
 BID PROPOSAL

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
TRAFFIC CONTROL							
168	621	00100	RPM	365	Each		
169	626	00110	Barrier Reflector, Type 2	14	Each		
170	630	03100	Ground Mounted Support, No. 3 Post	648	FT		
171	630	06500	Ground Mounted Structural Beam Support, W6x9	32	FT		
172	630	08520	Street Name Sign Support, No. 3 Post	58	FT		
173	630	08600	Sign Post Reflector	5	Each		
174	630	09000	Breakaway Structural Beam Connection	2	Each		
175	630	80100	Sign, Flat Sheet	332	SF		
176	630	80200	Sign, Ground Mounted Extrusheet	27	SF		
177	630	80500	Sign, Double Faced, Street Name	3	Each		
178	630	81100	Sign Erected, Flat Sheet	3	SF		
179	630	84500	Ground Mounted Structural Beam Support Foundation	2	Each		
180	630	84600	Ground Mounted Pipe Support Foundation	1	Each		
181	630	84900	Removal of Ground Mounted Sign and Disposal	40	Each		
182	630	85100	Removal of Ground Mounted Sign and Reerection	2	Each		
183	630	85200	Removal of Ground Mounted Sign and Delivery	5	Each		
184	630	85400	Removal of Ground Mounted Major Sign and Disposal	1	Each		
185	630	86002	Removal of Ground Mounted Post Support and Disposal	34	Each		
186	630	86010	Removal of Ground Mounted Post Support and Reerection	1	Each		
187	630	86050	Removal of Ground Mounted Post Support and Delivery	2	Each		
188	630	86102	Removal of Ground Mounted Structural Beam Support and Disposal	2	Each		
189	630	87500	Removal of Pole Mounted Sign and Disposal	1	Each		
190	630	87520	Removal of Pole Mounted Sign and Reerection	4	Each		
191	630	89812	Removal of Wood Pole and Disposal	1	Each		
192	644	00104	Edge Line, 6"	0.65	Mile		
193	644	00204	Lane Line, 6"	1.34	Mile		
194	644	00300	Center Line	1.85	Mile		
195	644	00404	Channelizing Line, 12"	3,218	FT		
196	644	00500	Stop Line	387	FT		
197	644	00700	Transverse/Diagonal Line	423	FT		
198	644	00720	Chevron Marking	240	FT		
199	644	00900	Island Marking	236	SF		
200	644	01300	Lane Arrow	67	Each		
201	644	01400	Word on Pavement, 72"	3	Each		
202	644	01520	Dotted Line, 12"	296	FT		
203	644	00620	Crosswalk Line, 12"	895	FT		
204	644	00630	Crosswalk Line, 24"	66	FT		
205	644	30000	Removal of Pavement Marking	107	FT		
206	644	30020	Removal of Pavement Marking	1	Each		
207	646	10700	Curb Marking	588	FT		
208	646	10800	Island Marking	67	SF		
						Sub-Total =	

HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 1
 BID PROPOSAL

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
TRAFFIC SIGNALS							
209	625	25506	Conduit, 3", 725.052	147	FT		
210	625	25606	Conduit, 4", 725.052	70	FT		
211	625	29002	Trench, 24" Deep	182	FT		
212	625	30700	Pull Box, 725.08, 18"	5	Each		
213	625	30706	Pull Box, 725.08, 24"	3	Each		
214	625	32000	Ground Rod	17	Each		
215	630	79000	Sign Hanger Assembly, Span Wire	14	Each		
216	630	79500	Sign Support Assembly, Pole Mounted	2	Each		
217	630	80100	Sign, Flat Sheet	112	SF		
218	630	80500	Sign, Double Faced, Street Name	8	Each		
219	632	05007	Vehicular Signal head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonate, As Per Plan	15	Each		
220	632	05087	Vehicular Signal head, (LED), 5-Section, 12" Lens, 1-Way, Polycarbonate, As Per Plan	6	Each		
221	632	20731	Pedestrian Signal Head (LED), Type D2, Countdown, As Per Plan	12	Each		
222	632	25000	Covering of Vehicular Signal Head	21	Each		
223	632	25010	Covering of Pedestrian Signal Head	12	Each		
224	632	26000	Pedestrian Pushbutton	10	Each		
225	632	30200	Messenger Wire, 7 Strand, 3/8" Diameter With Accessories	396	FT		
226	632	30400	Messenger Wire, 7 Strand, 1/2" Diameter With Accessories	405	FT		
227	632	30600	Tether Wire, With Accessories	801	FT		
228	632	42200	Signal Cable, 2 Conductor, No. 12 AWG	2,158	FT		
229	632	42500	Signal Cable, 5 Conductor, No. 12 AWG	2,469	FT		
230	632	42700	Signal Cable, 7 Conductor, No. 12 AWG	2,289	FT		
231	632	64000	Strain Pole Foundation	8	Each		
232	632	64020	Pedestal Foundation	6	Each		
233	632	68200	Power Cable, 2 Conductor, No. 6 AWG	151	FT		
234	632	69800	Service Cable, 3 Conductor, No. 6 AWG	120	FT		
235	632	70001	Power Service, As Per Plan	2	Each		
236	632	70400	Conduit Riser, 2" Diameter	1	Each		
237	632	86130	Strain Pole, Type TC-81.11, Design 10	4	Each		
238	632	86140	Strain Pole, Type TC-81.11, Design 12	4	Each		
239	632	89600	Pedestal, 8'	6	Each		
240	632	90101	Removal of Traffic Signal Installation, As Per Plan	2	Each		
241	633	65521	Cabinet, Type 332, As Per Plan	2	Each		
242	633	67100	Cabinet Foundation	2	Each		
243	633	67200	Controller Work Pad	2	Each		
244	633	75001	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	2	Each		
245	804	15010	Fiber Optic Cable, 24 Fiber	68	FT		
246	809	65011	ITS Cabinet - Pole Mounted, As Per Plan	1	Each		
247	809	69001	Advance Radar Detection, As Per Plan	6	Each		
248	809	69101	Stop Line Radar Detection, As Per Plan	8	Each		
249	809	69122	ATC Controller	2	Each		
250	809	69201	Emergency Vehicle Preemption, As Per Plan	2	Each		
251	824	00010	System Analysis	1	Lump		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
FIELDS-ERTEL ROAD WIDENING - PART 1
BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
RETAINING WALL 1							
252	503	11101	Cofferdams and Excavation Bracing	1	Lump		
253	503	21100	Unclassified Excavation	2,372	CY		
254	509	10000	Epoxy Coated Steel Reinforcement	170,334	LB		
255	511	46012	Class QC1 Concrete With QC/QA, Retaining/Wingwall Not Including Footing	472	CY		
256	511	46513	Class QC1 Concrete With QC/QA, Footing, As Per Plan	871	CY		
257	512	10001	Sealing of Concrete Surfaces, As Per Plan	779	SY		
258	512	10100	Sealing of Concrete Surfaces (Epoxy-Urethane)	779	SY		
259	512	33000	Type 2 Waterproofing	98	SY		
260	516	13200	1/2" Preformed Expansion Joint Filler	165	SF		
261	516	13600	1" Preformed Expansion Joint Filler	397	SF		
262	518	21200	Porous Backfill With Geotextile Fabric	1,385	CY		
263	530	13000	Special - Form Liner	8,270	SF		
						Sub-Total =	
RETAINING WALL 2							
264	503	21100	Unclassified Excavation	555	CY		
265	507	00400	Steel Piles, Misc.: W16x67 Soldier Piles	319	FT		
266	507	00400	Steel Piles, Misc.: W24x104 Soldier Piles	258	FT		
267	507	00400	Steel Piles, Misc.: W27x102 Soldier Piles	564	FT		
268	507	00400	Steel Piles, Misc.: W33x130 Soldier Piles	599	FT		
269	507	00400	Steel Piles, Misc.: W36x150 Soldier Piles	524	FT		
270	509	10000	Epoxy Coated Steel Reinforcement	34,006	LB		
271	511	46011	Class QC1 Concrete, Retaining/Wingwall Not Including Footing, As Per Plan	238	CY		
272	512	10001	Sealing of Concrete Surfaces, As Per Plan	714	SY		
273	512	10100	Sealing of Concrete Surfaces (Epoxy-Urethane)	710	SY		
274	512	33000	Type 2 Waterproofing	68	SY		
275	513	20001	Welded Stud Shear Connectors, As Per Plan	1,349	Each		
276	516	13600	1" Preformed Expansion Joint Filler	77	SF		
277	518	20000	Prefabricated Geocomposite Drain	603	SY		
278	518	42010	8" Non-Perforated Corrugated Plastic Pipe, Including Specials	408	FT		
279	524	94603	Drilled Shafts, 30" Diameter Above Bedrock, Asp Per Plan	319	FT		
280	524	94703	Drilled Shafts, 36" Diameter Above Bedrock, Asp Per Plan	822	FT		
281	524	94903	Drilled Shafts, 48" Diameter Above Bedrock, Asp Per Plan	1,123	FT		
282	530	13000	Special - Form Liner	6,424	SF		
283	530	00200	Special - Structures	1	Lump		
284	530	51020	Special - Retaining Wall, Timber Lagging	5,427	SF		
						Sub-Total =	
RETAINING WALL 4							
285	503	11100	Cofferdams and Excavation Bracing	1	Lump		
286	503	21100	Unclassified Excavation	757	CY		
287	509	10000	Epoxy Coated Steel Reinforcement	60,089	LB		
288	511	46012	Class QC1 Concrete With QC/QA, Retaining/Wingwall Not Including Footing	187	CY		
289	511	46513	Class QC1 Concrete With QC/QA, Footing, As Per Plan	269	CY		
290	512	10001	Sealing of Concrete Surfaces, As Per Plan	246	SY		
291	512	10100	Sealing of Concrete Surfaces (Epoxy-Urethane)	246	SY		
292	512	33000	Type 2 Waterproofing	25	SY		
293	516	13600	1" Preformed Expansion Joint Filler	205	SF		
294	518	21200	Porous Backfill With Geotextile Fabric	409	CY		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
FIELDS-ERTEL ROAD WIDENING - PART 1
BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
MAINTENANCE OF TRAFFIC							
295	410	12000	Traffic Compacted Surface, Type A or B	500	CY		
296	614	11110	Law Enforcement Officer With Patrol Car For Assistance	200	Hour		
297	614	13000	Asphalt Concrete For Maintaining Traffic	232	CY		
298	614	12380	Work Zone Impact Attenuator, 24" Wide Hazards, (Unidirectional)	44	Each		
299	614	12420	Detour Signing	1	Lump		
300	614	12460	Work Zone Marking Sign	15	Each		
301	614	12500	Replacement Sign	10	Each		
302	614	12600	Replacement Drum	15	Each		
303	614	12760	Special - Flashing Arrow Panel	1	Each		
304	614	12801	Work Zone Raised Pavement Marker, As Per Plan	127	Each		
305	614	13310	Barrier Reflector, Type 1 (Bi-Directional)	147	Each		
306	614	13312	Barrier Reflector, Type 2 (Bi-Directional)	13	Each		
307	614	13360	Object Marker, Two Way	162	Each		
308	614	18601	Portable Changeable Message Sign, As Per Plan	12	SNMT		
309	614	20000	Work Zone Lane Line, Class I, 4"	1.29	Mile		
310	614	20560	Work Zone Lane Line, Class III, 6", 642 Paint	2	Mile		
311	614	21000	Work Zone Center Line, Class I	5.01	Mile		
312	614	21550	Work Zone Center Line, Class III, 642 Paint	2	Mile		
313	614	22000	Work Zone Edge Line, Class I, 4"	7.08	Mile		
314	614	22360	Work Zone Edge Line, Class III, 6" 642 Paint	4	Mile		
315	614	23000	Work Zone Channelizing Line, Class I, 8"	4,777	FT		
316	614	23690	Work Zone Channelizing Line, Class III, 12", 642 Paint	2,000	FT		
317	614	24000	Work Zone Dotted Line, Class I	981	FT		
318	614	25000	Work Zone Transverse/Diagonal Line, Class I	695	FT		
319	614	26000	Work Zone Stop Line, Class I	633	FT		
320	614	26610	Work Zone Stop Line, Class III, 642 Paint	180	FT		
321	614	27010	Work Zone Crosswalk Line, Class I, 12"	1,183	FT		
322	614	28000	Work Zone Gore Marking, Class II	607	FT		
323	614	30000	Work Zone Arrow, Class I	111	Each		
324	614	30650	Work Zone Arrow, Class III, 642 Paint	8	Each		
325	614	31000	Work Zone Word On Pavement, 72", Class I	6	Each		
326	614	40050	Business Entrance Sign	4	Each		
327	615	10000	Roads For Maintaining Traffic	1	Lump		
328	615	25000	Pavement For Maintaining Traffic, Class B	3,237	SY		
329	616	10000	Water	180	MGal		
						Sub-Total =	
INCIDENTALS							
330	108		CPM Progress Schedule, As Per Proposal Note	1	Lump		
331	614	11000	Maintaining Traffic	1	Lump		
332	619	16010	Field Office, Type B	30	Month		
333	623	10000	Construction Layout Stakes and Surveying	1	Lump		
334	624	10000	Mobilization	1	Lump		
335	Special		Contingency	500,000	Each	\$ 1.00	\$ 500,000.00
						Sub-Total =	
						Total Bid Price for Part 1 =	

**HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 2
 (WILKENS BLVD. and BARDES ROAD ROUNDABOUT)
 BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
			ROADWAY				
1	201	11000	Clearing and Grubbing	1	Lump		
2	202	23000	Pavement Removed	5,906	SY		
3	202	30000	Walk Removed	1,148	SF		
4	202	30600	Concrete Median Removed	2	SY		
5	202	32000	Curb Removed	172	FT		
6	202	32500	Curb and Gutter Removed	3,160	FT		
7	202	35100	Pipe Removed, 24" and Under	902	FT		
8	202	38000	Guardrail Removed	335	FT		
9	202	58000	Manhole Removed	3	Each		
10	202	58100	Catch Basin Removed	6	Each		
11	202	98100	Removal Misc.: Private Sign	1	Each		
12	203	10000	Excavation	9,341	CY		
13	203	20000	Embankment	425	CY		
14	204	45000	Proof Rolling	5	Hour		
15	206	10500	Cement	213	Ton		
16	206	11000	Curing Coat	8,091	SY		
17	206	15010	Cement Stabilized Subgrade, 12 Inches Deep	8,091	SY		
18	206	30000	Mixture Design for Chemically Stabilized Soils	1	Lump		
19	606	15050	Guardrail, Type MGS	262.5	FT		
20	606	26050	Anchor Assembly, MGS Type B	1	Each		
21	606	26550	Anchor Assembly, MGS Type T	1	Each		
22	608	12000	5" Concrete Walk	8,654	SF		
23	608	52000	Curb Ramp	363	SF		
24	Special		Undercutting Subgrade	500	CY		
25	Special		Granular Repair of Subgrade	500	CY		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 2
 (WILKENS BLVD. and BARDES ROAD ROUNDABOUT)
 BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
EROSION CONTROL							
26	659	00100	Soil Analysis Test	4	Each		
27	659	00300	Topsoil	652	CY		
28	659	10000	Seeding and Mulching	10,218	SY		
29	659	14000	Repair Seeding and Mulching	478	SY		
30	659	15000	Inter-Seeding	285	SY		
31	659	20000	Commercial Fertilizer	0.80	Ton		
32	659	31000	Lime	4	Acre		
33	659	35000	Water	18	MGal		
34	670	00700	Ditch Erosion Protection	200	SY		
35	832	15000	Storm Water Pollution Prevention Plan	1	Lump		
36	832	15002	Storm Water Pollution Prevention Inspections	1	Lump		
37	832	15010	Storm Water Pollution Prevention Inspection Software	1	Lump		
38	832	30000	Erosion Control	35,000	Each	\$ 1.00	\$ 35,000.00
						Sub-Total =	
DRAINAGE							
39	602	20000	Concrete Masonry	0.90	CY		
40	605	06020	4" Base Pipe Underdrains With Geotextile Fabric	4,265	FT		
41	611	00100	4" Conduit, Type B	217	FT		
42	611	00410	4" Conduit, Type F For Underdrain Outlet	220	FT		
43	611	04400	12" Conduit, Type B	692	FT		
44	611	04600	12" Conduit, Type C	42	FT		
45	611	05900	15" Conduit, Type B	44	FT		
46	611	06100	15" Conduit, Type C	127	FT		
47	611	07400	18" Conduit, Type B	181	FT		
48	611	07600	18" Conduit, Type C	48	FT		
49	611	98150	Catch Basin, No. 3	5	Each		
50	611	98180	Catch Basin, No. 3A	10	Each		
51	611	98450	Catch Basin, No. 2-2A	1	Each		
52	611	99574	Manhole, No. 3	1	Each		
53	611	99660	Manhole Reconstructed To Grade	2	Each		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 2
 (WILKENS BLVD. and BARDES ROAD ROUNDABOUT)
 BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
PAVEMENT							
54	254	01000	Pavement Planing, Asphalt Concrete	3,299	SY		
55	301	56000	Asphalt Concrete Base, PG64-22, (449)	299	CY		
56	302	56000	Asphalt Concrete Base, PG64-22, (449)	595	CY		
57	304	20000	Aggregate Base	1,516	CY		
58	407	20000	Non-Tracking Tack Coat	506	Gal		
59	408	10000	Prime Coat	325	Gal		
60	442	20000	Asphalt Concrete Surface Course, 12.5 mm, Type A (448)	385	CY		
61	442	20170	Asphalt Concrete Intermediate Course, 12.5 mm, Type A (448)	448	CY		
62	452	12010	8" Non-Reinforced Concrete Pavement, Class QC 1P	38	SY		
63	452	15030	12" Non-Reinforced Concrete Pavement, Class QC MS	369	SY		
64	609	12000	Combination Curb and Gutter, Type 2	3,279	FT		
65	609	26000	Curb, Type 6	1,211	FT		
66	609	31000	Combination Curb and Gutter, Type 9	374	FT		
67	609	33000	Curb, Type 10	127	FT		
68	609	50000	4" Concrete Traffic Island	430	SY		
69	609	71000	Concrete Median	56	SF		
70	609	72000	Concrete Median	17	SY		
						Sub-Total =	
WATER WORK							
71	638	20046	Special - 6" Water Main Dip Class 52 Push on Joints and Fittings	111	FT		
72	638	20086	Special - 8" Water Main Dip Class 52 Push on Joints and Fittings	1,322	FT		
73	638	20538	Special - 6" Gate Valve With Valve Box	2	Each		
74	638	20554	Special - 8" Gate Valve With Valve Box	4	Each		
75	638	20564	Special - 8" Cutting in Sleeve	1	Each		
76	638	20750	Special - 6" Fire Hydrant	5	Each		
77	638	20760	Special - Fire Hydrant Removed for Storage	2	Each		
78							
79	638	20878	Special - Cut and Plug Existing 6" Water Line	3	Each		
80	638	20880	Special - Cut and Plug Existing 8" Water Line	2	Each		
81	638	21400	Special - Fire Hydrant Adjusted to Grade	1	Each		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 2
 (WILKENS BLVD. and BARDES ROAD ROUNDABOUT)
 BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
			TRAFFIC CONTROL				
82	626	00110	Barrier Reflector, Type 2	5	Each		
83	630	03100	Ground Mounted Support, No. 3 Post	442	FT		
84	630	08600	Sign Post Reflector	8	Each		
85	630	80100	Sign, Flat Sheet	192	SF		
86	630	84900	Removal of Ground Mounted Sign and Disposal	9	Each		
87	630	86002	Removal of Ground Mounted Post Support and Disposal	10	Each		
88	644	00100	Edge Line, 4"	0.35	Mile		
89	644	00104	Edge Line 6"	0.15	Mile		
90	644	00300	Center Line	0.46	Mile		
91	644	00404	Channelizing Line, 12"	330	FT		
92	644	00500	Stop Line	31	FT		
93	644	00630	Crosswalk Line, 24"	144	FT		
94	644	00700	Transverse/Diagonal Line	141	FT		
95	644	00900	Island Marking	10	SF		
96	644	01300	Lane Arrow	12	Each		
97	644	01520	Dotted Line, 12"	141	FT		
98	644	20800	Yield Line	53	FT		
						Sub-Total =	
			LIGHTING				
99	625	25402	Conduit, 2", 725.05	801	FT		
100	625	25502	Conduit, 3", 725.06	200	FT		
101	625	29000	Trench, 24" Deep	1,001	FT		
102	625	30700	Pull Box, 725.08, 18"	8	Each		
103	625		Lighting Misc.: Temporary Light	1	LS		
						Sub-Total =	

**HAM/WAR CR 4/CR 1-2.93
 FIELDS-ERTEL ROAD WIDENING - PART 2
 (WILKENS BLVD. and BARDES ROAD ROUNDABOUT)
 BID PROPOSAL**

Ref. No.	Item No.	Item Ext.	Description	Quantity	Unit	Unit Cost	Total Cost
MAINTENANCE OF TRAFFIC							
104	410	12000	Traffic Compacted Surface, Type A or B	6	CY		
105	611	04400	12" Conduit, Type B	100	FT		
106	611	98370	Catch Basin, No. 6	2	Each		
107	611	98630	Catch Basin Adjusted To Grade	2	Each		
108	614	11110	Law Enforcement Officer With Patrol Car For Assistance	40	Hour		
109	614	12421	Detour Signing, As Per Plan	1	Lump		
110	614	12500	Replacement Sign	5	Each		
111	614	12600	Replacement Drum	10	Each		
112	614	13000	Asphalt Concrete For Maintenance Traffic	3	CY		
113	614	18601	Portable Changeable Message Sign, As Per Plan	12	SNMT		
114	614	21550	Work Zone Center Line, Class III, 642 Paint	0.50	Mile		
115	614	23690	Work Zone Channelizing Line, Class III, 12", 642 Paint	200	FT		
116	614	26610	Work Zone Stop Line, Class III, 642 Paint	31	FT		
117	614	40050	Business Entrance Sign	6	Each		
118	616	10000	Water	58	MGal		
INCIDENTALS							
119	614	11000	Maintaining Traffic	1	Lump		
120	623	10000	Construction Layout Stakes and Surveying	1	Lump		
121	624	10000	Mobilization	1	Lump		
122	Special		Contingency	150,000	Each	\$ 1.00	\$ 150,000.00
						Sub-Total =	
Total Bid Price for Part 2 =							