

ADDENDUM NO. 2

CONTRACT NO. 2018-4023

Grading, Granular Base, Drainage, Hot Mix Paving, Structural Replacement and Electrical - PART
A: Highway 401 Underpass at County Road 31 Interchange (Site No. 31X-0204/B0 / Exit 750)
PART B: Highway 401 Underpass at Flagg Road (Site No. 31X-0203/B0) - 5.6km West of
Morrisburg/Winchester I/C (Exit 750)

1.5 km

Eastern Region

The following will now form part of the Special Provisions of the contract and amends the applicable information contained in the original contract tendering documents.

TENDER

ITEM NO. 17 - 900 mm Pipe Culvert

The quantity for this item is revised to read 107.

ITEM NO. 18 - 900 mm Pipe Culvert Extension

The quantity for this item is revised to read 11.

ITEM NO. 26 - Abandonment of Pipes and Culverts

The quantity for this item is revised to read 74.

ITEM NO. 181 - Form and Fill Grooves

The quantity for this item is revised to read 76.00.

ITEM NO. 196 - Jacking and Boring

This item is added to the tender.

The quantity for this item is 49.

The Spec Code is 0416-0010.

The Contractor shall substitute the attached copies of the tender item list in the tender documents when submitting his bid.

SCHEDULE OF PROVISIONS, PLANS, STANDARD DRAWINGS, SPECIFICATIONS AND GENERAL CONDITIONS

E. ITEM SPECIFIC SPECIAL PROVISIONS

Special No.	Date	Item No.
416S01	Mar 2012	196

The above SSP has been added.

F. STANDARD SPECIFICATIONS

Common

No.	Date
0416	Feb 1990

The above OPSS has been added.

SPECIAL PROVISIONS (NEW)
NOTICE TO BIDDERS

JACKING AND BORING - Item No. 196

Special Provision

New Culvert Crossing Installation

The Contractor shall schedule and install the new culvert crossing at Sta. 10+093, before the build-up and widening of the existing structure approach embankment.

The Contractor shall contact the utilities to identify and locate any existing utilities as per the contract requirements to minimize impact and avoid any damages to the existing utilities before and during the Jacking and Boring operation.

Basis of Payment

Payment at the contract price for the above tender item shall include all labour, equipment and materials to do the work.

CONTRACT DRAWINGS

The following drawing sheet(s) are cancelled and replaced as indicated:

Book 1 of 2 – W.P. 4415-01-01 County Road 31 Underpass

Cancelled	Replaced By
27	27A
30	30A

Book 2 of 2 – W.P. 4445-02-01 Flagg Road Underpass

N/A

The following drawing sheet(s) are added:

N/A

QUANTITY SHEETS

The following quantity sheet(s) are cancelled and replaced as indicated:

Book 1 of 2 – W.P. 4415-01-01 County Road 31 Underpass

Cancelled	Replaced By
11	11-1
14	14-1

Book 2 of 2 – W.P. 4445-02-01 Flagg Road Underpass

Cancelled	Replaced By
18	18-1

The following quantity sheet(s) are added:

N/A

Ed Marcon
Team Lead
Contract Tendering Section
8 February 2019

TENDER ITEM LIST

Grading-Part A (County Road 31 - Site No. 31X-0204/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
1	0201-0075	Grubbing	m2 (P)	3,150		
2	0201-0080	Grubbing	each (P)	20		
3	0206-0010 SP	Earth Excavation, Grading	m3 (P)	15,739		
4	0305-0015 SP	Granular Sealing (m2)	m2 (P)	1,498		
5	0308-0010 SP	Tack Coat	m2 (P)	31,549		
6	0312-0030	Asphalt Spillways	m (P)	8		
7	0313-1374	Superpave 12.5FC 1	t	2,309		
8	0313-1376	Superpave 19.0	t	3,348		
9	0314-0071	Granular A	t	8,393		
10	0314-0190	Granular B, Type II	t	4,101		
11	0314-0310	Select Subgrade Material, Compacted	t	76,541		
12	0314-0390	Granular B, Type III	t	12,085		
13	0353-0011 SP	Concrete Curb and Gutter	m (P)	105		
14	0353-0020	Concrete Gutter Outlets	each (P)	4		
15	0399-2020 SP	Temporary Hot Mix Pavement	t	66		
16	0405-0010 SP	Pipe Subdrains	m (P)	228		
17	0421-0905	900 mm Pipe Culvert	m (P)	107		
18	0421-6216	900 mm Pipe Culvert Extension	m (P)	11		
19	0499-4071 SP	Clean Out Catch Basins, Maintenance Holes and Ditch Inlets	each (P)	5		
20	0510-3133	Removal of Asphalt Pavement	m2 (P)	15,937		
21	0510-3137	Removal of Asphalt Pavement, Partial-Depth	m2 (P)	5,289		
22	0510-3139	Removal of Asphalt Pavement from Concrete Surfaces on Structures	m2 (P)	1,101		
23	0510-3532	Removal of Concrete Curb and Gutter	m (P)	448		
24	0510-4071	Removal of Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers	each (P)	4		
25	0510-4072 SP	Abandonment of Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers, Partial-Depth	each (P)	1		
26	0510-4076 SP	Abandonment of Pipes and Culverts	m (P)	74		
27	0510-4210	Removal of Pipes and Culverts	m (P)	50		
28	0510-5402 SP	Removal of Ramp Closure Gates	each (P)	1		
29	0510-5521	Removal of Delineator Posts	each (P)	36		
30	0510-5523	Removal of Cable Guide Rail	m (P)	928		
31	0510-5526	Removal of Anchor Blocks	each (P)	12		
32	0510-5528	Removal of Steel Beam Guide Rail	m (P)	656		
33	0511-0145	Rip-Rap	m2 (P)	85		
34	0511-0150	Geotextile	m2 (P)	142		
35	0539-0040	Protection System	lump sum	100 %		
36	0703-0020	Small Signs, Ground Mounted, New	each (P)	33		
37	0703-0021	Small Signs, Relocation	each (P)	5		
38	0703-0022 SP	Small Signs, Removal	each (P)	31		

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39	0704-0025	Post Mounted Delineators	each (P)	128		
40	0705-0025	Flexible Delineator Post - Temporary	each (P)	39		
41	0706-0013 SP	Portable Variable Message Sign (Temporary)	each (P)	2		
42	0706-0015 SP	Temporary Traffic Control Signs	lump sum	100 %		
43	0706-0045	Road Closing / Restriction Notice Signs (TC-64)	each (P)	14		
44	0710-0007 SP	Pavement Marking Obliterating - By Abrasive Blasting	m (P)	6,270		
45	0710-0010 SP	Pavement Marking	m (P)	6,506		
46	0710-0030 SP	Pavement Marking, Durable	m (P)	222		
47	0710-0040	Pavement Marking Symbols, Durable	each (P)	6		
48	0710-0050 SP	Pavement Marking, Temporary	m (P)	7,763		
49	0710-0060	Pavement Marking Symbols, Temporary	each (P)	2		
50	0721-0050 SP	Single Rail Steel Beam Guide Rail	m (P)	1,261		
51	0721-0060 SP	Single Rail Steel Beam Guide Rail with Channel	m (P)	118		
52	0723-4105 SP	Energy Attenuator - Temporary, Narrow	each (P)	4		
53	0723-4110 SP	Energy Attenuator - Relocation, Narrow	each (P)	4		
54	0732-0100 SP	Steel Beam Energy Attenuating Terminal System	each (P)	5		
55	0741-0020	Temporary Concrete Barrier	m (P)	732		
56	0741-0025	Temporary Concrete Barrier, Relocation	m (P)	640		
57	0741-5600 SP	Temporary Concrete Barrier Restraint System, Pinned	m (P)	280		
58	0741-5601 SP	Temporary Concrete Barrier Restraint System, Strapped	m (P)	84		
59	0799-5505 SP	Temporary Transition Connection	each (P)	2		
60	0799-6015 SP	Ramp Closure Gates	each (P)	2		
61	0799-6016 SP	Concrete in Ramp Closure Gate Support Footings	each (P)	2		
62	0802-0020	Topsoil from Stockpiles	m3	93		
63	0804-0051 SP	Seed and Mulch	m2 (P)	1,855		
64	0805-0030 SP	Light-Duty Silt Fence Barriers	m (P)	1,158		
65	0915-0051 SP	Wood Column Non-Breakaway Sign Support Structures	each (P)	1		
66	9999-5024 SP	Communication Plan for Traffic Management	lump sum	100 %		

Electrical-Part A (County Road 31 - Site No. 31X-0204/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
67	0602-0045	Electrical Handholes	each (P)	4		
68	0603-0035	Rigid Ducts, Concrete Encased	m (P)	16		
69	0603-0045	Rigid Ducts, Direct Buried	m (P)	94		
70	0603-0046	Rigid Ducts, Direct Buried (Temporary)	m (P)	75		
71	0604-0045	Low Voltage Cables, in Ducts	m (P)	531		
72	0604-0046	Low Voltage Cables, in Ducts (Temporary)	m (P)	225		
73	0604-0076	Low Voltage Cables, Aerial on Messenger Cable (Temporary)	m (P)	405		

74	0604-0096	Steel Messenger Cables, Aerial (Temporary)	m (P)	135		
75	0609-0020	Ground Wires	m (P)	179		
76	0609-0021	Ground Wires (Temporary)	m (P)	77		
77	0609-0030	Ground Electrodes	each (P)	2		
78	0609-0031	Ground Electrodes (Temporary)	each (P)	2		
79	0610-0010	Removal of Electrical Equipment	lump sum	100 %		
80	0615-0041	Wood Poles, Direct Buried in Earth (Temporary)	each (P)	4		
81	0615-0110	Steel Poles, Base Mounted	each (P)	4		
82	0615-0141	Guy Anchors (Temporary)	each (P)	4		
83	0616-0020	Concrete Footings in Earth	each (P)	3		
84	0616-0030	Concrete Footings in Rock	each (P)	1		
85	0617-0021 SP	Roadway Lighting Luminaires and Bracket Assemblies (Temporary)	each (P)	4		
86	0617-0022 SP	LED Roadway Lighting Luminaires and Bracket Assemblies	each (P)	4		
87	0617-0041 SP	Replace LED Roadway Lighting Luminaires	each (P)	6		

Structural-Part A (County Road 31 - Site No. 31X-0204/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
88	0510-9010 SP	Removal of Bridge Structure	lump sum	100 %		
89	0510-9015 SP	Removal of Bridge Footings	m3	80		
90	0899-0010 SP	Management and Disposal of Materials Containing Asbestos	lump sum	100 %		
91	0902-0010 SP	Earth Excavation for Structure	m3 (P)	1,670		
92	0902-0030 SP	Dewatering Structure Excavations	lump sum	100 %		
93	0903-0010 SP	Supply Equipment for Driving Piles	lump sum	100 %		
94	0903-0054 SP	H-Piles - HP 310X110	m	427.00		
95	0903-0130	Rock Points	each (P)	36		
96	0904-0055	Concrete in Footings	m3 (P)	50.0		
97	0904-0085 SP	Concrete in Substructure	lump sum	100 %		
98	0904-0105 SP	Concrete in Deck	lump sum	100 %		
99	0904-0125	Concrete in Parapet Walls	lump sum	100 %		
100	0904-0135 SP	Concrete in Approach Slabs	lump sum	100 %		
101	0904-0145 SP	Concrete in Slope Paving	lump sum	100 %		
102	0905-0010	Reinforcing Steel Bar	lump sum	100 %		
103	0905-0025	Stainless Steel Reinforcing Bar	lump sum	100 %		
104	0908-0030	Parapet Wall Railing	m (P)	159		
105	0909-0233 SP	Prestressed Concrete Girders NU 1600 Fabrication	lump sum	100 %		
106	0909-0243 SP	Prestressed Concrete Girders NU 1600 Delivery	lump sum	100 %		
107	0909-0253 SP	Prestressed Concrete Girders NU 1600 Installation	lump sum	100 %		
108	0914-0011 SP	Bridge Deck Waterproofing	lump sum	100 %		
109	0914-0031 SP	Form and Fill Grooves	m (P)	96.00		
110	0914-0040	Membrane Reinforcement	m (P)	24.00		

111	0920-0010 SP	Deck Joint Assemblies, Installation	lump sum	100 %		
112	0922-0010	Bearings	lump sum	100 %		
113	0928-0055 SP	Access to Work Area, Work Platform and Scaffolding	lump sum	100 %		
114	9999-0468 SP	CSP for Integral Abutment	lump sum	100 %		
115	9999-0903 SP	H-Piles - HP 310X132	m	517		
116	9999-9132 SP	Pile Extraction or Overdriving of Existing Piles	each	8		
117	9999-9137 SP	Vibration Monitoring	lump sum	100 %		

Grading-Part B (Flagg Road - Site No. 31X-0203/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
118	0201-0015	Clearing	m2 (P)	891		
119	0201-0075	Grubbing	m2 (P)	891		
120	0206-0010 SP	Earth Excavation, Grading	m3 (P)	4,907		
121	0305-0015 SP	Granular Sealing (m2)	m2 (P)	835		
122	0308-0010 SP	Tack Coat	m2 (P)	1,276		
123	0312-0030	Asphalt Spillways	m (P)	8		
124	0313-1535	Superpave 12.5 - 40 mm Lift Thickness	m2 (P)	1,806		
125	0313-1536	Superpave 12.5 - 50 mm Lift Thickness	m2 (P)	7,003		
126	0314-0071	Granular A	t	5,682		
127	0314-0130	Granular B, Type I	t	19,885		
128	0314-0190	Granular B, Type II	t	3,840		
129	0353-0011 SP	Concrete Curb and Gutter	m (P)	52		
130	0353-0020	Concrete Gutter Outlets	each (P)	4		
131	0405-0010 SP	Pipe Subdrains	m (P)	126		
132	0421-0505	500 mm Pipe Culvert	m (P)	64		
133	0421-6212	500 mm Pipe Culvert Extension	m (P)	8		
134	0510-3133	Removal of Asphalt Pavement	m2 (P)	5,933		
135	0510-3137	Removal of Asphalt Pavement, Partial-Depth	m2 (P)	66		
136	0510-3139	Removal of Asphalt Pavement from Concrete Surfaces on Structures	m2 (P)	540		
137	0510-3532	Removal of Concrete Curb and Gutter	m (P)	290		
138	0510-4072 SP	Abandonment of Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers, Partial-Depth	each (P)	4		
139	0510-4076 SP	Abandonment of Pipes and Culverts	m (P)	14		
140	0510-4210	Removal of Pipes and Culverts	m (P)	30		
141	0510-5523	Removal of Cable Guide Rail	m (P)	456		
142	0510-5526	Removal of Anchor Blocks	each (P)	8		
143	0510-5528	Removal of Steel Beam Guide Rail	m (P)	206		
144	0511-0145	Rip-Rap	m2 (P)	122		
145	0511-0150	Geotextile	m2 (P)	172		
146	0703-0020	Small Signs, Ground Mounted, New	each (P)	2		
147	0703-0022 SP	Small Signs, Removal	each (P)	2		
148	0706-0013 SP	Portable Variable Message Sign (Temporary)	each (P)	2		

149	0706-0015 SP	Temporary Traffic Control Signs	lump sum	100 %		
150	0706-0045	Road Closing / Restriction Notice Signs (TC-64)	each (P)	23		
151	0710-0030 SP	Pavement Marking, Durable	m (P)	162		
152	0799-5505 SP	Temporary Transition Connection	each (P)	4		
153	9999-5024 SP	Communication Plan for Traffic Management	lump sum	100 %		
154	0721-0050 SP	Single Rail Steel Beam Guide Rail	m (P)	734		
155	0721-0060 SP	Single Rail Steel Beam Guide Rail with Channel	m (P)	84		
156	0732-0100 SP	Steel Beam Energy Attenuating Terminal System	each (P)	8		
157	0741-0020	Temporary Concrete Barrier	m (P)	385		
158	0802-0020	Topsoil from Stockpiles	m3	602		
159	0804-0052	Seed and Erosion Control Blanket	m2 (P)	12,033		
160	0805-0030 SP	Light-Duty Silt Fence Barriers	m (P)	1,446		
161	0805-0100 SP	Straw Bale Flow Check Dams	each (P)	5		

Structural-Part B (Flag Road - Site No. 31X-0203/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
162	0510-9010 SP	Removal of Bridge Structure	lump sum	100 %		
163	0510-9015 SP	Removal of Bridge Footings	m3	67		
164	0539-0040	Protection System	lump sum	100 %		
165	0899-0010 SP	Management and Disposal of Materials Containing Asbestos	lump sum	100 %		
166	0902-0010 SP	Earth Excavation for Structure	m3 (P)	2,460		
167	0902-0030 SP	Dewatering Structure Excavations	lump sum	100 %		
168	0904-0055	Concrete in Footings	m3 (P)	80.5		
169	0904-0085 SP	Concrete in Substructure	lump sum	100 %		
170	0904-0105 SP	Concrete in Deck	lump sum	100 %		
171	0904-0125	Concrete in Parapet Walls	lump sum	100 %		
172	0904-0135 SP	Concrete in Approach Slabs	lump sum	100 %		
173	0904-0145 SP	Concrete in Slope Paving	lump sum	100 %		
174	0905-0010	Reinforcing Steel Bar	lump sum	100 %		
175	0905-0025	Stainless Steel Reinforcing Bar	lump sum	100 %		
176	0908-0030	Parapet Wall Railing	m (P)	140		
177	0909-0231 SP	Prestressed Concrete Girders NU 1200 Fabrication	lump sum	100 %		
178	0909-0241 SP	Prestressed Concrete Girders NU 1200 Delivery	lump sum	100 %		
179	0909-0251 SP	Prestressed Concrete Girders NU 1200 Installation	lump sum	100 %		
180	0914-0011 SP	Bridge Deck Waterproofing	lump sum	100 %		
181	0914-0031 SP	Form and Fill Grooves	m (P)	76.00		
182	0914-0040	Membrane Reinforcement	m (P)	19.00		
183	0920-0010 SP	Deck Joint Assemblies, Installation	lump sum	100 %		
184	0922-0010	Bearings	lump sum	100 %		
185	0928-0055 SP	Access to Work Area, Work Platform and Scaffolding	lump sum	100 %		

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186	9999-0352 SP	Working Slab	lump sum	100 %		
187	9999-0468 SP	CSP for Integral Abutment	lump sum	100 %		
188	9999-9065 SP	Bird Nesting Preventative Measures	lump sum	100 %		
189	9999-9145 SP	Supply Equipment for Drilled-In Tube Piles	lump sum	100 %		
190	9999-9146 SP	Drilled-In Tube Piles	m	408		

Addendum 1-Part A (County Road 31 - Site No. 31X-0204/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
191	0913-0010	Embedded Work in Structure (Ministry)	lump sum	100 %		
192	0999-9310	Deck Drains	each (P)	2		
193	9999-9168 SP	Steel Pile Corrosion Assessment	lump sum	100 %		
194	9999-9169 SP	Pile Instrumentation and Monitoring System	lump sum	100 %		

Addendum 1-Part B (Flagg Road - Site No. 31X-0203/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
195	9999-9169 SP	Pile Instrumentation and Monitoring System	lump sum	100 %		

Addendum 2-Part A (County Road 31 - Site No. 31X-0204/B0)

Item	Spec. Code	Item Description	Unit	Quantity	Unit Price	Total
196	0416-0010 SP	Jacking and Boring	m (P)	49		

		Grand Total:				
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