



## Macon-Bibb County Government

Procurement Department

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Chauncey Wilmore  
Senior Procurement Officer

February 20, 2018  
ADDENDUM #2

To: ALL PROSPECTIVE FIRMS

Re: INVITATION FOR BIDS: **18-026-CW Jeffersonville Road Project**

**The Invitation for Bids, referenced above, is modified as follows:**

Attached Questions and Answers

Please incorporate this change into the Invitation for Bid and acknowledge receipt of this addendum on your bid form.

Sincerely,

*Chauncey K. Wilmore*

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Senior Procurement Officer

- Pay Item #30 Graded Aggregate Base has a quantity unit of M2. Should this unit be changed to MG? **Corrected. Revised Bid Cost Form attached.**
- Typical Sections for PI No 0351090 has a GAB thickness of 305mm. Typical Sections for PI No 342080 has a GAB thickness of 300mm. Will these two typical sections be revised to be the same thickness? **351090 Typical Sections corrected to show 300mm. Revised Typical Sections attached.**
- Who is responsible for Materials Testing, Owner or Contractor? **GDOT**
- Will the waterline subcontractor have to be a Macon Water Authority prequalified subcontractor (provide list) or will any GDOT subcontractor be allowed? **A GDOT Pre-Qualified Subcontractor with qualified experience in this type of construction is required.**
- In Addendum No 1, the attached soil survey does not make any reference to the fact that the entire existing roadway is concrete with an asphalt overlay. Are there any special requirements on demolition and removal of the existing concrete? **There are no special requirements for demolition and/or removal of the existing pavement.**
- Addendum No 1 states that the anticipated NTP is 3-1-18. Since the bid date is not until 3-8-18, what is the correct anticipated NTP date? **The anticipated NTP is Mar-Apr 2018.**
- Are you aware that the RRFB's are no longer approved by the FHWA and also have been taken off the GDOT QPL? What alternative would you want quoted for the RRFB? Example blinker signs or beacons have been approved by both FHWA and GDOT. **Solar Powered Flashing Beacon Assembly**
- Section 20 of the Instructions to Bidders states the County may award the project to multiple Bidders. This provision will greatly affect pricing for each section. Can the County please clarify definitively that this bid will be awarded to multiple bidders or as a single project? **Bid will be awarded as a single project.**
- Will Reference and Release forms for each subcontractor be required at the time of the bid or only by the low bidder? **The Reference and Release forms for each subcontractor is required to be submitted with the bid from all bidders.**
- Will the DBE Bid Opportunity list in the proposal be required at the time of the bid or only by the low bidder? **The DBE Bid Opportunity list is required to be submitted with the bid from all bidders.**
- Is the 11% DBE requirement calculated based on Total Contract Bid Cost excluding the additive water items? **Yes, the 11% DBE requirement will be based on the Total Contract Bid Cost excluding the additive water & sewer items.**
- Will a list of DBE Participants be required for each Contract Sub-Total or for the Total Contract Bid only? **Total Contract Bid only.**
- Attachment B Bid Cost Form states that Bidder Shall Complete the Attached Bid Cost Form in Excel Format. Is there an Excel file of the Bid Form available for Contractors use? **See attached.**
- Was is the anticipated date for Notice to Proceed? **Estimated March-April 2018.**
- Who is responsible for demolition of all the buildings and structures listed on the plans? **Demolitions were by separate contract and have already been completed.**
- SP 108.C.1 Prosecution and Progress requires that all work around Perennial and Intermittent Streams be complete by August 31, 2018. This project has a 120 day award clause which would leave only 30 days to complete said work. Even it contract time is shortened, much of the work, specifically the bridge, is in stage 2 and will not be completed until late 2019. Will this Special

Provision be revised? **Construction can begin under the Regional 404 Permit until it expires. In the meantime, a NWP 14 will be obtained prior to the expiration of the 404 permit so that construction in or near the designated streams can be completed. A new intermediate completion date will be established once the NWP 14 is obtained.**

- The bridge plans indicate there are 2 alternates for the bridge substructure. Plan sheet 35-003 shows the quantities for each alternate separately. However, the bid form has all of bid items for the bridge (base, alternate #1 & alternate #2) listed together with no separation between the alternates. Please clarify if we have to provide a bid price for both alternates, i.e. bid price for all bridge bid items, which means the owner will decide which alternate is built. Or if we only bid the bid items for the alternate we chose to build and “No Bid” the bid items for the other alternate. **Bid the bid items for the alternate you chose to build and “No Bid” the other alternate items.**
- BI # 690- 500-3002- Class AA Concrete (618 M3) contains the quantities for both the Alternate 1 & Alternate 2 designs. Considering that only 1 of the 2 alternates will be built, this item is overstated. Typically when alternates are shown, the bid items for each alternate are not combined but are listed separately. Therefore, please break this bid item into 2 separate bid items for each of the 2 alternates (1 section for Alt 1 and 1 section for Alt 2). **Bid items separated. See revised bid cost form attached.**
- BI # 710- 511-1000- Bar Reinf Steel (52,172 KG) contains the quantities for both the Alternate 1 & Alternate 2 designs. Considering that only 1 of the 2 alternates will be built, this item is overstated. Typically when alternates are shown, the bid items for each alternate are not combined but are listed separately. Therefore, please break this bid item into 2 separate bid items for each of the 2 alternates (1 section for Alt 1 and 1 section for Alt 2). **Bid items separated. See revised bid cost form attached.**
- Please clarify the scope for BI# 700- 501-2000- Structural Steel (2,605 KG). **The structural steel pay item is for the channels and plates required to carry the water main.**
- Pay Item #130 Class A Conc - 3 M3 is listed in the Summary of Quantities as an Erosion Control Item. Can you please clarify what this item will be used for? **The quantity has been corrected to 2 M3 and will be used along with the riprap at Structure #A3 due to the steep outfall slope.**
- Pay Item #135 Class A Conc, Incl Reinf Steel - 2 M3 is not listed in the Summary of Quantities. Can you please clarify what this item will be used for? **This quantity has been corrected to 8 M3 and is for the concrete inlet/outlet headwalls. See revised bid cost form attached.**
- The Summary of Quantities for Storm Drainage (PI#342080) requires Inlet/Outlet Headwalls (Built-In-Place) Class A Conc - 20 M3. There is not a Pay item for Class A Conc – 20 M3. Will a Pay Item be added for this work? **Bid item #135 revised to include this quantity. See revised bid cost form attached.**
- The Summary of Quantities (PI#342080) requires Temporary Barrier, Method No 1 – 50 LM1. There is not a Pay Item in section PI#342080 for Temporary Barrier Method No 1 – 50 LM1. Will a Pay Item be added for this work? **Bid item added. See revised bid cost form attached.**
- Pay Item #020 Foundation Backfill Material Tp II has a quantity of 70 M3. The Summary of Quantities for Storm Drainage does not show a quantity required for Foundation Backfill Tp II. Will the Summary of Quantities be updated or is this item intended for a different use Please clarify. **Summary of Quantities revised to show item for FBM TP II. See attached.**
- Construction plans require Header Curb Tp 2 in multiple locations throughout both project. There is not a pay item for Header Curb. Will an item be added for Header Curb? **The Pay Item Quantity for Conc Hdr Curb TP 2 is shown in the Bid Cost Form and SOQ for PI 342080. The Pay Item Quantity for Conc Hdr Curb TP 2 has been added to the Bid Cost Form and the SOQ for PI 351090. See attached Revised Bid Cost Form and Revised SOQ Sheet.**
- On PI #351090 Pay Items #845 and #850 are both listed as Concrete Sidewalk, 200mm. Should one of these be changed to Concrete Sidewalk, 100mm as listed in the Summary of Quantities? **The description for Pay Item #840 has been corrected to Concrete Sidewalk, 100 MM. See attached Revised Bid Cost Form.**

- Cross Sections for PI #351090 stop at Sta 1+840. Cross Sections for PI #342080 start at Sta 2+080. Are cross sections available for the gap area in between these stations? **A cross section was not created at Sta 1+860 due to the Equality in the alignment stationing between the projects. There is no gap between projects.**
- Pay Item #360-C/R Rip Rap Check Dams has a quantity of 95 ea. Pay Item #380-Maint of Check Dams has a quantity of 34 LM1. The maintenance is not enough to cover the installation amount. Can you verify that these quantities are correct and not reversed or otherwise wrong? **Revised quantity to 48 LM1. See Revised Bid Cost Form attached.**

The BFI/Soil Survey that was issued in Addendum #1 does not contain boring logs for the bridge site (BFI). Please provide. Boring logs for the bridge sited is included in the BFI. **The complete BFI Report with Boring Logs is attached.**

- What is the anticipated completion date for this project? **The estimated construction time is 36 months after NTP is given.**
  - The proposal and summary of quantities drawing (06-001) indicate 40 ea. lighting standards. The lighting plans (25-01 – 25-06) indicate 28 ea. lighting standards. Will the proposal be adjusted to reflect what is shown on the lighting plans? **The quantity on the Bid Cost Form has been revised to match the quantity on the lighting plans. See attached.**
  - Do you have a list of the possible Prime bidders? Thanks for your help. **No list of the possible Prime bidders is available.**
1. The pay item schedule is showing duplicated items for most pay items due to the two projects. Since these projects are being bid under one contract we request that all duplicated items be combined into like items without duplicates. **The project construction funds are authorized per P.I. #. Although the projects are being let under one contract, the construction invoicing will be per P.I. #.**
- For PI #342080, the bridge is eligible for steel diaphragms to be used in lieu of the concrete diaphragms. Is this acceptable? **As per section 3.9.1.1 of the Bridge and Structures Design Manual, steel diaphragms are allowed over waterways. Steel diaphragms must be galvanized and not painted.**
  - For PI #342080, sheet 04-001 mentions de-energizing the overhead Georgia Power transmission lines for the construction of the bridge. It says that Georgia Power can de-energize 2 of the lines for 5-7 days. Since this is a phased bridge, the lines would probably need to be de-energized at least six total times for driving pile, setting beams and pouring the bridge deck in each Phase. Is Georgia Power aware of this? **The contractor is responsible for coordination with Georgia Power.**
  - For PI #342080, the Staging Plan cross sections for Jeffersonville Rd Phase 2 do not match the typical sections. The staging plans indicate that much more of Jeffersonville Rd is mill & overlay instead of full depth replacement like the typical sections show. See Dwg 19-034, we are concerned that the Phase 1 construction might not be wide enough at STA 2+580 and STA 2+940 to 3+060 and temp pavement might be needed to give enough room for the full depth pavement replacement in Phase 2. **The Staging plans and cross section have been revised. Stage 1A has been added to level and widen existing eastbound lane prior to construction of Stage 1 to allow shifting of existing traffic. See attached.**
  - For PI #0351090, the typical sections show that Trinity Place, Wallace Rd, Magnolia Dr, Indian Circle and Sunnydale Dr get full depth pavement replacement. The Staging Plans, Stage 1 Dwg 19-001 only indicate that Trinity Place will be closed. Please confirm that Wallace Rd, Magnolia Dr, Indian Circle and Sunnydale Dr can also be closed for the full depth pavement construction. **The following roads can be closed, but not simultaneously: Magnolia Drive, Indian Circle, and Sunnydale Drive. Wallace Rd has not outlet and cannot be closed. Wallace Rd full-depth construction will be staged to allow ingress and egress.**

- For PI #0351090, the Water & Sewer Relocation Plans, Dwg 44-3, show 45 LF of 16" Steel casing open cut under the Ramp to Embry Hwy. The Staging Plans, Stage 1 Dwg 19-001, indicate that the Ramp is to be constructed under traffic. Should this casing be installed by jack & bore? **No, this casing will be installed by open cut as indicated in the plans.**
- There are several structures that the plans note 'building to be removed'. Please confirm if the bidder is expected to include the structure removal in their bid price. If so, please also confirm that any asbestos, if encountered, will be paid as extra work per GDOT subsection 109.05. **All structure labeled to be demolished in the plans have been completed under separate contract.**

I talked to the designer and he said the pdf's are to scale. If you are printing from Adobe use the following settings to print to scale:

For Half-Size (11x17) - select custom scale and set to 100%.

For Full-Size (34x22) – select custom scale and set to 200%.

L.I.N.	DOT Pay Item #	Item Description	Unit	Estimated Quantity	Unit Cost	Total Cost
<b>PI# 342080 - ROADWAY ITEMS</b>						
010	150-1000	TRAFFIC CONTROL - STP00-3223-00(004)	LS	1		
015	150-5010	TRAFFIC CONTROL, PORTABLE IMPACT ATTN	EA	1		
020	207-0203	FOUND BKFILL MATL, TP II	M3	70		
025	210-0100	GRADING COMPLETE - STP00-3223-00(004)	LS	1		
030	310-1101	GRADED AGGR BASE CRS, INCL MATL	MG	27600		
035	318-3000	AGGR SURF CRS	MG	400		
040	402-1812	RECYL AC LEVELING, INCL BM & HL	MG	900		
045	402-3130	RECYL AC 12.5 MM SP, GP 2 ONLY, INCL BM & HL	MG	3600		
050	402-3190	RECYL AC 19 MM SP, GP 1 OR 2, INCL BM & HL	MG	4100		
055	402-3250	RECYL AC 25 MM SP, GP 1 OR 2, INC BM & HL	MG	8200		
060	413-1000	BITUM TACK COAT	L	11300		
065	432-0206	MILL ASPH CONC PVMT, 40 MM DEPTH	M2	2000		
070	433-1000	REINF CONC APPROACH SLAB	M2	350		
075	441-0016	DIRIVEWAY CONCRETE, 150 MM THK	M2	130		
080	441-0018	DRIVEWAY CONCRETE , 200 MM THK	M2	210		
085	441-0104	CONC SIDEWALK, 100MM	M2	4600		

090	441-0108	CONC SIDEWALK, 200 MM	M2	1800		
095	441-0748	CONC MEDIAN, 150 MM	M2	50		
100	441-4020	CONC VALLEY GUTTER, 150 MM	M2	1600		
105	441-4030	CONC VALLEY GUTTER, 200 MM	M2	1000		
110	441-5002	CONC HEADER CURB, 150 MM, TP 2	LM1	350		
115	441-6222	CONC CRB & GTR, 200 MM X 750 MM, TP 2	LM1	3500		
120	446-1100	PVMT REF FAB STRIPS, TP2, 450 MM WIDTH	LM1	1907		
130	500-3101	CL A CONC	M3	2.00		
135	500-3800	CL A CONC, INCL REINF STEEL	M3	8.00		
140	500-3900	CL B CONC, INCL REINF STEEL	M3	3.00		
145	500-9999	CL B CONC, BASE OR PVMT WIDEN	M3	60		
150	550-1180	STM DR PIPE, 450 MM, H0.3-3 M	LM1	1600		
155	550-1240	STM DR PIPE, 600 MM, H0.3-3 M	LM1	400		
160	550-1300	STM DR PIPE, 750 MM, H0.3-3 M	LM1	170		
165	550-1360	STM DR PIPE, 900 MM, H0.3-3 M	LM1	450		
170	550-1420	STM DR PIPE, 1050 MM, H0.3-3 M	LM1	320		
175	550-1480	STM DR PIPE, 1200 MM, H0.3-3 M	LM1	40		
180	550-1600	STM DR PIPE, 1500 MM, H0.3-3 M	LM1	50		

185	550-2180	SIDE DR PIPE, 450 MM, H0.3-3 M	LM1	15		
190	550-3318	SAFETY END SECT 450 MM, STD, 4:1	EA	1		
195	550-4118	FLARED END SECT 450 MM, SIDE DRN	EA	2		
200	550-4218	FLARED END SECT 450 MM, STRM DRN	EA	2		
205	550-4224	FLARED END SECT 600 MM, STRM DRN	EA	4		
210	550-4230	FLARED END SECT 750 MM, STRM DRN	EA	1		
215	550-4236	FLARED END SECT 900 MM, STRM DRN	EA	1		
220	550-4242	FLARED END SECT 1050 MM, STRM DRN	EA	3		
225	603-2184	STN DUMPED RIP RAP, TP 3,750 MM	M2	170		
230	603-7000	PLASTIC FILTER FABRIC	M2	170		
235	611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	1		
240	611-3010	RECONSTR DROP INLET, GROUP 1	EA	3		
245	611-3030	RECONSTR STORM SEWER MANHOLE, TP 1	EA	1		
250	620-0100	PRECAST CONC MEDIAN BARRIER, METHOD 1	LM1	50		
255	634-1200	RIGHT OF WAY MARKERS	EA	148		
260	643-8200	BARRIER FENCE (ORANGE), 1.2 M	LM1	600		
265	641-1100	GUARDRAIL, TP T	LM1	25		



270	641-1200	GUARDRAIL, TP W	LM1	160		
275	641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	7		
280	641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	3		
285	668-1100	CATCH BASIN, GP 1	EA	63		
290	668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LM1	6		
295	668-1200	CATCH BASIN, GP 2	EA	5		
300	668-1210	CATCH BASIN, GP 2, ADDL DEPTH	LM1	3.5		
305	668-2100	DROP INLET, GP 1	EA	22		
310	668-2110	DROP INLET, GP 1, ADDL DEPTH	LM1	1.0		
315	668-2200	DROP INLET, GP 2	EA	1		
320	668-2210	DROP INLET, GP 2, ADDL DEPTH	LM1	1.0		
325	668-4300	STORM SEWER MANHOLE, TP 1	EA	10		
330	668-4311	STORM SEWER MANHOLE, TP 1, A DEP, CL 1	LM1	4		
335	668-4400	STROM SEWER MANHOLE, TP 2	EA	1		
340	668-4411	STORM SEWER MANHOLE, TP 2, A DEP, CL 1	LM1	2.5		
345	668-7018	DRAIN INLET, 450 MM	EA	7		
<b>PI# 342080 - EROSION CONTROL ITEMS</b>						
350	160-0232	TEMPORARY GRASSING	HA	3.00		
355	163-0240	MULCH	MG	75		

360	163-0300	CONSTRUCTION EXIT	EA	2		
365	163-0503	CONSTR AND REMOVE SILT CONTROL GATE TP 3	EA	3		
370	163-0527	CONSTR AND REMOVE RIP RAP CKDAM, RIP RAP/ SAND BAG	EA	95		
375	163-0550	CONST & REM INLET SEDIMENT TRAP	EA	96		
380	165-0010	MAINT OF TEMPORARY SILT FENCE, TP A	LM1	1850		
385	165-0030	MAINT OF TEMP SILT FENCE, TP C	LM1	600		
390	165-0041	MAINT OF CHECK DAMS - ALL TYPES	LM1	48		
395	165-0087	MAINT OF SILT CONTROL GATE, TP 3	EA	3		
400	165-0101	MAINT OF CONSTRUCTION EXIT	EA	2		
405	165-0105	MAINT OF INLET SEDIMENT TRAP	EA	96		
410	167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	4		
415	167-1500	WATER QUALITY INSPECTIONS	MO	24		
420	171-0010	TEMPORARY SILT FENCE, TYPE A	LM1	3700		
425	171-0030	TEMPORARY SILT FENCE, TYPE C	LM1	1200		
430	500-3101	CL A CONC	M3	2		
435	603-2024	STN DUMPED RIP RAP, TP 1, 600MM	M2	13		
440	603-7000	PLASTIC FILTER FABRIC	M2	13		

445	700-6910	PERMANENT GRASSING	HA	6		
450	700-7000	AGRICULTURAL LIME	MG	40		
455	700-8000	FERTILIZER MIXED GRADE	MG	10		
460	700-8100	FERTILIZER NITROGEN CONTENT	KG	330		
465	716-2000	EROSION CONTROL MATS, SLOPES	M2	4500		
<b>PI# 342080 - SIGNING AND MARKING ITEMS</b>						
470	636-1033	HWY SIGNS, TP1 MAT REFL SH TP 9	M2	13.4		
475	636-1036	HWY SIGNS, TP1 MAT REFL SH TP 11	M2	23.0		
480	636-2070	GALV STELL POSTS, TP 7	LM1	20		
485	636-2080	GALV STELL POSTS, TP 8	LM1	95		
490	653-0120	THERM PVMT MARK, ARROW, TP 2	EA	36		
495	653-0130	THERM PVMT MARK, ARROW, TP 3	EA	2		
500	653-0210	THERM PVMT MARK, WORD, TP 1	EA	4		
505	653-1501	THERM SLD TRF STIPE, 125 MM, WHITE	LM1	8868		
510	653-1502	THERM SLD TRF STIPE, 125 MM, YELLOW	LM1	8816		
515	653-1704	THERM SLD TRF STIPE, 600 MM, WHITE	LM1	91		
520	653-1804	THERM SLD TRF STIPE, 200 MM, WHITE	LM1	1283		

525	653-3501	THERM SKIP TRF STIPE, 125 MM, WHITE	GLM1	2734		
530	653-3502	THERM SKIP TRF STIPE, 125 MM, YELLOW	GLM1	1535		
535	653-6004	THERM TRF STRIPING, WHITE	M2	2326		
540	653-6006	THERM TRF STIPING, YELLOW	M2	1728		
545	654-1001	RAISED PVMT MARKERS TP 1	EA	297		
550	654-1003	RAISED PVMT MARKERS TP 3	EA	272		
555	657-1085	PRF PL SLD PVMT MKG, 200 MM, B/W, TP PB	LM1	200		
560	657-3085	PRF PL SKIP PVMT MKG, 200 MM, B/W, TP PB	GLM1	200		
565	657-3086	PRF PL SKIP PVMT MKG, 200 MM, B/Y, TP PB	GLM1	200		
570	657-6085	PRF PL SLD PVMT MKG, 200 MM, B/Y, TP PB	LM1	200		
<b>PI# 342080 - TRAFFIC SIGNAL ITEMS</b>						
575	636-1045	HWY SIGNS, TP2 MAT REFL SH TP 11	M2	5.1		
580	636-2002	STEEL WIRE STRND CABLE, 9.53 MM	LM1	190		
585	639-4003	STRAIN POLE, TP III	EA	6		
590	639-4004	PRESTRESSED CONC STR POLE, TP- IV	EA	3		
595	647-1000	TRAF SIGNAL INSTALLATION NO 1 - MILLERFIELD RD	LS	1		
600	682-6233	CONDUIT, NONMETAL, TP 3, 50 MM	LM1	90		

605	682-9950	DIRECTIONAL BORE - 75 MM	LM1	70		
610	682-9950	DIRECTIONAL BORE - 125 MM	LM1	20		
615	687-1000	TRAFFIC SIGNAL TIMING - SIGNAL TIMING @ MILLERFIELD RD	LS	1		
620	926-0000	SEC 926 - WIRELESS COMMUNICATION EQUIP	LS	1		
625	999-5100	SOLAR POWERED FLASHING ASSEMBLY	EA	1		
<b>PI# 342080 - LIGHTING ITEMS</b>						
630	681-4453	LT STD, 13.7 M MH, 3.7 M ARM	EA	71		
635	681-6318	LUMINAIRE, TP 3, 150W LED	EA	71		
640	682-3424	MULT CD CBL, TP RHW, 2-#2-1-#4	LM1	976		
645	682-3446	MULT CD CBL, TP RHW, 2-#4-1-#6	LM1	3900		
650	682-1511	CABLE, TP RHH/RHW, AWG NO 1/0	LM1	65		
655	682-6120	CONDUIT, RIGID, 50 MM	LM1	22		
660	682-6222	CONDUIT, NONMETAL, TP 2, 50 MM	LM1	278		
665	682-8500	ELECTRIC POWER SERVICE POINT ASSEMBLY (AERIAL SERVICE POINT)	EA	1		
670	682-9021	ELEC JCT BX, CONC GRD MOUNTED	EA	6		
675	682-9023	ELEC JCT BX, GALVANIZED, 300MM X 250MM X 200MM	EA	4		

680	682-9950	DIRECTIONAL BORE - 100 MM	LM1	805		
<b>PI# 342080 - LANDSCAPE ITEMS</b>						
685	702-0425	ILEX OPACA CROONENBERG - 'MISS HELEN' - (AMERICAN HOLLY)	EA	9		
690	702-0886	QUERCUS LYRATA - OVERCUP OAK	EA	125		
695	702-9025	LANDSCAPE MULCH	M2	167		
<b>PI# 342080 SUB-TOTAL CONTRACT BID COST:</b>						
<b>PI# 351095 - BRIDGE NO. 1 ITEMS</b>						
700	500-0100	GROOVED CONCRETE	M2	1674		
705	500-1006	SUPERSTR CONCRETE, CL AA, BRIDGE NO - 1 (750)	LS	1		
710	501-2000	STRUCTURAL STEEL	KG	2605		
715	507-9030	PCS BEAMS, AASHTO, BULB TEE, 1370 MM, NO - 1	BR LM1	913		
720	511-3000	SPUERSTR REINF STEEL, BR NO - 1 (78333)	LS	1		
725	516-1100	ALUM HANDRAIL, STD 3626	LM1	182		
730	520-1147	PILING IN PLACE, STEEL H, HP 360 X 108	LM1	235		
735	520-4147	LOAD TEST, STEEL H, HP 360 X 108	EA	1		
740	520-5000	PILOT HOLES	LM1	127		

745	540-1101	REMOVAL OF EXISTING BR, STA 2+180	LS	1		
750	603-2024	STN DUMPED RIP RAP, TP 1 600 MM	M2	930		
755	603-7000	PLASTIC FILTER FABRIC	M2	930		
760	620-0100	PRECAST CONC MEDIAN BARRIER, METHOD 1	M	254		
765	211-0300	BRIDGE EXCAV, STREAM CROSSING - ALT 1	M3	1120		
770	500-3002	CLASS AA CONCRETE - ALT 1	M3	397		
775	500-3700	SEAL CONC - ALT 1	M3	397		
780	511-1000	BAR REINF STEEL - ALT 1	KG	35963		
785	525-1000	COFFERDAM - ALT 1	EA	8		
790	500-3002	CLASS AA CONCRETE - ALT 2	M3	221		
795	511-1000	BAR REINF STEEL - ALT 2	KG	16209		
800	524-0010	DRILLED CAISSON - 1500 MM - ALT 2	LM1	74		
<b>PI# 351095 SUB-TOTAL CONTRACT BID COST:</b>						
<b>PI# 351090 - ROADWAY ITEMS</b>						
805	150-1000	TRAFFIC CONTROL - 1 - STP00-3223-00(004)	LS	1		
810	150-5010	TRAFFIC CONTROL, PORTABLE IMPACT ATTN	EA	1		
815	207-0203	FOUNF BKFILL MATL, TP II	M3	100		

820	210-0100	GRADING COMPLETE - 1 - STP00-3223-00(004)	LS	1		
825	310-1101	GRADED AGGR BASE CRS, INCL MATL	MG	11500		
830	318-3000	AGGR SURF CRS	MG	631		
835	402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	MG	330		
840	402-3130	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, ONLY, INCL BITUM MATL & H LIME	GP 2 MG	1900		
845	402-3190	RECYCLED ASPH CONC 19 MM SUPERPAVE, OR 2, INCL BITUM MATL & H LIME	GP 1 MG	1700		
850	402-3250	RECYCLED ASPH CONC 25 MM SUPERPAVE, OR 2, INCL BITUM MATL & H LIME	GP 1 MG	3450		
855	413-1000	BITUM TACK COAT	L	10600		
860	432.0206	MILL ASPH CONC PVMT, 40 MM DEPTH	M2	4000		
865	441-0016	DRIVEWAY CONCRETE, 150 MM THK	M2	300		
870	441-0018	DRIVEWAY CONCRETE, 200 MM THK	M2	25		
875	441-0020	CONC VALLEY GUTTER, 100 MM	M2	2400		
880	441-0104	CONC SIDEWALK, 100 MM	M2	730		
885	441-0108	CONC SIDEWALK, 200 MM	M2	730		
890	441-0748	CONCRETE MEDIAN, 150 MM	M2	280		
895	441-4030	CONC VALLEY GUTTER, 200 MM	M2	270		
900	441-5002	CONC HEADER CURB, 150 MM, TP 2	LM1	180		



905	441-6222	CONC CURB & GUTTER, 200 MM X 750 MM, TP 2	LM1	1720		
910	441-6720	CONC CURB & GUTTER, 150 MM X 750 MM, TP 7	LM1	160		
915	446-1100	PAVEMENT REINF FABRIC STRIPS, TP 2, MM WIDTH	LM1	925		
920	500-3800	CLASS A CONC, INCL REINF STEEL	M3	20		
925	500-3900	CLASS B CONC, INCL REINF STEEL	M3	15		
930	500-9999	CLASS B CONC, BASE OR PVMT WIDENING	M3	60		
935	550-1180	STORM DRAIN PIPE, 450 MM, H0.3-3 M	LM1	850		
940	550-1240	STORM DRAIN PIPE, 600 MM, H0.3-3 M	LM1	200		
945	550-1300	STORM DRAIN PIPE, 750 MM, H0.3-3 M	LM1	170		
950	550-1360	STORM DRAIN PIPE, 900 MM, H0.3-3 M	LM1	140		
955	550-1480	STORM DRAIN PIPE, 1200 MM, H0.3-3 M	LM1	10		
960	550-1600	STORM DRAIN PIPE, 1500 MM, H0.3-3 M	LM1	45		
965	550-1601	STORM DRAIN PIPE, 1500 MM, H0.3-4.5 M	LM1	85		
970	550-2180	SIDE DRAIN PIPE, 450 MM, H0.3-3 M	LM1	15		
975	550-4118	FLARED END SECTION, 450 MM, SIDE DRAIN	EA	4		
980	603-2184	STN DUMPED RIP RAP, TP 3, 750 MM	M2	40		
985	603-7000	PLASTIC FILTER FABRIC	M2	40		
990	611-3030	REC STORM SEW MANHOLE, TP 1	EA	2		

995	611-3100	RECONSTR JUNCTION BOX	EA	0		
1000	611-8000	ADJUST CATCH BASIN TO GRADE	EA	1		
1005	620-0100	TEMP BARRIER, METHOD NO. 1	LM1	50		
1010	634-1200	RIGHT OF WAY MARKERS	EA	42		
1015	643-8200	BARRIER FENCE, (ORANGE) 1.2 M	LM1	575		
1020	668-1100	CATCH BASIN, GP 1	EA	24		
1025	668-1110	CATCH BASIN, GP 1, ADDL DEPTH	LM1	5.3		
1030	668-1200	CATCH BASIN, GP 2	EA	1		
1035	668-1210	CATCH BASIN, GP 2, ADDL DEPTH	LM1	1.7		
1040	668-2100	DROP INLET, GP 1	EA	14		
1045	668-2110	DROP INLET, GP 1, ADDL DEPTH	LM1	0.9		
1050	668-4300	STORM SEWER MANHOLE, TP 1	EA	2		
1055	668-4311	STORM SEWER MANHOLE, TP 1, ADDITIONAL DEPTH	LM1	1		
1060	668-4400	STORM SEWER MANHOLE, TP 2	EA	1		
1065	668-4411	STORM SEWER MANHOLE, TP 2, ADDITIONAL DEPTH	LM1	4		
1070	668-7018	DRAIN INLET, 450 MM	EA	3		
<b>PI# 351090 - EROSION CONTROL ITEMS</b>						
1075	163-0232	TEMPORARY GRASSING	HA	1.49		

1080	163-0240	MULCH	MG	89		
1085	163-0300	CONSTRUCTION EXIT	EA	5		
1090	163-0502	CONSTR AND REMOVE SILT CONTROL GATE, TP 2	EA	2		
1095	163-0503	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	EA	1		
1100	163-0527	CONSTRUCT AND REMOVERIP RAP CHECK DAM - STN P RIPRAP/SN BG	EA	15		
1105	163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	40		
1110	165-0010	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	LM1	650		
1115	165-0030	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	LM1	400		
1120	165-0041	MAINTENANCE OF CHECK DAMS - ALL TYPES	LM1	46		
1125	165-0086	MAINTENANCE OF SILT CONTROL GATE, TP 2	EA	2		
1130	165-0087	MAINTENANCE OF SILT CONTROL GATE, TP 3	EA	1		
1135	165-0101	MAINTENANCE OF CONST EXIT	EA	5		
1140	165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	40		
1145	167-1000	WATER QUALITY MONITORING AND SAMPLING	EA	2		
1150	167-1500	WATER QUALITY INSPECTIONS	MO	24		
1155	171-0010	TEMPORARY SILT FENCE, TYPE A	LM1	1300		
1160	171-0030	TEMPORARY SILT FENCE, TYPE C	LM1	800		

1165	700-6910	PERMANENT GRASSING	HA	2.99		
1170	700-7000	AGRICULTURAL LIME	MG	20		
1175	700-8000	FERTILIZER MIXED GRADE	MG	6		
1180	700-8100	FERTILIZER NITROGEN CONTENT	KG	168		
1185	716-2000	EROSION CONTROL MATS, SLOPES	M2	3245		
<b>PI# 351090 - SIGNING AND MARKING ITEMS</b>						
1190	636-1033	HWY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	M2	11		
1195	636-1036	HWY SIGNS, TP 1 MAT, REFL SHEETING, TP 11	M2	11.4		
1200	636-2070	GALV STEEL POSTS, TP 7	LM1	16		
1205	636-2080	GALV STEEL POSTS, TP 8	LM1	67		
1210	653-0110	THERM PVMT MARKING, ARROW, TP 1	EA	3		
1215	653-0120	THERM PVMT MARKING, ARROW, TP 2	EA	15		
1220	653-0210	THERM PVMT MARKING, WORD, TP 1	EA	6		
1225	653-1501	THERM SLD TRF STRIPE, 125 MM, WHITE	LM1	2438		
1230	653-1502	THERM SLD TRF STRIPE, 125 MM, YELLOW	LM1	1639		
1235	653-1704	THERM SLD TRF STRIPE, 600 MM, WHITE	LM1	57		
1240	653-1804	THERM SLD TRF STRIPE, 600 MM, YELLOW	LM1	820		
1245	653-3501	THERM SKIP TRAF STRIPE, 125 MM, WHITE	GLM1	1656		

1250	653-3502	THERM SKIP TRAF STRIPE, 125 MM,YELLOW	GLM1	1228		
1255	653-6004	THERM TRAF STRIPING, WHITE	M2	110		
1260	653-6006	THERM TRAF STRIPING, YELLOW	M2	145		
1265	654-1001	RAISED PVMT MARKERS TP 1	EA	69		
1270	654-1003	RAISED PVMT MARKERS TP 3	EA	139		
<b>PI# 351090 - TRAFFIC SIGNAL ITEMS</b>						
1275	636-1045	HWY SIGNS, TP 2 MAT, REFL SHEETING, TP 11	M2	6.3		
1280	639-2002	STEEL WIRE STRAND CABLE, 9.53 MM	LM1	53.0		
1285	639-4004	PRESTRESSED CONC STR POLE, TP- IV	EA	6		
1290	647-1000	TRAF SIGNAL INSTALLATION NO 1 - EMERY HWY	LS	1		
1295	682-1408	CABLE, TP XHHW,AWG NO 2	LM1	31		
1300	682-6222	CONDUIT, NONMETL, TP 2, 50 MM	LM1	29		
1305	682-6233	CONDUIT, NONMETL, TP 3, 50 MM	LM1	50		
1310	687-1000	TRAF SIGNAL TIMING - SIGNAL TIMING @ EMERY HWY	LS	1		
1315	926-0000	SEC 926 - WIRELESS COMMUNICATION EQUIP	LS	1		
1320	935-1513	OUT PLNT FIBER OPT CBL, DROP, SM 24 FIBER	LM1	27		
1325	999-5100	SOLAR POWERED FLASHING ASSEMBLY	EA	1		
<b>PI# 351090 - LIGHTING ITEMS</b>						

1330	681-4453	LT STD, 13.7 M MH, 3.7 M ARM	EA	28		
1335	681-6318	LUMINAIRE, TP 3, 150 W, LED	EA	28		
1340	682-1509	CABLE, TP RHH/RHW, AWG NO 2	LM1	61		
1345	682-3468	MULT CD CBL, TP RHW, 2-#6-1-#8	LM1	1812		
1350	682-6120	CONDUIT, RIGID, 50 MM	LM1	20		
1355	682-8500	ELECTRIC POWER SERVICE POINT ASSEMBLY (AERIAL SERVICE POINT)	EA	1		
1360	682-9021	ELEC JCT BX, CONC GRD MOUNTED	EA	1		
1365	682-9950	DIRECTIONAL BORE - 100 MM	LM1	333		
<b>PI# 351090 - LANDSCAPE ITEMS</b>						
1370	702-0159	CHIONANTHUS VIRGINICUS - WHITE FRINGTREE	EA	4		
1375	702-0030	ACER RUBRUM - RED MAPLE	EA	1		
1380	702-0180	CORNUS FLORIDA - DOGWOOD	EA	2		
1385	702-0425	ILEX OPOACA CROONENBERG - AMERICAN HOLLY	EA	9		
1390	702-0520	JUNIPERUS VIRGINIANA - RED CEDAR	EA	3		
1395	702-0785	PINUS TAEDA - LOBLOLLY PINE	EA	1		
1400	702-0886	QUERCUS LYRATA - OVERCUP OAK	EA	38		
1405	702-9025	LANDSCAPE MULCH	M2	84		

<b>PI# 0004638 SUB-TOTAL CONTRACT BID COST:</b>		
	<b>TOTAL CONTRACT BID COST:</b>	

\_\_\_\_\_  
 (Signature)

\_\_\_\_\_  
 (Printed Name)

This \_\_\_\_\_ day of \_\_\_\_\_, 2017

**ADDITIVE ITEMS:**

L.I.N.	DOT Pay Item #	Item Description	Unit	Estimated Quantity	Unit Cost
<b>PI# 342080 - WATER &amp; SEWER ITEMS</b>					
1410	600-0001	FLOWABLE FILL	M3	342	
1415	660-0008	SAN SEWER PIPE, 200 MM, PVC	LM1	102	
1420	660-1150	CUT & PLUG EXIST SEWER MAIN	EA	2	
1425	660-2042	SEWER LATERAL, 100 MM	LM1	183	
1430	660-2043	SEWER LATERAL, 150 MM	LM1	183	
1435	668-3300	SAN SEW MANHOLE, TP 1	EA	5	
1440	668-3311	SAN SEW MANHOLE, TP 1, ADDL DEPTH, CL 1	LM1	1.2	
1445	670-1030	WATER MAIN, 75 MM	LM1	6	
1450	670-1060	WATER MAIN, 150 MM	LM1	406	
1455	670-1120	WATER MAIN, 300 MM	LM1	883	
1460	670-1160	WATER MAIN, 400 MM	LM1	1259	
1465	670-1600	CUT & PLUG EXIST WATER MAIN	EA	14	
1470	670-2060	GATE VALVE, 150 MM	EA	18	
1475	670-2080	GATE VALVE, 200 MM	EA	4	
1480	670-2120	GATE VALVE, 300 MM	EA	21	



1485	670-2160	GATE VALVE, 400 MM	EA	23	
1490	670-2700	ABANDONMENT OF WATER VALVES	EA	20	
1495	670-4000	FIRE HYDRANT	EA	21	
1500	670-5010	WATER SERVICE LINE, 25 MM	LM1	76	
1505	670-5015	WATER SERVICE LINE, 38 MM	LM1	15	
1510	670-5020	WATER SERVICE LINE, 50 MM	LM1	46	
1515	670-5622	WATER SERVICE LINE, 18 MM	LM1	1219	
1520	670-9245	STEEL CASING, 300 MM	LM1	139	
1525	670-9255	STEEL CASING, 400 MM	LM1	19	
1530	670-9260	STEEL CASING, 450 MM	LM1	92	
1535	670-9275	STEEL CASING, 600 MM	LM1	55	
1540	670-9730	RELOCATE EXIST WATER METER, INC BOX	EA	67	
1545	670-9920	REMOVE EXIST FIRE HYDRANT	EA	8	
<b>PI# 342080 SUB-TOTAL <u>ADDITIVE</u> BID COST:</b>					

L.I.N.	DOT Pay Item #	Item Description	Unit	Estimated Quantity	Unit Cost
<b>PI# 351090 - WATER &amp; SEWER ITEMS</b>					
1550	600-0001	FLOWABLE FILL	M3	86	

1555	615-1000	JACK OR BORE PIPE - 600 MM	LM1	29	
1560	660-0008	SAN SEWER PIPE, 200 MM, PVC	LM1	51	
1565	660-1150	CUT & PLUG EXIST SEWER MAIN	EA	1	
1570	660-2042	SEWER LATERAL, 100 MM	LM1	60	
1575	660-2043	SEWER LATERAL, 150 MM	LM1	60	
1580	660-3275	ABANDONED MANHOLE	EA	2	
1585	668-3300	SAN SEWER MANHOLE, TP 1	EA	2	
1590	668-3311	SS MANHOLE, TP 1,A DEPTH, CL 1	LM1	1	
1595	670-1060	WATER MAIN, 150 MM	LM1	181	
1600	670-1080	WATER MAIN, 200 MM	LM1	41	
1605	670-1160	WATER MAIN, 400 MM	LM1	887	
1610	670-1600	CUT & PLUG EXIST WATER MAIN	EA	3	
1615	670-2060	GATE VALVE, 150 MM	EA	7	
1620	670-2080	GATE VALVE, 200 MM	EA	4	
1625	670-2120	GATE VALVE, 300 MM	EA	1	
1630	670-2160	GATE VALVE, 400 MM	EA	15	
1635	670-2700	ABANDONMENT OF WATER VALVES	EA	5	
1640	670-3212	TAPPING SLV/VALVE ASMBLY, 500 MM X 400 MM	EA	1	
1645	670-4000	FIRE HYDRANT	EA	10	
1650	670-5622	WATER SERVICE LINE, 18 MM	LM1	305	

1655	670-9245	STEEL CASING, 300 MM	LM1	60	
1660	670-9255	STEEL CASING, 400 MM	LM1	22	
1665	670-9275	STEEL CASING, 600 MM	LM1	29	
1670	670-9730	RELOCATE EXIST WATER METER, INC BOX	EA	28	
1675	670-9920	REMOVE EXIST FIRE HYDRANT	EA	3	

<b>PI# 351090 SUB-TOTAL <u>ADDITIVE</u> BID COST:</b>					
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	<b>TOTAL ADDITIVE BID COST:</b>	
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\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

This \_\_\_\_\_ day of \_\_\_\_\_, 2017.