ADDENDUM NO. 1

September 26, 2019

ST. CHARLES COUNTY

ROUTE 364 AT GUTERMUTH ROAD
INTERCHANGE
STP-7302(669)
J6P3350

This Addendum No. 1 modifies original issued bid documents as follows:

1. MODIFICATIONS TO THE PROJECT PLANS SHEETS:

a) Replace Page "ITS QUANTITIES SHEET 1 OF 1" with "ITS QUANTITIES SHEET 1 OF 1 ADDENDUM 1".
b) Replace Page "ITS SHEET 2 OF 3" with "ITS SHEET 2 OF 3 ADDENDUM 1".
c) Replace Page "ITS SHEET 3 OF 3" with "ITS SHEET 3 OF 3 ADDENDUM 1".

2. MODIFICATIONS TO THE PROJECT BID SPECIFICATIONS:

a) Replace pages Itemized Bid form pages "1 of 3" thru "3 of 3" of the Project Specifications with pages "Addendum 1 – Itemized Bid Sheet Page 1 of 5" thru "Addendum 1 – Itemized Bid Sheet Page 5 of 5"

b) Replacement Page "Addendum 1 - Itemized Bid Sheet Page 2 of 5" adds the following bid items:

6273000 *	As-Built Drawings	1.0 LUMP SUM
8031000A **	Sodding	350 SQUARE YARDS
8065000 ***	Temporary Seeding	10.0 ACRE
JSP-NN ****	On the Job Training Hours	1,000 HOURS

* Pay item added to cover the contractor's costs for producing as-built drawings for the project.
** Sod to be installed at Ramp 4, between STA 4+00 to 4+75 RT +/- at Parcel 10.
*** Temporary seed will be installed at the Engineer's discretion.
**** Pay item added to cover the reimbursable costs, at $10.00 per hour for on the job training per JSP-NN.

c) Replacement Page "Addendum 1 - Itemized Bid Sheet Page 4 of 5" modifies the following bid item quantity:

9104503 # Conduit 3" Structure
400.0 LINEAR FEET to 550.0 LINEAR FEET

The 120 linear feet of Conduit 3" Structure shown on the B-Sheets to be installed on the Westbound Route 364 bridge is being deleted since this work will be paid under the Bridge Item "Conduit System On Structure." The 275 linear feet of Conduit 3" Structure shown on the B-Sheets to be installed on the Gutermuth Bridge over Route 364 is being increased to 550 linear feet since two 3" conduits will need to be mounted to the bridge per Lighting Wiring Diagram on Plan Sheet 131.

d) Replacement Page "Addendum 1 - Itemized Bid Sheet Page 5 of 5" modifies the following bid item quantities:

9109903 ## Fiber Optic Cable, 72 Strand, Single Mode
1,810.0 LINEAR FEET to 1,080.0 LINEAR FEET
9109903 ### Fiber Optic Cable, 24 Strand, Single Mode
2,100.0 LINEAR FEET to 1,310.0 LINEAR FEET

Modifies pay quantities per "ITS QUANTITIES SHEET 1 OF 1 ADDENDUM 1"
Modifies pay quantities per "ITS QUANTITIES SHEET 1 OF 1 ADDENDUM 1"

e) Replacement Page "Addendum 1 - Itemized Bid Sheet Page 5 of 5" adds the following bid item:

9109903 #### Vertical Mounting Arm on Existing DMS 1.0 EACH

Pay item added to cover the costs for installing a Vertical Mounting Arm to the existing DMS near STA 504+20 RT +/- for the relocated CCTV.

f) Add "TRUCK APRON STAINED 9" NRPCC" to the Job Special Provisions, as follows:

"TRUCK APRON STAINED 9" NRPCC

1.0 Description. This work shall consist of pigmenting and texturing the concrete to give the appearance of brick pavers for the truck apron.

2.0 Materials. The Manufacturer shall submit to the Engineer, setting forth the brand name, designation (if any), composition and general description of the material to be used in the process of pigmenting. The manufacturer shall submit typical amounts of material to be used in the mixing of the concrete.

2.1 Pigment shall be a medium to dark red color and shall be free from oil, grease, dirt and nonferrous particles and shall cause no deleterious effects to the concrete mix. The manufacturer shall guarantee that all materials used in the pigmenting process will have no

deleterious effects on the strength and overall integrity of the concrete.

3.0 Sample. A minimum of two working days prior to the placement of the pigmented textured concrete, the Contractor shall submit a sample pavement section to the Engineer. The sample shall be constructed using the identical process for pigmenting and texturing the permanent pavement. If, in the opinion of the Engineer, changes need to be made to the texturing or color, a new sample shall be submitted before final approval can be given. The minimum size sample shall be 4 feet by 4 feet.

4.0 Texturing. After surface irregularities have been removed, the concrete shall be given a uniform surface finish to give the appearance of brick pavers. The method by which the surface is textured is left to the discretion of the Contractor. A stamp or roller device is preferred to maintain consistency. Hand texturing will be permitted in irregular areas where, in the opinion of the Engineer, a stamp or roller device would no longer be beneficial or would not give a satisfactory appearance to the surface of the concrete. Prior to placing the concrete, the Contractor and Engineer shall review all perceived areas where hand texturing may be necessary. The Engineer shall make all efforts to minimize the amount of area to be hand textured.

5.0 Construction Requirements. This work shall be done in accordance with the requirements of Section 502.

6.0 Method of Measurement. Concrete areas shall be computed to the nearest 1/10 square yard.

7.0 Basis of Payment. Payment for the above described work including all materials, equipment, labor and any other incidental work necessary to complete the item shall be considered as completely covered in pay items:

5029905, TRUCK APRON STAINED 9" NRPCC, per square yard"

g) Add "JOINT SEALING FOR 8" NRPCC AND ADJACENT CURBS" to the Job Special Provisions, as follows:

"JOINT SEALING FOR 8" NRPCC AND ADJACENT CURBS

All of the 8" NRPCC and adjacent curb joints shall be saw cut with an ¼" inch width saw blade. The sawed contraction joints and sawed or formed expansion joints shall be sealed with joint sealing material before the pavement is opened to traffic, including construction traffic, and as soon after completion of a minimum curing period of 72 hours providing vehicles are not placed on the pavement when performing the sealing operation. Immediately prior to sealing, the joints shall be thoroughly cleaned and dried. The sealing material shall be heated to the pouring temperature recommended by the manufacturer. Any material that has been heated above the maximum safe heating temperature will be rejected. The sealing mixture material shall be installed in such a way as to fill the joint opening completely and uniformly from the bottom to approximately 1/8 inch from the top, and any excess material shall be removed from the

pavement surface. Sawed joints in vertical curb shall be sealed with caulking approved by the engineer."

h) Add "AS-BUILT" DRAWINGS" to the Job Special Provisions, as follows:

"AS-BUILT DRAWINGS

1.0 Definition. This work shall consist of providing "as-built" drawings of the project following completion of the work.

2.0 Requirements. The contractor shall maintain a record set of drawings at the site and mark thereon any changes as the work proceeds. "As-built" drawings shall indicate the vertical and horizontal location of improvements in plan and profile view.

2.1 The "as-built" drawings shall included the as constructed location and elevation of the roadway centerline, location of the curb or edge of pavement and the location and elevation of all storm and sanitary sewer structures constructed as part of the project.

2.2 Upon completion of the work, these "as-built" changes shall be transferred, with changes clearly identified, onto blueprint drawings which will be furnished to the County. The "as-built" drawings shall be certified by a Land Surveyor or Engineer registered in the State of Missouri. The drawings shall be submitted on paper and in electronic format.

3.0 Basis of Payment. The payment for "as-built" drawings shall be on a lump sum basis when specified as a pay item on the bid form."

3. MODIFICATIONS TO THE STANDARD SPECIFICATIONS:

a) Replace Section 803 "SODDING" in the Standard Specifications, as follows:

"SECTION 803

SODDING

803.1 Description. This work shall consist of preparing the areas for sodding and placing approved live sod. The entire area designated for sodding shall be covered with sod.

803.2 Materials. Unless otherwise specified in the contract, the sod shall be turf type tall fescue, densely rooted and robust. The sod shall contain a growth of not more than 25 percent of other grasses and clovers, and be free of all weeds. The sod shall be cut in strips of uniform thickness with each strip containing at least 1/3 sq. yd. and not more than one square yard. Sod shall be cut into strips, not less than 12 in. in width or more than 9 ft. in length. At the time of sod lifting, the top growth shall not exceed 3 in. in length. The thickness of the sod shall be determined by stacking ten pieces alternately with the soil of the first piece on the bottom. The height of the stack, without

compression, shall exceed 11 in. and the thickness of the soil portion of each piece shall be not less than 3/4 in. All sod shall conform to the laws of Missouri and shall be obtained from sources meeting the approval of the Department of Agriculture, Plant Industries Division.

803.3 Construction Requirements.

803.3.1 Sod shall not be placed during a drought nor during the period from June 1 to September 1 unless authorized by the engineer and shall not be placed on frozen ground. No dry or frozen sod shall be used.

803.3.2 The sodbed shall be prepared, limed, and fertilized in accordance with Sec 801. The bed shall be in a firm but uncompacted condition with a relatively fine texture at the time of sodding. Sod shall be moist and shall be placed on a moist earth bed. Sod strips shall be laid along contour lines, by hand, commencing at the base of the area to be sodded and working upward. The transverse joints of sod strips shall be broken, and the sod carefully laid to produce tight joints. The sod shall be firmed, watered, and refirmed immediately after it is placed. The firming shall be accomplished by use of a lawn roller or tamper. On slopes steeper than 3:1 and in ditches and on ditch slopes, the sod shall be pegged with wood pegs approximately 1/2 in. square x 12 in. in length driven into the ground, leaving about 1/2 in. of the peg above sod, and spaced not more than 2 ft. apart. Pegging of sod shall be done immediately after the sod has been firmed. When sodding is completed, the sodded areas shall be cleared of loose sod, excess soil, or other foreign material, and a thin application of topsoil shall be scattered over the sod as a top dressing, and the areas thoroughly moistened.

803.3.3 The contractor shall keep all sodded areas thoroughly moist for 21 days after laying. If the Contractor is authorized to install sod during the period from June 1 to September 1, an additional watering period may be required by the engineer at his sole discretion. The sod shall be living at the time of acceptance.

803.4 Method of Measurement. Measurement will be made to the nearest square yard of approved sodded surface area. Disturbed areas outside of authorized construction limits shall be sodded at the Contractor's sole expense.

803.5 Basis of Payment. The accepted quantities of sodding will be paid for at the unit price for each of the pay items included in the contract. No direct payment will be made for watering, pegging, liming, or fertilizing sodded areas."

4. ANSWERS TO CONTRACTOR QUESTIONS FOR CLARIFICATION:

Q. What color should item number 5029905, Truck Apron Stained 9" NRPCC be stained?
A. This addendum adds the Job Special Provision "TRUCK APRON STAINED 9" NRPCC", which specifies the color of the truck apron.

Q. According to JSP section G-Utilities, Spire plans to cap their main this fall if it can be reconnected by October or November of 2019, and if not, they will cap the main in the spring of 2020. Since the anticipated Notice to Proceed is November 18, 2019, Spire will most

likely need to wait until the spring of 2020 to cap their main. Is the County expecting this to delay the work in Phase 1A?

A. The County expects the contractor to work around the existing utilities in conflict crossing Route 364 between Old Gutermuth Road and Norgate Court. The Contractor may need to leave a gap in the earthwork and pavement operations at this location until the utility work is complete. Once the utilities are complete, the contractor will be able to complete the ramp earthwork and pavement operations at a later date. Since the ramps are not expected to open until the completion of the project, leaving a gap should not delay the contractor's scheduled critical path. If there becomes a point where working around the utilities starts to affect the contractor's critical path, Section 108.14 of the Standard Specifications will govern the delay determination. A reasonable effort to work around the conflict will have to be shown by the contractor before any suspension of work will be considered by the engineer.

Q. Will pavement joints be sealed according to MoDOT or St. Charles County Specifications?

A. All 9" NRPCC (502-12.09) and adjacent curbs will follow MoDOT's current standard plans and specifications for joints. All 8" NRPCC (502-12.08) and adjacent curbs will follow St. Charles County's current standard plan and specifications for joints, which have been added to Job Special Provisions by this addendum.

Q. Will the contractor be required to submit As-Built Plans?

A. Yes, a Job Special Provision and Pay Item has been added to this addendum.

Q. Should the splice enclosure be installed in Pull Box 9 and not in Pull Box 6 for the Fiber Splicing?

A. Pull Box 6 is where we should be tying into existing fiber and where the splice enclosure should be located. Pull Box 6 to Pull Box 9 should be existing fiber, not new, as shown in the plans. This is an error in the original plan set and has been modified with this addendum.

Q. Sheet No 120 has 2 ea existing 24 Fiber in the conduit from PB 9 to PB 11, there is 1 ea 72 Fiber and 1 ea 24 Fiber coming into PB 9 from the West, how is the splice to be made in PB 9.

A. There will not be a splice in PB 9. The 72 & 24 ct fibers coming in to PB 9 from the northwest are existing and do not need to be spliced. See the response from previous question regarding splice enclosure location.

Q. ITS Pull Box (Special Provision Y) calls for 910-99.02 ITS Pull Box (Class 2) to be installed. ITS Quantity Sheet 1 of 1 calls for ITS Pull Box Class 1 to be installed. Please advise which is correct.

A. The Class 1 pull boxes are for power and are not ITS specific pull boxes. They are a standard MODOT bid item (9016111) and do not need a special provision. ITS Pull box Class 2 is listed in Special Provision Y as informational only.

Q. The Bridge Plans for Crooked Creek Bridge Number A61051 Repair calls for 2 ea 2" Conduits to be installed in the new barrier and paid for as 707-10.00 Conduit System on Structure. Lighting Sheet No 127 shows a 3" Conduit to be installed on the same bridge (See

Summary of Lighting Sheet No 3 which has 120' - 3" Structure. Is this in addition to the 2 - 2" conduits shown on the Bridge Plans?

A. The two 2" conduits will be installed in the new barrier wall and be paid for as 7071000 CONDUIT SYSTEM ON STRUCTURE. One of the 2" conduits in the bridge barrier will be used lighting and the second one will be available as a spare. The 120 feet of "Conduit 3" Structure" will not be installed on the Crooked Creek Bridge, and the quantities have been adjusted accordingly.

Q. Lighting Sheet No 128 - 2 of 4 and Sheet No 130 - 4 of 4 shows conduit to be installed between Pull Boxes 15 & 16. This conduit is also shown on Sheet No 131 as 2 ea 3" Conduits Installed in Barrier Wall and paid for on Lighting Sheet #3, Sheet 2 of 2 as 275' 3" Conduit on Structure. Since this bridge is not being worked on, and the conduit cannot be installed inside the barrier wall, how is it to be installed and what size is to be installed? Will the installation of the conduit be paid for under the Lighting Item or the 7071000 Conduit System on Structure?

A. No conduits will be installed inside the barrier wall of the existing Gutermuth Bridge over Route 364. The "CONDUIT SYSTEM ON STRUCTURE" bid item will not include the work related to installing conduit on the existing Gutermuth Bridge. That bid item will only be for the work related to installing the conduits within the barrier wall of the Crooked Creek Bridge. The Lighting bid item "CONDUIT 3" STRUCTURE" will cover the costs of mounting the conduits to the Gutermuth Bridge over Route 364. The quantity has been adjusted from 275 linear feet to 550 linear feet, to account for both runs of conduit.

Q. Where should the two 3" Conduits be mounted on the existing Gutermuth Bridge over Route 364?

A. The contractor will be required to coordinate the mounting location with MoDOT Bridge Division.

The CONTRACTOR shall sign this addendum acknowledgment and return it with the bid proposal.

Addendum No. 1 Dated September 26, 2019

We, the undersigned, acknowledge the receipt of the above addendum(s) as dated.

By: _____

Title: _____

Date: _____

Contractor Name: _____

Route 364 at Gutermuth Road Interchange STP-7302(669)					
Item No.	**Description**	**Units**	**Quantity**	**Unit Price**	**Total Price**
Roadway Items					
2013000	CLEARING & GRUBBING	AC	2.4		$
2022010	REMOVAL OF IMPROVEMENTS	L.S.	1		$
2031000	CLASS A EXCAVATION	C.Y.	68,777		$
2035500	EMBANKMENT IN PLACE	C.Y.	6,761		$
2036000	COMPACTING EMBANKMENT	C.Y.	58,462		$
2042010	SETTLEMENT GAUGE	EA	6		$
3039905	12" ROCK BASE	S.Y.	17,892		$
3105003	GRAVEL DRIVEWAY	S.Y.	333		$
3040504	4" TYPE 5 AGGREGATE BASE	S.Y.	7,446		$
3040506	TRUCK APRON 6" TYPE 5 AGGREGATE BASE	S.Y.	977		$
4010151	A3 SHOULDER	S.Y.	6,664.10		$
5021309	9" NRPCC	S.Y.	11,227.40		$
5021308	8" NRPCC	S.Y.	6,148.60		$
5029905	TRUCK APRON STAINED 9" NRPCC	S.Y.	857.4		$
6061060	MGS GUARDRAIL SYSTEM	L.F.	1,138		$
6061061	MGS GUARDRAIL, 8 FT. POSTS	L.F.	350		$
6061070	MGS VERTICAL BARRIER TRANSITION SECTION	EA	1		$
6061080	MGS END ANCHOR	EA	3		$
6063014	TYPE A CRASHWORTHY END TERMINAL (MASH)	EA	5		$
6063015	TYPE A CRASHWORTHY END TERMINAL (TL-2)	EA	2		$
6071012	5' CHAIN LINK FENCE	L.F.	1,444		$
6071040	CHAIN LINK DRIVE GATE	EA	1		$
6071050	WALL MOUNTED CHAIN LINK FENCE	L.F.	187		$
6071102	MODIFIED TYPE B GUTTER	L.F.	187		$
6081000	MOBILIZATION	L.S.	1		$
6081000	CONCRETE MEDIAN	S.Y.	1,011.40		$
6081010	CONCRETE CURB RAMP	S.F.	1,002.00		$
6081012	TRUNCATED DOMES	S.F.	214		$
6085006	6" CONCRETE APPROACH PAVEMENT	S.Y.	88.7		$
6085007	7" CONCRETE APPROACH PAVEMENT	S.Y.	75.9		$
6086004	4" CONCRETE SIDEWALK	S.Y.	1,100.10		$
6086006	6" CONCRETE SIDEWALK	S.Y.	37.8		$
6086007	7" CONCRETE SIDEWALK	S.Y.	39.6		$
6091010	CURB TYPE S BARRIER CURB	L.F.	112		$
6091042	TYPE B GUTTER	L.F.	1,449		$
6091052	6" VERTICAL CURB & GUTTER	L.F.	3,655		$
6092011	6" INTEGRAL VERTICAL CURB	L.F.	724		$
6092013	3" LOW PROFILE CURB	L.F.	736		$
6097000	ROCK LINING	C.Y.	5		$
6099903	3" LOW PROFILE CURB & GUTTER	L.F.	147		$

6113020	FURNISHING 2' ROCK BLANKET	C.Y.	2,237		$
6113040	PLACING 2' ROCK BLANKET	C.Y.	2,237		$
6189902	ADDITIONAL MOBILIZATION FOR SEEDING	EA	4		$
6240103A	EROSION CONTROL GEOTEXTILE	S.Y.	3,354		$
6273000 *	AS-BUILT DRAWINGS	L.S.	1		$
6274000	SURVEYING & STAKING	L.S.	1		$
7059904	CAST IN PLACE (CIP) WALL	S.F.	96		$
7201000	MECHANICALLY STABILIZED EARTH WALL SYSTEMS	S.F.	1,761		$
7209904	SOUND WALL	S.F.	24,047		$
7250412	12" GROUP C PIPE	L.F.	38		$
8031000A **	SODDING	S.Y.	350		$
8051000A	SEEDING - COOL SEASON MIXTURES	AC	11.5		$
8061003	SEDIMENT TRAP ROCK EXCAVATION	EA	4		$
8061004	SEDIMENT TRAP ROCK	EA	4		$
8061005	ROCK DITCH CHECK	EA	61		$
8061007A	CURB INLET CHECK	EA	28		$
8061016	SEDIMENT REMOVAL	C.Y.	159		$
8061019	SILT FENCE	L.F.	10,224		$
8064121	EROSION CONTROL BLANKET	S.Y.	24,552		$
8065000 ***	TEMPORARY SEEDING	AC	10		$
JSP-NN ****	ON THE JOB TRAINING HOURS	HR	1,000	$ 10.00	$ 10,000.00
				Roadway Subtotal	$
Drainage Items					
2063000	CLASS 3 EXCAVATION	C.Y.	3,356		$
6097000	ROCK LINING	C.Y.	55		$
6141021	GRATE AND BEARING PLATE (3 FT X 2 FT OR 914 MM X 610 MM)	EACH	1		$
6143011	MANHOLE FRAME AND COVER, TYPE 1-B	EACH	5		$
6143012	MANHOLE FRAME AND COVER, TYPE 2	EACH	4		$
7250424	24 IN. PIPE GROUP C	L.F.	66		$
7261012	12 IN. PIPE GROUP A	L.F.	983		$
7261015	15 IN. PIPE GROUP A	L.F.	48		$
7261018	18 IN. PIPE GROUP A	L.F.	562		$
7261024	24 IN. PIPE GROUP A	L.F.	601		$
7261030	30 IN. PIPE GROUP A	L.F.	718		$
7261036	36 IN. PIPE GROUP A	L.F.	205		$
7261048	48 IN. PIPE GROUP A	L.F.	12		$
7311032	PRECAST CONCRETE DROP INLET 3 FT X 2 FT	L.F.	5		$
7310048	PRECAST CONCRETE MANHOLE - 48 IN.	L.F.	30		$
7310060	PRECAST CONCRETE MANHOLE - 60 IN.	L.F.	55		$
7310072	PRECAST CONCRETE MANHOLE - 72 IN.	L.F.	29		$
7319902	SINGLE CURB INLET, UNTRAPPED	EACH	14		$
7319902A	DOUBLE CURB INLET, UNTRAPPED	EACH	3		$
7320612A	12 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	2		$
7320618A	18 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	7		$
7320624A	24 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	6		$

7320630A	30 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	10		$
7320648A	48 IN. OR ALLOWED SUBSTITUTE GROUP A FLARED END SECTION	EACH	2		$
7320824A	24 IN. OR ALLOWED SUBSTITUTE GROUP C FLARED END SECTION	EACH	4		$
				Drainage Subtotal	$
Bridge Items					
2061000	CLASS 1 EXCAVATION	CY	35		$
2163000	PARTIAL REMOVAL OF EXISTING BRIDGE DECK	SF	369		$
2163502	PARTIAL REMOVAL OF SUBSTRUCTURE CONCRETE	LS	1		$
5031010	BRIDGE APPROACH SLAB (MAJOR)	SY	45		$
7021212	GALVANIZED STRUCTURAL STEEL PILE (12")	LF	238		$
7027000	PILE POINT REINFORCEMENT	EA	4		$
7032003	CLASS B CONCRETE (SUBSTRUCTURE)	CY	9.2		$
7034213	SLAB ON CONCRETE I-GIRDER	SY	98		$
7034215	SAFETY BARRIER CURB	LF	103		$
7056002	TYPE 4 (45 IN.) PRESTRESSED CONCRETE I-GIRDER	LF	78		$
7071000	CONDUIT SYSTEM ON STRUCTURE	LS	1		$
7123301	STEEL INTERMEDIATE DIAPHRAGM FOR P/S CONCRETE GIRDERS	EA	1		$
7151001	VERTICAL DRAIN AT END BENTS	EA	2		$
7161002	LAMINATED NEOPRENE BEARING PAD	EA	1		$
7161003	LAMINATED NEOPRENE BEARING PAD (TAPERED)	EA	1		$
				Bridge Subtotal	$
Traffic Items					
6161005	CONSTRUCTION SIGNS	SF	1,207		$
6161010	RELOCATED SIGNS	SF	1,054		$
6122017	IMPACT ATTENUATOR 65 MPH (SAND BARRELS)	EA	2		$
6122020	REPLACEMENT SAND BARREL	EA	4		$
6122030	IMPACT ATTENUATOR (RELOCATION)	EA	2		$
6123000A	TRUCK OR TRAILER MOUNTED ATTENUATOR	EA	2		$
6161008	ADVANCED WARNING RAIL SYSTEM	EA	6		$
6161009	FLAG ASSEMBLY	EA	6		$
6161025	CHANNELIZER (TRIM LINE)	EA	163		$
6161031	TYPE III MOVEABLE BARRICADE WITH LIGHTS	EA	39		$
6173600D	TEMPORARY TRAFFIC BARRIER CONTRACTOR FURNISHED/RETAINED	LF	2,488		$
6173700B	TEMPORARY TRAFFIC BARRIER ANCHORED CONTRACTOR FURNISHED/RETAINED	LF	1,025		$
6174000A	TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION	EA	4		$
6175010A	RELOCATING TEMPORARY TRAFFIC BARRIER	LF	2,475		$
6175011B	RELOCATING TEMPORARY TRAFFIC BARRIER ANCHORED	LF	975		$
6175020A	RELOCATING TEMPORARY TRAFFIC BARRIER HEIGHT TRANSITION	EA	4		$
6161098A	CHANGEABLE MESSAGE SIGN W/O COMM. CONTRACTOR FURNISHED/RETAINED	EA	4		$
6169902	TYPE II ADA BARRICADE	EA	4		$
6191000	PAVEMENT EDGE TREATMENT	LF	7,474		$
6205301B	TEMPORARY REMOVABLE MARKING TAPE 4 IN., WHITE	LF	28,015		$
6205303B	TEMPORARY REMOVABLE MARKING TAPE 4 IN., YELLOW	LF	31,843		$
6209903	TEMPORARY REMOVABLE MARKING TAPE 12 IN., YELLOW	LF	272		$

6205440A	TEMPORARY NON-REMOVABLE MARKING TAPE LEFT/RIGHT ARROW	EA	4		$
6207001	PAVEMENT MARKING REMOVAL	LF	82,909		$
6205902A	6" WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	17,505		$
6205906A	12" WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	2,804		$
6206124A	24" WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	210		$
6205901A	4" YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	6,119		$
6205903A	6" YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	13,036		$
6206125A	24" YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT	LF	199		$
6200042	24" YIELD BAR PREFORMED THERMOPLASTIC PAVEMENT MARKING	EA	50		$
6200021	LEFT/RIGHT ARROW PREFORMED THERMOPLASTIC PAVEMENT MARKING	EA	7		$
6209902	MERGE ARROW PREFORMED THERMOPLASTIC PAVEMENT MARKING	EA	2		$
6200036	30" WHITE CROSSWALK PREFORMED THERMOPLASTIC PAVEMENT MARKING	EA	37		$
9013003	CONDUIT 3" TRENCHED	LF	250		$
9013004	CONDUIT 4" TRENCHED	LF	30		$
9014003	CONDUIT 3" PUSHED	LF	130		$
9014503 #	CONDUIT 3" STRUCTURE	LF	550		$
9017407	1" CABLE CONDUIT 2C#8 WITH BARE NEUTRAL	LF	8,630		$
9015010	TYPE I TRENCHING	LF	6,290		$
9017002	CABLE 1C#2	LF	260		$
9011030	LIGHTING POLE, 30 FT, TYPE AT	EA	20		$
9011060	LIGHTING POLE, 45 FT, TYPE AT	EA	4		$
9011108	8' BRACKET ARM	EA	20		$
9011115	15' BRACKET ARM	EA	4		$
9011311	TYPE A LED LUMINAIRE	EA	20		$
9011312	TYPE B LED LUMINAIRE	EA	4		$
9017110	POLE & BRACKET CABLE #10	LF	2,000		$
9018230	POLE FOUNDATION 30'	EA	20		$
9018245	POLE FOUNDATION 45'	EA	4		$
9016110	CLASS I PREFORMED PULL BOX	EA	25		$
9016111	CLASS 2 PREFORMED PULL BOX	EA	1		$
9012230	BASE MOUNTED CONTROL STATION 240V	EA	1		$
9018611	POWER SUPPLY	EA	1		$
9031210	STRUCTURAL STEEL	LBS	5,332		$
9031250	U CHANNEL POST	LF	34		$
9031270A	2" PSST POST	LF	636		$
9031271	2" PSST ANCHOR 12 GAUGE	LF	147		$
9031280	2.5" PSST POST	LF	493		$
9031272	2.25" PSST INSERT	LF	112		$
9031281	25" PSST ANCHOR 12 GAUGE	LF	99		$
9031241	PSST BREAKAWAY ASSEMBLY	EA	8		$
9035004A	FLAT SHEET (SH) SIGN	SF	673		$
9035011A	STRUCTURAL (ST) SIGN	SF	1,016		$
9109902	MODOT BURIED CABLE DRIVEABLE DELINEATOR POST	EA	5		$

9103700	INSTALL CCTV CAMERA ASSEMBLY	EA	1		$
9029901	FIBER MANAGEMENT TOOL	LS	1		$
9109903	CONDUIT, PVC, TRENCHED 2"	LF	29		$
9109903	CONDUIT, PVC, PUSHED 2"	LF	1,296		$
9109902	INTERCEPT CONDUIT WITH PULL BOX	EA	5		$
9106111	PULL BOX, CLASS 1	EA	2		$
9109902	ITS PULL BOX, CLASS 5	EA	4		$
9109902	FIELD TERMINAL CABINET, TYPE 7, FURNISH AND INSTALL	EA	1		$
9109100	BASE, CONCRETE	CY	2		$
9109903 ##	FIBER OPTIC CABLE, 72 STRAND, SINGLE MODE	LF	1,080		$
9109903 ###	FIBER OPTIC CABLE, 24 STRAND, SINGLE MODE	LF	1,310		$
9109902	FIBER OPTIC PIGTAIL, SM, FURNISH AND INSTALL	EA	4		$
9109902	FIBER OPTIC JUMPER, SM, FURNISH AND INSTALL	EA	4		$
9109902	RACK-MOUNTED PATCH PANEL ENCLOSURE, FURNISH AND INSTALL	EA	1		$
9109902	RACK-MOUNTED INTERCONNECT CENTER, FURNISH AND INSTALL	EA	1		$
9109902	FIBER OPTIC SPLICE	EA	214		$
9109902	RELOCATE EXISTING COMMUNICATION EQUIPMENT	EA	1		$
9109902	UNDERGROUND FIBER CABLE SPLICE ENCLOSURE	EA	4		$
9109902 ####	VERTICAL MOUNTING ARM ON EXISTING DMS	EA	1		$
9028202	CABLE, 2 AWG 1 CONDUCTOR, POWER CABLE	LF	3,820		$
9028208	CABLE, 8 AWG 1 CONDUCTOR, POWER CABLE	LF	430		$
				Traffic Subtotal	$
				TOTAL:	$