

January 10, 2020

ADDENDUM #2

**IFB 19-118 Gateway Green Light Phase 4 Fiber Expansion
and ITS Device Installations**

Addendum #2 is being issued to answer questions raised from the pre-construction meeting, incidentals that require attention, replacement of the original bid form and replacing with bid form dated 01/10/2020, and replacement of the original bid bond form and replacing with bid bond revised 1/10/2020.

Please find the updated forms posted to the County's website.

Bidders shall sign this Addendum as acknowledgment and return it with the bid.

BID ADDENDUM

Addendum #2

Dated _____

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

By: _____

Title: _____

Company: _____

Date: _____

QUESTIONS:

1. Can an Extension Boom be used in-lieu of climbing the towers?
 - a. Answer Yes
2. If an Extension Boom is used can safety training be waived?
 - a. Will waive safety training for: climber; and Fall & Rescue Training. However, Micro Wave Hazards training will still be required.
3. Where it states to use "DMS Class 4.0 concrete" within the document - use "MoDOT Mix Design B-1".
4. Construction Plan Sheet C-3: Intersections #140 and #410 – Delete the new 20' Extension Pole and mount the camera to existing 20' Pole.
5. Construction Plan Sheet C-4: Intersection #323 – install 20' Ext. Pole as shown. Remove existing radio and 6' pole. Relocate radio to new 20' pole. Realign radio with existing radio on Bryan/W/ Terra. The radio relocation shall be incidental to the cost of the 20' Extension Pole.
6. What is the approximate total cost of this project?
 - a. The approximate total cost of the project is \$1.15 million.

INCIDENTALS THAT REQUIRE ATTENTION:

Pre-Bid Meeting – Precaution's Regarding Incidentals:

- Notable GGL Job Special Provisions
 - 9. Fiber Optic Cable and Connections (page 77)
 - Section 9.2.4: Jumper – Shall be straight through. Crossover type will not be accepted.
 - Section 9.2.7: Interconnect Center – Shall be wall mount equal to the Corning WCH -04P. Under the shelf mount will not be accepted.
 - Fiber Splicing/Terminations: GGL Special Provisions (page 79)
 - Section 9.2.10 – All As-Builts shall be done in Visio or MicroStation formats.
 - Upon request – County will provide any and all Preliminary/Existing Visio drawings in possession that can be used to create As-Built Drawings. For those locations where drawings do not exist. The contractor will be responsible to create a new drawing.
 - This work within said section of 9.2.10 shall be incidental to the fiber unit cost.
 - 10. Conduit (page 83)
 - Section 3.5: ITS Pull Boxes – The cost of the ITS box is incidental to the unit price of the conduit. ALL boxes shall have a concrete apron as shown in details.
 - Section 3.5.1: Pull Box Lid labels – ALL pull boxes shall have affixed a label identifying the function and maintaining agency.

- 12. Equipment Cabinets (page 87)
 - Section 12.3.2: Cross Connect Cabinets – Shall receive utility power from the adjacent MoDOT signal or ITS cabinet. Install a 10-amp breaker in the MoDOT cabinet and run a 3/C #12 cable to the C.C. cabinet.
- Notable Job Special Provisions
 - 23. CCTV Camera Assemblies (page 103)
 - Section 23.2.1: CCTV Camera Assembly – Engineer Approved Equal – (Axis Q6215-LE)
 - Section 23.3.4 Tower Installations
 - Section 23.3.4.2: Safety Requirements – Read and comply with section D
 - Extension Boom Equipment can be used in-lieu of climbing
 - Special Grounding – Discuss: Use Polyphasers and ground cable shield prior to building entrance.
 - 24. Video Detection System (page 106)
 - Must be compliant with Section 24.2.2.1.1.2 – Control Software shall allow access to multiple users simultaneously.
 - 25. Dynamic Message Sign (page 117)
 - Pay special attention to Section 25.1.1 (Description): all equipment included as incidental.
 - 28. Norfolk-Southern Railroad Requirements (page 126)
 - Section 9.2.10 Fiber Optic Cable Conduit enters Railways premises in two locations
 - Contractor must notify railroad within 72 hours prior to commencement of work
 - No work shall be permitted without the presence of a Railways flagman or the Division Engineers waiver of the requirement for flag protection.
 - The county shall be responsible for obtaining all necessary permits and fees.
 - 2" HDPE conduit shall be installed as per Norfolk-Southern Specifications NSCE-8.

BID BOND revised 01/10/2020

KNOW ALL PERSONS BY THESE PRESENTS, that we _____

as principal and _____
as surety, are held and firmly bound unto the county of St Charles Missouri (acting by and through the St Charles County Roads and Traffic) in the penal sum of _____ Dollars (\$ _____) to be paid to the County to be credited to the county road fund, the principal and surety binding themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated this _____

THE CONDITION OF THIS OBLIGATION is such that

WHEREAS the principal is submitting herewith a bid to St Charles County on _____

in St Charles County, for project (s)

for construction or improvement of county roadway as set out in said bid;

NOW THEREFORE, if the County shall accept the bid of the principal and if the principal shall properly execute and deliver to the County the contract, contract bond, and evidence of insurance coverage in compliance with the requirements of the bid, the specifications, and the provisions of section 227.100 RSMo, to the satisfaction of the County, then this obligation shall be void and of no effect, otherwise to remain in full force and effect.

In the event the said principal shall, in the judgment of the County, fail to comply with any requirement as set forth in the preceding paragraph, then St Charles County, acting by and through the Highway Department, shall immediately and forthwith be entitled to recover the full penal sum above set out, together with court costs, attorney's fees, and any other expense of recovery.

The principal and surety hereby certify that the document is the original or a verbatim copy of the bid bond form furnished by the County, in accordance with Sec 102.9 of the St Charles County Standard Specifications for Arterial Highway Construction.

Principal

SEAL

By _____
Signature

Surety

SEAL

By _____
Signature of Attorney in Fact

NOTE: This bond must be executed by the principal, and by a corporate surety authorized to conduct surety business in the state of Missouri.

BID FORM - REVISED 01/10/2020
Federal Project No. CMAQ 5414 (632)
Project Title: Gateway Green Light Phase 4
Fiber Expansion & ITS Device Installations

BID PACKAGE #1 - Fiber Expansion & ITS Device Installations

Line	Item No.	Item Description	Unit	Quantity	Unit Price	Extension
Roadway Items						
300.00	618-10.00	MOBILIZATION	LS	1		\$0.00
310.00	616-10.05	CONSTRUCTION SIGNS	Sq Ft	170		\$0.00
320.00	616-10.40	FLASHING ARROW PANEL	Each	2		\$0.00
330.00	616-10.34	DIRECTIONAL INDICATOR BARRICADE	Each	20		\$0.00
340.00	612-30.00a	TRUCK OR TRAILER ATTENUATOR	Each	1		\$0.00
350.00	616-10.25	CHANNELIZER (TRIM LINE)	Each	225		\$0.00
					Roadway Subtotal:	\$0.00
Signals						
360.00	910-99.01	12 CT SMFO CABLE (BRANCH)	LF	2045		\$0.00
370.00	910-99.02	24 CT SMFO CABLE (CROSS CONNECT ONLY)	LF	715		\$0.00
380.00	910-99.03	48 CT SMFO CABLE	LF	11,365		\$0.00
390.00	910-99.04	72 CT SMFO CABLE	LF	26,340		\$0.00
400.00	910-99.05	GGL FIBER SPLICING (PER SPLICE)	Each	424		\$0.00
410.00	910-99.06	GGL FIBER TERMINATION (PER TERMINATION)	Each	594		\$0.00
420.00	910-99.07	FIBER OPTIC JUMPER	Each	52		\$0.00
440.00	910-99.08	IN-GROUND SPLICE ENCLOSURE	Each	13		\$0.00
450.00	910-72.01	CONDUIT, 2 IN RIGID, UNDERGROUND	LF	19,385		\$0.00
460.00	910-99.09	TYPE 336S GROUND MOUNT CABINET (CROSS CONNECT)	Each	1		\$0.00
470.00	910-91.00	BASE, CONCRETE	Each	1		\$0.00
480.00	910-99.10	CABINET AND NETWORK DEVICE CUTOVER (PER LOCATION)	Each	14		\$0.00
490.00	910-99.11	FURNISH & INSTALL INDUSTRIAL ETHERNET LAN SWITCH (2 direction)	Each	4		\$0.00
500.00	910-99.12	FURNISH & INSTALL INDUSTRIAL ETHERNET LAN SWITCH (4 direction)	Each	5		\$0.00
510.00	910-99.13	ENTERPRISE LAYER 3 SWITCH (AGENCY)	Each	3		\$0.00
520.00	910-99.15	SFP (GLC-LX/LH - 10 km)	Each	36		\$0.00
530.00	910-99.16	SFP (GLC-EX - 40 km)	Each	12		\$0.00
540.00	910-99.17	SFP (GLC-T - RJ45)	Each	12		\$0.00
550.00	910-99.18	SFP+ (SFP-10G-ER - 40km)	Each	6		\$0.00
560.00	910-99.19	BLUETOOTH TRAVEL TIME DETECTION	Each	10		\$0.00
570.00	902-49.75	VIDEO DETECTION SYSTEM	Each	7		\$0.00
580.00	910-37.00	CCTV CAMERA ASSEMBLY, INSTALLED	Each	7		\$0.00
590.00	910-99.20	EXTENSION POLE ON SIGNAL POLE, 20 FOOT	Each	2		\$0.00
600.00	910-99.21	CCTV CAMERA ASSEMBLY ON TOWER, INSTALLED	Each	8		\$0.00
610.00	910-99.22	GGL ARTERIAL DMS, INSTALLED (PREMIER PKWY)	Each	1		\$0.00
620.00	910-99.23	FABRIC INNERDUCT, 3 CELL	LF	1,930		\$0.00
					Signal Subtotal:	\$0.00

Bid Package #1 Base Bid Total **\$0.00**

