STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

May 24, 2024

ADDENDUM # 2

Contract No.	DN12129047
TIP No.:	N/A
Federal Aid No.:	State Funded
WBS Element:	14.1020SM, ETC
County:	Cherokee, Clay, Graham, Haywood, Henderson, Jackson, Macon, Polk, Swain, and Transylvania
Description:	ID/IQ On-Call Signals Maintenance and Repair Services at Various Locations Throughout Division 14

Letting Date: May 28, 2024

Plan Holders

Content Summary: Questions/Concerns and Associated Department Responses, Provision Revisions, Pay Item Deletion and Additions

1. **Emergency Mobilization For ID/IQ has been revised to show a response time of 4 hours instead of 8 hours. (See the attached revise page G-3)**

2. **Below are the Department's responses to those questions and concerns raised by a bidder:**

Question/Concern 1: "Line Item 9 -13 – We are not concrete contractors, and I am worried that we will not be able to fulfill the contract needs since there is a concrete contract that is letting in the division (DN12123948). It's hard to get a concrete contractor to mobilize and install 1 piece of sidewalk and curb at an intersection."

Response 1: The Department acknowledges the market difficulties with small-scope concrete work, but it still requires this work as a part of the contract requirements. Bid accordingly.

Question/Concern 2: "Line item 54 and 55 – How do we know how many splices we will be making / modifying? We don't have plans showing us what splices we are making. This could be a 12, 24, 48, 96, and 144 count splices."

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 14
253 WEBSTER ROAD
SYLVA, NC 28779

Telephone: (828) 586-2141
Fax: (828) 586-4043
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

Response 2: Currently, Division 14 is only in need of splices for 12-count and 24-count fiber. As to the quantity needed, we do not know at this time, thus the is the nature of the ID/IQ On-Call Services contract (IQ = Indefinite Quantity); the quantities estimated are merely contingent upon if a need arises in the field for the duration of the contract. With that being said, delete line item 52, 7516000000-E, Communications Cable (48 SMFO Fiber), 1,000 LF. This contract will only require 12 SMFO FIBER and 24 SMFO FIBER. (Replace the existing pay item sheets T-1 thru T-5, as the line items have been renumbered.)

Question/Concern 3: Line item 64 – How do know what size strain pole to price? They make 28' 30' 32' Ect. They also make heavy duty strain poles that cost more if the designs calls out for it. This should be a cost + item since the price fluctuates based on size and price of steel."

Response 3: The Department has revised pay items for Metal Strain Signal Pole, Metal Pole with Single Mast Arm, and Metal Poles with Dual Mast Arms to be cost + 10% per $1.00. The associated provision titled "Metal Pole Supports" on page TS-20, under section 4.7, Measurement and Payment, has been revised to reflect the same. (Replace the existing pay item sheets T-1 thru T-5, as the line items have been renumbered.

Question/Concern 4: "Line item 65 – 66 – How do we know what size mast arm to price? This could be a 20' arm or a 90' arm. That is a huge price difference. This should be a cost + item since the price fluctuates based on size and price of steel."

Response 4: See "Response 3" above.

Question/Concern 5: "Line Item 100 – is this line item per cross walk or is it per RRFB assembly. I have seen it both ways."

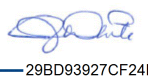
Response 5: It is per assembly.

Please insert this addendum letter and any attachments into the addendum section of the proposal and sign the verification. Thank you for your attention to this matter.

If you have any questions, please contact the Division Proposal Engineer at (828) 586-2141.

Sincerely,

DocuSigned by:



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Jeanette L. White, P.E.
Division 14 Project Team Lead

MOBILIZATION AND LIQUIDATED DAMAGES FOR ID/IQ:

(2-15-22)(Rev. 05-28-24) SPD 01-820

The Contractor shall mobilize to each location he is required to perform work, as defined elsewhere in this contract.

The Contractor will be provided a Work Order Assignment for each project with location(s), estimated quantities, and liquidated damages unless waived by the Engineer. Notification will be verbal followed by a faxed or emailed signed Work Order Assignment. There will be no minimum quantities for any line item associated with a particular mobilization. The Contractor shall complete the work identified on each Work Order Assignment.

The Contractor shall mobilize and complete the work within the time specified on the Work Order Assignment. Failure to complete the work by the completion date may result in the application of liquidated damages. Liquidated damage amounts will be based on the work order estimate and the liquidated damage table below.

Work Order Value	Liquidated Damages (per calendar day)
$0 - $100K	$100.00
$100K - $200K	$250.00
$200K - $300K	$500.00
$300K - $500K	$600.00
$500K - $1M	$700.00
$1M - $2M	$850.00

EMERGENCY MOBILIZATION FOR ID/IQ:

(2-15-22)(Rev. 05-28-24) SPD 01-830

The Contractor shall arrive on site within **4 hours** of notification. Compensation for *Emergency Mobilization* will be in addition to the specific line items in the contract needed for emergency work. *Emergency Mobilization* will be paid for at the contract unit price per each. Failure to respond within the time frame will result in nonpayment of this item.

Payment will be made under:

Pay Item	Pay Unit
Emergency Mobilization	Each

RENEWAL OF CONTRACT (CPI PRICE ADJUSTMENT) FOR ID/IQ:

(2-15-22)(Rev. 9-19-23) SPD 01-840

The Contractor shall submit a bid for one year. At the option of the Department, this contract may be extended for **2** additional periods of one year each (maximum 3 years total). Each year shall have a limit of **Five Million Dollars** (**$5,000,000**).

The compensation payable to the contractor shall be fixed for the first twelve months of this contract. However, upon an application of renewal of the contract, or thirty days prior to the end of each contract period, the renewal contract may be adjusted to reflect the adjustment in the Consumer Price Index over the latest twelve month period as published by the US Bureau of Labor

4.5. REUSED POLE SHAFTS

Provide shop drawings along with new foundation designs for review and approval prior to furnishing and/or installing any reused metal poles. Use the same requirements as specified for new materials as stated above in these Special Provision.

4.6. REUSED MAST ARM SHAFTS

For reused pole shaft and mast arm combinations, it is preferable to use the original shafts and arms that were used together at the time of original installation.

4.7. MEASUREMENT AND PAYMENT

Actual number of metal strain signal poles furnished, installed, and accepted and will be paid at cost + 10% per $1.00.

Actual number of reused metal strain signal poles installed and accepted.

Actual number of designs for metal strain poles furnished and accepted.

Actual number of metal poles with single mast arms furnished, installed, and accepted and will be paid at cost + 10% per $1.00.

Actual number of metal poles with dual mast arms furnished, installed, and accepted and will be paid at cost + 10% per $1.00.

Actual number of reused metal poles with single mast arms installed and accepted.

Actual number of reused metal poles with dual mast arms installed and accepted.

Actual number of designs for mast arms with metal poles furnished and accepted.

Actual number of metal signal pole foundations removed and disposed.

Actual number of metal signal poles removed and disposed.

Actual number of soil tests with SPT borings drilled furnished and accepted.

Actual volume of concrete poured in cubic yards of drilled pier foundation furnished, installed and accepted.

No measurement will be made for foundation designs prepared with metal pole designs, as these will be considered incidental to designing Traffic Signal support structures.

Payment will be made under:

Pay Item	Pay Unit
Metal Strain Signal Pole	Dollar
Install Reused Metal Strain Signal Pole	Each
Metal Strain Pole Design	Each
Metal Pole with Single Mast Arm	Dollar
Metal Pole with Dual Mast Arm	Dollar
Install Reused Metal Pole with Single Mast Arm	Each

Install Reused Metal Pole with Dual Mast Arm	Each
Mast Arm with Metal Pole Design	Each
Metal Pole Foundation Removal	Each
Metal Pole Removal	Each
Soil Test	Each
Drilled Pier Foundation	Cubic Yard

5. PROTECTIVE COATING FOR METAL POLES

5.1. General

This special provision is intended for use as an additional treatment to metal traffic signal structures installed in areas where maintaining an aesthetic appearance is important and specified in the project documents. The provision contains all of the requirements necessary to accomplish this additional treatment to galvanized steel traffic signal structures fabricated by a steel manufacturer using their local powder coating/paint facility and includes the material and shop certification requirements. The provision also contains pay items for protective coating treatment to aluminum signal and pedestrian pedestals that are Standard Specification items (See Section 1743 and associated Standard Drawings). These aluminum pedestals are on the Qualified Product List (QPL), and as such would not likely be powder coated at the same facility and thus not bound by the material certification requirements in this provision. In this case, the pedestal supplier should comply with Type 6 – Supplier's Certification as defined in Section 106-3 of the Standard Specification.

5.2.Description

Protective coating for metal poles is a supplemental durable color coating that is applied to galvanized steel and aluminum traffic signal structures. Powder Coating is the preferred supplemental protective coating process for coating galvanized steel and aluminum structures. However, for the purposes of this special provision, an Acrylic Primer and topcoat paint system is included as an acceptable alternative when protective color coating is required.

Provide protective coating over galvanization for all steel poles including all necessary hardware in accordance with the plans and specifications.

5.3. Materials

With the exception of aluminum components, furnish all metal poles with galvanic protection along with a tough and durable application of protective coating. Aluminum components shall have a durable powder coating application. Galvanization is not required for aluminum components.

Furnish pole caps that have a low gloss powder finish applied over a hot-dipped galvanized surface. Comply with the applicable provisions of Section 442-10 and 442-13 of the 2024 Standard Specifications.

Ensure the selected color for protective coating has been verified and approved by the Engineer prior to fabrication.

	ITEMIZED PROPOSAL FOR CONTRACT NO. DN12129047						
Line #	**Item Number**	**Sec #**	**Description**	**Qty**	**Units**	**Unit Cost**	**Extended Amount**
1	0000100000-N	800	MOBILIZATION	150	EA	$	$
2	0000910000-N	SP	SIGNAL TECHNICIAN	150	HR	$	$
3	0000910000-N	SP	SIGNAL HELPER	150	HR	$	$
4	0000915000-N	SP	EMERGENCY MOBILIZATION	25	EA	$	$
5	0000915000-N	SP	METAL POLE MOBILIZATION	15	EA	$	$
6	0022000000-E	225	UNCLASSIFIED EXCAVATION	60	CY	$	$
7	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	10	TON	$	$
8	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	10	TON	$	$
9	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	100	LF	$	$
10	2591000000-E	848	4" CONCRETE SIDEWALK	400	SY	$	$
11	2605000000-N	848	CONCRETE CURB RAMPS	10	EA	$	$
12	2612300000-N	848	RETROFIT EXISTING CONCRETE CURB RAMPS	5	EA	$	$
13	2612500000-N	848	REMOVE & REPLACE CONCRETE CURB RAMPS	5	EA	$	$
14	6000000000-E	1605	TEMPORARY SILT FENCE	500	LF	$	$
15	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	100	TON	$	$
16	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	100	TON	$	$
17	6012000000-E	1610	SEDIMENT CONTROL STONE	100	TON	$	$
18	6015000000-E	1615	TEMPORARY MULCHING	5	ACR	$	$
19	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	500	LB	$	$
20	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	5	TON	$	$
21	6029000000-E	SP	SAFETY FENCE	300	LF	$	$
22	6030000000-E	1630	SILT EXCAVATION	10	CY	$	$
23	6036000000-E	1631	MATTING FOR EROSION CONTROL	500	SY	$	$
24	6071002000-E	1642	FLOCCULANT	100	LB	$	$
25	6071010000-E	SP	WATTLE	150	LF	$	$
26	6071012000-E	SP	COIR FIBER WATTLE	300	LF	$	$
27	6084000000-E	1660	SEEDING AND MULCHING	3	ACR	$	$
28	6108000000-E	1665	FERTILIZER TOPDRESSING	5	TON	$	$
29	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	15	EA	$	$
30	7060000000-E	1716	SIGNAL CABLE	30,000	LF	$	$
31	7204000000-N	1726	LOUVER	10	EA	$	$
32	7252000000-E	SP	MESSENGER CABLE (1/4")	2,500	LF	$	$
33	7264000000-E	1730	MESSENGER CABLE (3/8")	8,000	LF	$	$
34	7279000000-E	1730	TRACER WIRE	6,000	LF	$	$
35	7288000000-E	1730	PAVED TRENCHING (2 CONDUIT, 2 INCH)	500	LF	$	$

36	7300000000-E	1730	UNPAVED TRENCHING (2 CONDUIT, 2 INCH)	4,000	LF	$	$
37	7301000000-E	1731	DIRECTIONAL DRILL (1 CONDUIT, 2 INCH)	1,000	LF	$	$
38	7301000000-E	1731	DIRECTIONAL DRILL (2 CONDUIT, 2 INCH)	1,000	LF	$	$
39	7301000000-E	1731	DIRECTIONAL DRILL (3 CONDUIT, 2 INCH)	1,000	LF	$	$
40	7324000000-N	1732	JUNCTION BOX (STANDARD SIZE)	100	EA	$	$
41	7348000000-N	1732	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	10	EA	$	$
42	7372000000-N	1721	GUY ASSEMBLY	200	EA	$	$
43	7408000000-E	1722	1" RISER WITH WEATHERHEAD	40	EA	$	$
44	7420000000-E	1722	2" RISER WITH WEATHERHEAD	40	EA	$	$
45	7430000000-E	1722	HEAT SHRINK TUBING RETROFIT KIT	5	EA	$	$
46	7432000000-E	1722	2" RISER WITH HEAT SHRINK TUBING	10	EA	$	$
47	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	10,000	LF	$	$
48	7456000000-E	1726	LEAD-IN CABLE (#14-2)	8,000	LF	$	$
49	7481000000-N	SP	SITE SURVEY	5	EA	$	$
50	7516000000-E	SP	COMMUNICATIONS CABLE (12 SMFO FIBER)	2,000	LF	$	$
51	7516000000-E	SP	COMMUNICATIONS CABLE (24 SMFO FIBER)	1,000	LF	$	$
52	7528000000-E	1730	DROP CABLE	100	LF	$	$
53	7540000000-N	1731	SPLICE ENCLOSURE	5	EA	$	$
54	7541000000-N	1731	MODIFY SPLICE ENCLOSURE	5	EA	$	$
55	7552000000-N	1731	INTERCONNECT CENTER	5	EA	$	$
56	7564000000-N	1732	FIBER-OPTIC TRANSCEIVER, DROP & REPEAT	5	EA	$	$
57	7564100000-N	1732	FIBER-OPTIC TRANSCEIVER, SELF HEALING RING	5	EA	$	$
58	7566000000-N	1733	DELINATOR MARKER	5	EA	$	$
59	7575142010-N	1736	900MHz SERIAL/ETHERNET SPREAD SPECTRUM RADIO	5	EA	$	$
60	7575160000-E	1734	REMOVE EXISTING COMMUNICATIONS CABLE	2,000	LF	$	$
61	7575170000-E	1738	BACK PULL FIBER OPTIC CABLE	1,000	LF	$	$
62	7575180000-N	1735	CABLE TRANSFER	40	EA	$	$
63	0000860000-N	SP	METAL STRAIN SIGNAL POLE (COST+10% PER $1.00)	1	DOL	$	$
64	0000860000-N	SP	METAL POLE WITH SIGNAL MAST ARM (COST+10% PER $1.00)	1	DOL	$	$
65	0000860000-N	SP	METAL POLE WITH DUAL MAST ARMS(COST+10% PER $1.00)	1	DOL	$	$
66	7613000000-N	SP	SOIL TEST	20	EA	$	$

67	7614100000-E	1755	DRILLED PIER FOUNDATION	30	CY	$	$
68	7630000000-N	SP	METAL STRAIN POLE DESIGN	8	EA	$	$
69	7631000000-N	SP	MAST ARM WITH METAL POLE DESIGN	4	EA	$	$
70	7648000000-N	SP	RELOCATE EXISTING SIGN	20	EA	$	$
71	7684000000-N	1750	SIGNAL CABINET FOUNDATION	25	EA	$	$
72	7686000000-N	1752	CONDUIT ENTRANCE INTO EXISTING FOUNDATION	5	EA	$	$
73	7687000000-N	1752	MODIFY FOUNDATION FOR CONTROLLER CABINET	3	EA	$	$
74	7980000000-N	1751	DETECTOR CARD (TYPE 170)	30	EA	$	$
75	7901000000-N	SP	CABINET BASE EXTENDER	10	EA	$	$
76	7901010000-N	SP	CABINET BASE ADAPTER	10	EA	$	$
77	7960000000-N	SP	METAL POLE FOUNDATION REMOVAL	5	EA	$	$
78	7972000000-N	SP	METAL POLE REMOVAL	10	EA	$	$
79	7980000000-N	SP	INSTALL BACKPLATE	25	EA	$	$
80	7980000000-N	SP	INSTALL PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	30	EA	$	$
81	7980000000-N	SP	INSTALL VEHICLE SIGNAL HEAD (12", 1 SECTION)	15	EA	$	$
82	7980000000-N	SP	INSTALL VEHICLE SIGNAL HEAD (12", 3 SECTION)	100	EA	$	$
83	7980000000-N	SP	INSTALL VEHICLE SIGNAL HEAD (12", 4 SECTION)	30	EA	$	$
84	7980000000-N	SP	INSTALL VEHICLE SIGNAL HEAD (12", 5 SECTION)	15	EA	$	$
85	7980000000-N	SP	INSTALL SIGN FOR SIGNALS	30	EA	$	$
86	7980000000-N	SP	WOOD POLE (35')	10	EA	$	$
87	7980000000-N	SP	WOOD POLE (40')	5	EA	$	$
88	7980000000-N	SP	WOOD POLE (45')	5	EA	$	$
89	7980000000-N	SP	INSTALL CONTROLLERS WITH CABINET (TYPE 170E, BASE MOUNTED)	20	EA	$	$
90	7980000000-N	SP	INSTALL CONTROLLERS WITH CABINET (TYPE 170E, POLE MOUNTED)	15	EA	$	$
91	7980000000-N	SP	NEW ELECTRICAL SERVICE	15	EA	$	$
92	7980000000-N	SP	WOOD POLE REMOVAL	15	EA	$	$
93	7980000000-N	SP	TRAFFIC SIGNAL HEAD REMOVAL	20	EA	$	$
94	7980000000-N	SP	INSTALL MICROWAVE VEHICLE DETECTOR SINGLE ZONE	5	EA	$	$
95	7980000000-N	SP	SIGNAL PEDESTAL & FOUNDATION REMOVAL	5	EA	$	$
96	7980000000-N	SP	INSTALL LED IN EXISTING SIGNAL HEAD	1,000	EA	$	$

97	7980000000-N	SP	ADJUST EXISTING SPAN	10	EA	$	$
98	7980000000-N	SP	INSTALL ETHERNET SWITCH UNIT	5	EA	$	$
99	7980000000-N	SP	INSTALL RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	50	EA	$	$
100	7980000000-N	SP	ANCHOR BOLTS	96	EA	$	$
101	7980000000-N	SP	TEMPLATES	10	EA	$	$
102	7980000000-N	SP	INSTALL RADAR VEHICLE DETECTION SENSOR	5	EA	$	$
103	7980000000-N	SP	INSTALL APS DETECTOR STATION	15	EA	$	$
104	7980000000-N	SP	INSTALL CENTRAL CONTROL UNIT APS DETECTOR STATION	15	EA	$	$
105	7980000000-N	SP	PROTECTIVE COATING FOR STRAIN POLE	4	EA	$	$
106	7980000000-N	SP	PROTECTIVE COATING FOR SINGLE MAST ARM POLE	4	EA	$	$
107	7980000000-N	SP	PROTECTIVE COATING FOR DUAL MAST ARM POLE	4	EA	$	$
108	7980000000-N	SP	INSTALL REUSED METAL STRAIN SIGNAL POLE	5	EA	$	$
109	7980000000-N	SP	INSTALL REUSED METAL POLE WITH SINGLE MAST ARM	2	EA	$	$
110	7980000000-N	SP	INSTALL REUSED METAL POLE WITH DUAL MAST ARM	2	EA	$	$
111	7980000000-N	SP	INSTALL CONTROLLER WITH CABINET (2070)	20	EA	$	$
112	7980000000-N	SP	INSTALL BEACON CONTROLLER ASSEMBLY &CABINET (F1)	10	EA	$	$
113	7980000000-N	SP	INSTALL BEACON CONTROLLER ASSEMBLY &CABINET (F2)	10	EA	$	$
114	7980000000-N	SP	INSTALL BEACON CONTROLLER ASSEMBLY &CABINET (F3)	10	EA	$	$
115	7980000000-N	SP	REMOVAL OF EXISTING TRAFFIC SIGNALS WITH ADDITIONAL DEPARTMENT RETURNS	5	EA	$	$
116	7980000000-N	SP	INSTALL TYPE I POST WITH FOUNDATION	10	EA	$	$
117	7980000000-N	SP	INSTALL TYPE II PEDESTAL WITH FOUNDATON	25	EA	$	$
118	7980000000-N	SP	INSTALL TYPE III PEDESTAL WITH FOUNDATION	10	EA	$	$
119	7980000000-N	SP	INSTALL LED BLANKOUT SIGN	5	EA	$	$
120	7990000000-E	SP	MESSENGER CABLE REMOVAL	1,000	LF	$	$
121	7990000000-E	SP	RADAR VEHICLE DETECTION CABLE	1,000	LF	$	$
122	7990000000-E	SP	STRAP WIRES TO EXISTING SPAN	1,000	LF	$	$
123	4600000000-N	SP	TWO LANE WORK ZONE TRAFFIC CONTROL	15	EA	$	$

124	4600000000-N	SP	MULTI-LANE WORK ZONE TRAFFIC CONTROL	25	EA	$	$
125	4600000000-N	SP	SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL	10	EA	$	$
126	3691000000-N	SP	FABRIC INSERT INLET PROTECTION, TYPE (1 (HIGH FLOW))	5	EA	$	$
127	3691000000-N	SP	FABRIC INSERT INLET PROTECTION CLEANOUT	5	EA	$	$
128	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50	LB	$	$
129	6087000000-E	1660	MOWING	0.1	ACR	$	$
	Total Amount Of Bid For Entire Project:						**$**