



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

March 17, 2022

BID OPENING: APRIL 7, 2022, AT 2:00 P.M.  
CONTRACT ID: D7POC388  
WBS ELEMENT NO.: 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM  
COUNTY: Alamance, Caswell, & Orange  
TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE & REPAIRS

SUBJECT: INVITATION TO BID

This is to request quotations for traffic signal installation, upgrade and repairs in Alamance, Caswell and Orange Counties. The Contractor is to supply materials, equipment, and labor.

The bid opening will be April 7, 2022, at 2:00 p.m. The availability date is May 9, 2022. The completion date is May 8, 2023.

**Questions shall be emailed to Jennifer Sour at [jsour@ncdot.gov](mailto:jsour@ncdot.gov) prior to the bid opening. Contact with any other NCDOT personnel concerning this project is strictly prohibited and will result in bids being considered non-responsive**

**Bids received at the Division Office later than 2:00 p.m. on April 7, 2022, will be returned unopened.**

**The public letting will be held via conference call.** You may join the conference call just prior to 2pm on 4/7/22. Please dial (919) 250-7881, announce name and company name when prompted.

**Bid packages are now available on the NCDOT website at the following location: [https://connect.ncdot.gov/letting/Pages/Letting-List.aspx?let\\_type=7](https://connect.ncdot.gov/letting/Pages/Letting-List.aspx?let_type=7). Please download and print your bid package from the website.**

Regards,

DocuSigned by:  
*Jennifer A. Sour*  
B213233052CA46B...

Jennifer A. Sour  
DIVISION PROPOSAL ENGINEER

JAS/bcj

cc: file

ec: W. R. Archer, III, PE  
D. McPherson

P. P. Eason, PE  
G. G. Wagi

P. D. Wilson, PE  
Plan Rooms

C. B. Smitherman, PE  
Prospective Bidders

Mailing Address:  
NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS DIVISION 7  
PO BOX 14996  
GREENSBORO, NC 27415-4996

Telephone: (336) 487-0075  
Fax: (336) 334-3637  
Customer Service: 1-877-368-4968

Website: [www.ncdot.gov](http://www.ncdot.gov)

Location:  
1584 YANCEYVILLE STREET  
GREENSBORO, NC 27405

## ITEMIZED PROPOSAL FOR CONTRACT D7POC388

CONTRACT ID# D7POC388

WBS ELEMENT NO. 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM

COUNTY: ALAMANCE, CASWELL &amp; ORANGE

TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE &amp; REPAIRS

Line Item#	Sect. #	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
1	848	4" CONCRETE SIDEWALK	20	SY		
2	1190	TRAFFIC CONTROL LAW ENFORCEMENT	120	HR		
3	1700	GENERIC SIGNAL ITEM, GROUNDING	15	EA		
4	1700	GENERIC SIGNAL ITEM, MODIFY EXISTING ELECTRICAL SERVICE	5	EA		
5	1700	NEW ELECTRICAL SERVICE	10	EA		
6	1705	LOUVER	5	EA		
7	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	20	EA		
8	1705	PEDESTRIAN SIGNAL HEAD (16", 2 SECTION W/COUNTDOWN)	12	EA		
9	1705	SIGNAL CABLE	8500	LF		
10	1705	VEHICLE SIGNAL HD (12", 3 SECT)	40	EA		
11	1705	VEHICLE SIGNAL HD (12", 4 SECT)	8	EA		
12	1705	VEHICLE SIGNAL HD (12", 5 SECT)	4	EA		
13	1705	VEHICLE SIGNAL HEAD FLASHER ASSEMBLY	8	EA		
14	1706	VEHICLE SIGNAL HEAD BACKPLATE	20	EA		
15	1710	MESSENGER CABLE (1/4")	1000	LF		
16	1710	MESSENGER CABLE (3/8")	5000	LF		
17	1715	DIRECTIONAL DRILL (1,2")	750	LF		
18	1715	DIRECTIONAL DRILL (2) (2")	125	LF		
19	1715	PAVED TRENCHING (1,2")	100	LF		
20	1715	PAVED TRENCHING (2,2")	100	LF		
21	1715	TRACER WIRE	1000	LF		
22	1715	UNPAVED TRENCHING (1,2")	1500	LF		
23	1715	UNPAVED TRENCHING (2,2")	1000	LF		
24	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	5	EA		
25	1716	JUNCTION BOX (STANDARD SIZE)	40	EA		
26	1720	WOOD POLE (40',CLASS 1)	22	EA		

## ITEMIZED PROPOSAL FOR CONTRACT D7POC388

CONTRACT ID# D7POC388

WBS ELEMENT NO. 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM

COUNTY: ALAMANCE, CASWELL &amp; ORANGE

TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE &amp; REPAIRS

Line Item#	Sect. #	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
27	1721	GUY ASSEMBLY W/METAL GUARD	45	EA		
28	1722	1" RISER W/WEATHERHEAD	5	EA		
29	1722	2" RISER W/HEAT SHRINK TUBING	3	EA		
30	1722	2" RISER W/WEATHERHEAD	25	EA		
31	1722	HEAT SHRINK TUBE KIT	3	EA		
32	1725	INDUCTIVE LOOP SAW CUT	4000	LF		
33	1726	LEAD-IN CABLE, (14-2)	15000	LF		
34	1730	COMMUNICATION CABLE (12-FIBER)	3000	LF		
35	1730	COMMUNICATION CABLE (24-FIBER)	3000	LF		
36	1730	COMMUNICATION CABLE (36-FIBER)	2000	LF		
37	1731	INTERCONNECT CENTER	2	EA		
38	1731	MODIFY SPLICE ENCLOSURE	2	EA		
39	1731	SPLICE ENCLOSURE	2	EA		
40	1732	FIBER-OPTIC TRANSCEIVER-DROP & REPEAT	2	EA		
41	1732	FIBER-OPTIC TRANSCEIVER-SELF-HEALING RINGER	2	EA		
42	1736	900MHZ SPECTRUM RADIO	6			
43	1743	TYPE I POST W/ FOUNDATION	16	EA		
44	1743	TYPE II PED W/ FOUNDATION	12	EA		
45	1743	TYPE III POST W FOUNDATION	8	EA		
46	1747	LED BLANKOUT SIGN	4	EA		
47	1750	DETECTOR CARD (TYPE 2070)	40	EA		
48	1750	SIGNAL CABINET FOUNDATION	5	EA		
49	1751	CONTLRS WITH CBNT (TYPE 2070LX, BASE MOUNTED)	5	EA		
50	1751	CONTLRS WITH CBNT (TYPE 2070LX, POLE MOUNTED)	5	EA		
51	1752	CONDUIT ENTRANCE INTO EXISTING FOUNDATION	5	EA		

## ITEMIZED PROPOSAL FOR CONTRACT D7POC388

CONTRACT ID# D7POC388

WBS ELEMENT NO. 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM

COUNTY: ALAMANCE, CASWELL &amp; ORANGE

TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE &amp; REPAIRS

Line Item#	Sect. #	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
52	1753	CABINET BASE ADAPTER WITH UTILITY PEDESTAL	5	EA		
53	1753	CABINET BASE EXTENDER	5	EA		
54	1755	BEACON CONTROLLER ASSEMBLIES	3	EA		
55	SP	TRAFFIC CONTROL MULTILANE	5	EA		
56	SP	TRAFFIC CONTROL SHOULDER	25	EA		
57	SP	TRAFFIC CONTROL SINGLE LANE	25	EA		
58	SP	TRAFFIC CONTROL TWO WAY	15	EA		
59	SP	EMERGENCY MOBILIZATION	5	EA		
60	SP	DEPARTMENT FURNISHED WOOD POST	10	EA		
61	SP	DEPARTMENT FURNISHED SIGNAL CABINET FOUNDATIONS	10	EA		
62	SP	DEPARTMENT FURNISHED SIGNAL HEADS	50	EA		
63	SP	DEPARTMENT FURNISHED FLASHERS (POST/Pedestal MOUNT)	6	EA		
64	SP	DEPARTMENT FURNISHED REPLACEMENT VEHICLE SIGNAL LED MODULE	10	EA		
65	SP	DEPARTMENT FURNISHED SIGN (POST MOUNTED)	6	EA		
66	SP	DEPARTMENT FURNISHED SIGN (SPAN MOUNTED)	12	EA		
67	SP	DEPARTMENT FURNISHED MICROWAVE VEHICLE DETECTION	6	EA		
68	SP	DEPARTMENT FURNISHED VIDEO IMAGING LOOP DETECTOR SYSTEM	5	EA		
69	SP	DEPARTMENT FURNISHED VIDEO IMAGING LOOP DETECTOR UNIT	6	EA		
70	SP	DEPARTMENT FURNISHED DETECTOR, WIRELESS MAGNETIC SYSTEM	5	EA		
71	SP	INSTAL AND OR REPLACE ADDITIONAL MAGNETIC SENSOR W/CORED HOLE	5	EA		
72	SP	DEPARTMENT FURNISHED BEACON CONTROLLER ASSEMBLY	8	EA		
73	SP	DEPARTMENT FURNISHED CABINET (BASE MOUNTED) W/BASE EXTENDER	5	EA		
74	SP	DEPARTMENT FURNISHED CABINET (POST MOUNTED)	5	EA		

## ITEMIZED PROPOSAL FOR CONTRACT D7POC388

CONTRACT ID# D7POC388

WBS ELEMENT NO. 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM

COUNTY: ALAMANCE, CASWELL &amp; ORANGE

TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE &amp; REPAIRS

75	SP	RELOCATE EXISTING VEHICLE SIGNAL HEAD	6	EA		
76	SP	CONDUIT REPAIR	5	EA		
77	SP	CABLE REPLACEMENT	3000	LF		
78	SP	ADJUSTMENT OF SPAN OR GUY WIRE ATTACHMENT	10	EA		
79	SP	SPAN AND CABLE TRANSFER TO NEW POLE	5	EA		
80	SP	REMOVAL OF EXISTING VEHICULAR TRAFFIC SIGNAL HEAD	45	EA		
81	SP	REMOVAL OF EXISTING PEDESTRIAN SIGNAL HEAD	10	EA		
82	SP	REMOVAL OF EXISTING FLASHER HEAD ASSEMBLY (POST MOUNT)	4	EA		
83	SP	REMOVAL OF EXISTING FLASHER HEAD ASSEMBLY (SPAN MOUNT)	4	EA		
84	SP	REMOVAL OF EXISTING SIGNS FOR SIGNALS	4	EA		
85	SP	REMOVAL OF EXISTING SPAN WIRE	1000	LF		
86	SP	REMOVAL OF EXISTING CABLE	1500	LF		
87	SP	REMOVAL OF EXISTING BASE MOUNTED CABINET	5	EA		
88	SP	REMOVAL OF EXISTING POLE MOUNTED CABINET	6	EA		
89	SP	REMOVAL OF EXISITING POLE MOUNTED BEACON CONTROLLER CABINET	2	EA		
90	SP	REMOVAL OF BASE MOUNTED CABINET FOUNDATION AND HARDWARE	5	EA		
91	SP	REMOVAL OF EXISTING RISERS	8	EA		
92	SP	REMOVAL OF EXISTING ELECTRICAL SERVICE	4	EA		
93	SP	REMOVAL OF EXISTING WOOD POST	2	EA		
94	SP	REMOVAL OF EXISTING WOOD SIGNAL POLE	10	EA		
95	SP	METAL STRAIN SIGNAL POLE	6	EA		
96	SP	DEPARTMENT FURNISHED METAL STRAIN POLE	8	EA		
97	SP	METAL STRAIN POLE DESIGN	6	EA		
98	SP	METAL STRAIN POLE WITH DUAL MAST ARM	2	EA		
99	SP	METAL STRAIN POLE WITH SINGLE MAST ARM	2	EA		
100	SP	DEPARTMENT FURNISHED MAST ARM(S) POLE	2	EA		

## ITEMIZED PROPOSAL FOR CONTRACT D7POC388

CONTRACT ID# D7POC388

WBS ELEMENT NO. 7.1001SM, 7.1017SM, 7.1068SM, 7.2001SM, 7.2068SM

COUNTY: ALAMANCE, CASWELL &amp; ORANGE

TYPE OF WORK: TRAFFIC SIGNAL INSTALLATION, UPGRADE &amp; REPAIRS

Line Item#	Sect. #	ITEM DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT BID
101	SP	MAST ARM WITH METAL POLE DESIGN	6	EA		
102	SP	METAL SIGNAL POLE REMOVAL	4	EA		
103	SP	METAL POLE FOUNDATION REMOVAL	2	EA		
104	SP	SOIL TEST	10	EA		
105	SP	DRILLED PIER FOUNDATION	50	CY		
106	SP	PROTECTIVE COATING FOR STRAIN POLE	4	EA		
107	SP	PROTECTIVE COATING FOR SINGLE MAST ARM POLE	2	EA		
108	SP	PROTECTIVE COATING FOR DUAL MAST ARM POLE	2	EA		
109	SP	PROTECTIVE COATING FOR SIGNAL PEDESTAL	12	EA		
110	SP	PROTECTIVE COATING FOR PUSHBUTTON POST	10	EA		
TOTAL AMOUNT BID						











