



City of Myrtle Beach
SOUTH CAROLINA

PURCHASING AND
MATERIALS MANAGEMENT

(843) 918-2170
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ADDENDUM 001

January 2, 2020

20-B0009

Grand Dunes Intersection Improvements


A pre-bid meeting was held December 17, 2019. The following were in attendance:

J. Moore Electrical	Woody Moore
Greenwall Construction	Laura Smith
Stantec	David Filiatreou
C. L. Benton & Sons	Edward Benton
W. M. Roebuck	Pierre Rambharose

Please find attached paperwork and drawings furnished as a result of that meeting.

The bid opening date will remain the same, 2:00 Tuesday January 7, 2020.

Thank you for your interest in this project.


Ruth Burleson Garigen/Buyer
City of Myrtle Beach

Stantec
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State On-Call Traffic Signal Cost Estimate Sheet

Contract #: 0

Select Contractor

Project:

* Taken from the Schedule of Payments, SCDOT Fixed Price On-Call Contract, effective 7/7/2014, change order 10/22/2015
[Click here to see contract.](#)

12/19/2019

LINE	PAY ITEM	ESTIMATED QUANTITY	UNIT	DESCRIPTION, SPECIFICATION REFERENCE
1	1031010	1.00	EA	MOBILIZATION (2% of the total cost of work order or minimum of \$200, whichever is greater)
5	1071100	1.00	EA	TRAFFIC CONTROL PRIMARY ROAD PER WORK ORDER (10% of total cost of work order or minimum of \$275, whichever is greater)
18	6750275	80.00	LF	FURNISH & INSTALL 1.0" SCHEDULE 80 PVC CONDUIT
19	6750278	830.00	LF	FURNISH & INSTALL 2.0" SCHEDULE 80 PVC CONDUIT
20	675027C	100.00	LF	FURNISH & INSTALL 3.0" SCHEDULE 80 PVC CONDUIT
23	675027Z	395.00	LF	FURNISH ADDITIONAL 2" CONDUIT WITHIN DIRECTIONAL BORE
24	6770388	1370.00	LF	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR (BLACK)
25	6770389	670.00	LF	FURNISH & INSTALL NO. 14 COPPER WIRE, 4 CONDUCTOR (GRAY)
26	6770393	2800.00	LF	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (BLACK)
27	6770394	1590.00	LF	FURNISH & INSTALL NO. 14 COPPER WIRE, 8 CONDUCTOR (GRAY)
48	6770413	4476.00	LF	FURNISH AND INSTALL NO. 14 COPPER WIRE, 1-CONDUCTOR FOR LOOP WIRE
49	6780495	1494.00	LF	SAWCUT FOR LOOP DETECTOR
70	6800499	1.00	EA	FURNISH AND INSTALL ELECTRICAL SERVICE FOR TRAFFIC SIGNAL (COMPLETE WITH RISER, METER, AND DISCONNECT SWITCH)
73	6800518	11.00	EA	FURNISH AND INSTALL 13"X24"X18"D.ELEC.FLUSH UNDGRD.ENCLOSURE-(STR.POLY.CONC.)HD
74	680052C	1.00	EA	FURNISH AND INSTALL 17"X30"X26"D.ELEC.FLUSH UNDGRD.ENCLOSURE-(STR.POLY.CONC.)HD
85	6825484	1.00	EA	FURNISH AND INSTALL 10' BREAK-AWAY ALUMINUM PEDESTAL POLE AND BASE
91	6865720	4.00	EA	FURNISH AND INSTALL 12" 1-WAY-4 SECTION(RA+RA/YA.GA)VEHICHL TRAFFIC SIGNAL
93	6865731	8.00	EA	FURNISH AND INSTALL 12" 1-WAY-3 SECTION(R.Y.G.)VEHICLE TRAFFIC SIGNAL
114A	6865834a	12.00	EA	FURNISH AND INSTALL BACKPLATE W/ RETROREFL.BORDERS FOR 3 SECTION TRAFF. SIG.
117	6865723	8.00	EA	F&I - 12" 1-WAY-3 SECTION(RA.YA.YAF)VEH TRAFFIC SIGNAL
119	6865783	8.00	EA	FURNISH AND INSTALL 1-WAY-1SECT.(COUNTDOWN HAND/MAN EMBLEM)PED.SIG.HEAD
138	6865794	8.00	EA	FURNISH & INSTALL PEDESTRIAN MICRO ASSEMBLY (9"x15") AND SIGN (R-10-3E)
167	6845511	1.00	EA	FURNISH & INSTALL CONTROLLER AND 332/336 CABINET ASSEMBLY - BASE MOUNTED INC FDN
178	6845518	1.00	EA	FURNISH AND INSTALL BATTERY BACK-UP INCLUDING FOUNDATION
188	6865831	12.00	EA	FURNISH & INSTALL VEHICLE TRAFFIC SIGNAL HEAD MOUNTING ASSEMBLY FOR MAST ARM
200	6888167	4.00	EA	POWDERCOATING PER MAST ARM OVER GALVANIZED
211	7203210	195.00	LF	C&G - CONC.CURB & GUTTER(2'-0")VERT.
213	7206000	15.00	SY	Concrete Median (for at-grade pass-through of raised medians)
214	7209100	95.00	SF	Surface Applied Detectable Warning (placed on existing ramp or on asphalt, not used in new ramp construction)
215	2023000	110.00	SY	Removal and Disposal of Existing Pavement (equal to area of new ramp, includes sidewalk, curb & gutter, etc)
226	6510105	112.00	SF	FURNISH AND INSTALL FLAT SHEET, TYPE III, FIXED SIZE & MESSAGE SIGN (SHOULDER MOUNTED)
227	6510108	30.00	SF	FURNISH AND INSTALL FLAT SHEET, TYPE VIII OR IX, SIZE DETERMINED BY MESSAGE (OVERHEAD)
228	6513020	4.00	EA	FURNISH & INSTALL MOUNTING ASSEMBLY FOR FLAT SHEET SIGN ERCTD ON MAST ARM
236	6271015	875.00	LF	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.
238	6271074	320.00	LF	4" YELLOW SOLID LINES (PVT.EDGE LINES) THERMO-90 MIL.
240	6271030	7.00	EA	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO.-125 MIL.
241	6271035	7.00	EA	WHITE WORD MESSAGE "ONLY" -THERMOPLASTIC - 125 MIL.
244	6319505	500.00	LF	REMOVAL OF PAVEMENT MARKINGS
	6531210	128.00	LF	U-SEC. POST FOR SGN SUPP. -3P
	6531410	8.00	EA	REMOVAL OF U-SECTION POST
	6319515	6.00	EA	REMOVAL OF PAVEMENT MARKINGS
	6271025	205.00	LF	24" WHITE SOLID LINES (STOP/DIAG LINES)-THERMO.-125 MIL
		4.00	EA	DESIGN, FURNISH, & INSTALL STEEL POLE WITH MAST ARM INCLUDING FOUNDATION

PROJECT ID:

COUNTY

1. LIST OF TRAFFIC SIGNALS WITHIN PROJECT

#	Intersection Name	Description of Signal Work
1	US 17 BUSINESS (NORTH KINGS HIGHWAY) & GRANDE DUNES BOULEVARD	NEW TRAFFIC SIGNAL INSTALLATION (MAST ARM)

2. PROJECT DESCRIPTION

This Project is a NEW SIGNAL construction project and involves the signal construction of 1 intersections along US 17 BUSINESS (NORTH KINGS HIGHWAY) in and around CITY OF MYRTLE BEACH South Carolina. The intersections involved are shown on the above "List of Traffic Signals within Project or listed on the plans.
 Specific Description of the signal work: SIGNAL IMPROVEMENTS AS SHOWN IN THE PLANS. CONTRACTOR WILL FURNISH AND INSTALL ALL EQUIPMENT UNLESS OTHERWISE NOTED.

3. PAY ITEM ADDITIONAL INFORMATION (if no changes, this can be eliminated)

Below is more information concerning any changes, revisions, or clarifications to the SCDOT Traffic Signal Supplemental Specifications and/or pay items for this particular contract:

Mobilization:

Wiring:

Pull wiring into the signal head prior to stripping back the outer covering. Failure to adhere to this procedure may require additional wiring to be pulled from the cabinet prior to acceptance. For pedestrian pushbuttons, provide one 8-C gray to each corner to provide spare

Communications:

Detection:

Signal Supports:

Mast Arm support is located within SCDOT specified 130 MPH Wind Zone. Design of mast arms and the support structure should include considerations for this design wind speed

Signal Heads, Pedestrian Treatments, Illuminated signs, solar flashing assemblies:

Use black polycarbonate for traffic signal heads. Bulldog style pedestrian pushbuttons should be used. Clam shell mounting should be used for pedestrian signal heads.

Cabinet Items:

Controller shall either be furnished blank for download by the signal shop or furnished with version 65.4 from the factory.

Service Items:

4. EQUIPMENT (Only needed if SCDOT is providing equipment to be installed by contractor.)

6.1 SCDOT Provided Equipment (Provide a list of equipment, location of equipment, details concerning equipment & installation)

6.2 Faulty Equipment

- When SCDOT supplied equipment is designated faulty by the Engineer, the Contractor shall return it to the Manufacturer for replacement if it is under warranty, The Manufacturer shall furnish a replacement unit.
- When SCDOT supplied equipment is designated faulty by the Engineer and it is not under warranty, SCDOT shall replace the equipment.

5. SIGNAL INTEGRATION (Only needed if different than the default. The default wording in the Supplemental Specifications (675.0 General Provisions 1.10) indicates SCDOT or local government signal maintenance staff will perform integration. If different than that, list what entity will perform integration.)

- The _____ will perform integration in accordance with the Supplemental Specifications, 675.0 General Provisions.

6. MAINTENANCE DURING CONSTRUCTION – (Only needed if different than the default. The default wording in the Supplemental Specifications (675.0 General Provisions 1.5) indicates that this begins at the contract NTP (notice to proceed) for all signals in the contract. If different than that, list whether maintenance begins at:

- a. When a work order is assigned by construction office
- b. When the contractor begins work at a signal
- c. Other option

7. CONTRACT SCHEDULE – (Only needed if different than the default. The default wording in the Supplemental Specifications indicates that contractor will to provide weekly schedule for all signal work. If SCDOT determines a need to set the schedule, indicate such below:)
Example wording:

This is a "TURN-KEY" project where work is assigned using a work order system. Once work orders have been assigned to the **CONTRACTOR**, he shall furnish the Engineer with a **WEEKLY SCHEDULE** for all active traffic signal construction work orders, each Friday, for the week to come, listing the location and date of each intended activity. This will permit scheduling signal inspection personnel. Deviation from this schedule may cause the Department to delay Inspection and Payments.