

DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER 2

DATE: January 20, 2020

PROJECT: Buckingham Road Culvert Replacement

CONTRACT NUMBER: SD-2020-03

OWNER: The City of Durham

ENGINEER: The John R. McAdams Company, Incorporated

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated December 18, 2019; Addendum No. 1, dated January 8, 2020; with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 10 pages.

CHANGES TO THE PROJECT MANUAL (2 pages)

1. Remove cover sheets 1 and 2 and replace with the cover sheets included with this addendum.

DOCUMENT 00 01 10 - TABLE OF CONTENTS (2 pages)

2. Remove document 00 01 10 – TABLE OF CONTENTS, dated January 8, 2020 and replace with document 00 01 10 – TABLE OF CONTENTS, dated January 20, 2020 included with this addendum.

DOCUMENT 00 11 16 – INVITATION TO BID (0 pages)

3. The City of Durham will open sealed formal Bids submitted by Bidders at 1:30 pm, Wednesday, January 29, 2020 for Contract SD-2020-03, Project: Buckingham Road Culvert Replacement in the Public Works Department Conference Room, Third Floor, 101 City Hall Plaza, Durham NC.

DOCUMENT 00 41 43 – BID FORM – UNIT PRICE (SINGLE PRIME CONTRACT) (1 page)

4. Remove the UNIT PRICE WORK FORM found in document 00 41 43 – BID FORM – UNIT PRICE (SINGLE-PRIME CONTRACT), dated December 18, 2019 and replace with UNIT PRICE WORK FORM, dated January 20, 2020 included with this addendum.

DOCUMENT 00 52 15 – AGREEMENT FORM – EJCDC STIPULATED SUM (SINGLE-PRIME CONTRACT) (1 page, same as no. 4 above)

5. Remove the UNIT PRICE WORK FORM found in document 00 52 15 – AGREEMENT FORM – EJCDC STIPULATED SUM (SINGLE-PRIME CONTRACT), dated December 18, 2019 and replace with UNIT PRICE WORK FORM, dated January 20, 2020 included with this addendum.

REQUESTS FOR INFORMATION AND CLARIFICATION (2 pages)

6. Unit Price Work item B13 for Select Backfill Material (Class II)
 - a. Please explain the connection between NCDOT 410 Foundation Excavation and the bid item for Select Backfill Material (Class II).
 - i. NCDOT Standard Specification 414 states “provide suitable backfill material compensated in accordance with Subarticle 410-10(C).” Item B13 is the suitable backfill in this Work. Subarticle 410-10(C) allows for payment to “provide backfill material from sources other than excavated areas or borrow sources used in connection with other work in the contract.”
 - b. Is the culvert and surrounding backfilled completely with NCDOT, Class II Select Backfill up to subgrade?
 - i. This question can only be answered once the culvert excavation is complete. Existing Site material that is tested and determined to be suitable may be used as backfill for the new culvert.
 - c. Is there any intent to reuse excavated soil materials as backfill, embankment fill, or similar? If so, under what bid item(s) will contractor be paid for placement of soil materials as backfill, embankment fill, or similar?
 - i. Existing Site material that is tested and determined to be suitable may be used as backfill for the new culvert. Placing and compacting backfill material from on-site or off-site is incidental to the Work (NCDOT Standard Specifications 410-11(C) and 414-9).
7. Unit Price Work item B49 for Sanitary Sewer Bypass Pumping Operation
 - a. Would it be possible to provide peak flow and average daily flow in the existing sewer system to be pumped in connection with this item?
 - i. The City of Durham Water Management Department manages the sanitary sewer system. The Department does not have flow monitoring in this area.
 - b. Would it be possible to provide any project specific bypass requirements and/or specifications as there is no specification reference for this work on the bid form?
 - i. The “Sanitary Sewer Bypass Plan,” found on Drawing P-2, includes specific bypass requirements.
8. Unit Price Work item B50 for Water, Sewer, & Gas Service Adjustments and Document 30 11 00 - Project Special Provisions
 - a. Please provide additional information including location, details and any specification requirements for all “Gas Service” aspects of this project work for which the contractor will be responsible to complete.

- i. Gas Service Adjustment shall be addressed as part of the Utility Line/Pole Relocation and Coordination allowances. Gas Service Adjustments has been removed from this Unit Price Work item.
 - b. Please consider moving any required gas service work by contractor to the Utility Line/Pole Relocation and Coordination Allowance.
 - i. Gas Service Adjustment shall be addressed as part of the Utility Line/Pole Relocation and Coordination allowances. Gas Service Adjustments have been removed from this Unit Price Work item.
 - c. Please clarify or explain how the provided quantity of two (2) each was determined for B50 as shown on bid form (e.g., what type of service, location, etc.).
 - i. The need for one water service adjustment is shown on Drawing C-5 (2933 Buckingham Road). The second water/sewer service adjustment has not been identified at this time. This second adjustment is included in the event that the need arises as part of the Work.
9. Number Item 21.e of Pre-Bid Conference minutes indicates that the contract includes a Utility Line/Pole Relocation and Coordination Allowance.
 - a. Please clarify and provide list of all utilities that are covered in this allowance for the project (e.g., gas, fiber optic, overhead electrical/cable tv/phone/other, etc.).
 - i. The Engineer has identified the following public utilities are located on Site: water and sanitary sewer (City of Durham, Water Management Department). The Engineer has identified the following private utilities are located on Site: natural gas (Dominion Energy), telecommunications (AnSCO/AT&T), and power (Duke Energy). The Engineer has provided preliminary coordination with the private utilities including an on-site meeting held on May 9, 2019. Minutes of that meeting are included with this addendum. The Contractor shall locate all existing utilities that may be encountered during the Work (Section C-700, paragraph 6.13.E). The Contractor shall contact North Carolina 811 (www.nc811.org) in advance of performing any work at the Site. All existing private utilities found at the Site that may need relocation as part of the Work are included in the Utility Line/Pole Relocation and Coordination Allowance
 - b. Please consider moving any required “gas service” work by contractor to the Utility Line/Pole Relocation and Coordination Allowance such as line item B50 for Buckingham Road.
 - i. Gas Service Adjustment shall be addressed as part of the Utility Line/Pole Relocation and Coordination allowances. Gas Service Adjustments has been removed from this Unit Price Work item.

END OF DOCUMENT

CITY OF DURHAM
PROJECT MANUAL

INCLUDING

**BIDDING DOCUMENTS, CONTRACT DOCUMENTS, AND
TECHNICAL SPECIFICATIONS**

FOR



**CITY OF
DURHAM**



CONTRACT: SD-2020-03
Issued: December 18, 2019
Revised: January 8, 2020 and January 20, 2020

Project:
Buckingham Road Culvert Replacement

Stormwater & GIS Services Division
Public Works Department
101 City Hall Plaza, Durham NC 27701

CONTRACT: SD-2020-03

Issued: December 18, 2019

Revised: January 8, 2020 and January 20, 2020

PROJECT:

Buckingham Road Culvert Replacement

**STORMWATER & GIS SERVICES DIVISION
PUBLIC WORKS DEPARTMENT
CITY OF DURHAM NC**

DOCUMENT 00 01 10

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ADDENDA

00 91 13 Addendum Number 1
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END OF SECTION

BUCKINGHAM ROAD CULVERT REPLACEMENT (SD-2020-03)

UNIT PRICE WORK FORM

Standard							
No.	Specification	Drawing	Item Description	Unit	Quantity	Unit Price	Item Value
Abandonment, Demolition, and Removal							
B1	NCDOT 200	N/A	Supplementary Clearing and Grubbing	AC	0.25		
B2	NCDOT 200	N/A	Select Tree Removal (4 to 8-inch diameter)	EA	7		
B3	NCDOT 200	N/A	Select Tree Removal (8.1 to 16-inch diameter)	EA	13		
B4	NCDOT 200	N/A	Select Tree Removal (16.1 to 24-inch diameter)	EA	5		
B5	NCDOT 250	N/A	Removal of Existing Asphalt Pavement	SY	425		
B6	NCDOT 250	N/A	Removal of Existing Concrete Pavement	SY	35		
B7	N/A	N/A	Removal of Existing Drainage Structure	EA	1		
B8	N/A	N/A	Temporary Relocation of Mailbox	EA	2		
Subtotal for Abandonment, Demolition, and Removal							
Earthwork							
B9	NCDOT 226	N/A	Grading	LS	1		
B10	NCDOT 230	N/A	Borrow Excavation (Topsoil)	CY	120		
B11	NCDOT 412	N/A	Unclassified Structure Excavation	CY	50		
B12	NCDOT 414	N/A	Culvert Excavation	LS	1		
B13	NCDOT 410/1016	N/A	Select Backfill Material (Class II)	CY	150		
Subtotal for Earthwork							
Soil Erosion and Sediment Control							
B14	NCDOT 876	N/A	Rip Rap, Class 1	TN	190		
B15	NCDOT 876/1056	N/A	Geotextile for Drainage (Type 2)	SY	100		
B16	NCDOT 270/1056	N/A	Geotextile for Soil Stabilization (Type 4)	SY	150		
B17	NCDOT 1605	NCDOT 1605.01	Temporary Silt Fence	LF	500		
B18	NCDOT 1610	NCDOT 1607.01	Stone for Erosion Control, Class A	TN	10		
B19	NCDOT 1607	NCDOT 1607.01	Gravel Construction Entrance	EA	1		
B20	NCDOT 1660	N/A	Seeding and Mulching	SY	850		
B21	30 11 00	N/A	Tree Protection Fencing	LF	300		
B22	30 11 00	N/A	Surface Water Diversion/Pump Around	LS	1		
B23	30 11 00	N/A	Coir Fiber Matting (C700)	SY	375		
B24	30 11 00	N/A	Sediment Filter Bag	EA	4		
Subtotal for Soil Erosion and Sediment Control							
Traffic Control							
B25	NCDOT 1110	N/A	Work Zone Signs (Stationary)	SF	160		
B26	NCDOT 1110	N/A	Work Zone Signs (Barricade Mounted)	SF	128		
B27	NCDOT 1110	N/A	Work Zone Signs (Portable)	SF	128		
B28	NCDOT 1130	N/A	Drums	EA	8		
B29	NCDOT 1145	N/A	Barricades (Type III)	LF	60		
B30	NCDOT 1150	N/A	Flaggers	HR	4		
B31	NCDOT 1170	N/A	Water Filled Barrier	LF	30		
Subtotal for Traffic Control							
Paving							
B32	NCDOT 520	N/A	Aggregate Base Course	TN	50		
B33	NCDOT 610	N/A	Asphalt Concrete Intermediate Course, Type I19.0B	TN	75		
B34	NCDOT 610	N/A	Asphalt Concrete Surface Course, Type S9.5B	TN	50		
B35	NCDOT 620	N/A	Asphalt Binder for Plant Mix	TN	10		
B36	NCDOT 848	CoD SSD	6-inch Concrete Driveway City Detail No. ST-9.0 and ST-10.0	SY	35		
Subtotal for Paving							
Storm Drainage							
B37	NCDOT 414	N/A	Foundation Conditioning Material, Box Culvert	TN	125		
B38	NCDOT 840	NCDOT 840.51/840.53	Manhole (0 to 5-feet)	EA	1		
B39	NCDOT 840	NCDOT 840.54	Manhole Frame and Cover	EA	1		
B40	NCDOT 840	N/A	Pipe Collars	CY	1		
B41	NCDOT 310	NCDOT 300.01	15-inch R.C. Pipe Culverts, Class III (0 to 5-feet)	LF	20		
B42	NCDOT 420	N/A	Class A Concrete	CY	35		
B43	NCDOT 425	N/A	Reinforcing Steel	LB	1340		
B44	30 11 00	N/A	Pre-Cast Concrete Box Culvert (16-foot wide by 6-foot high, 61.0-foot CL)	LS	1		
Subtotal for Storm Drainage							
Utilities							
B45	NCDOT 858	N/A	Adjustment of Manholes	EA	1		
B46	NCDOT 858	N/A	Adjustment of Meter Boxes or Valve Boxes	EA	2		
B47	NCDOT 1510	N/A	8-inch Water Line (DIP)	LF	90		
B48	NCDOT 1520	N/A	8-inch Sanitary Gravity Sewer (DIP)	LF	60		
B49	N/A	N/A	Sanitary Sewer Bypass Pumping Operation	LS	1		
B50	30 11 00	N/A	Water and Sewer Service Adjustments	EA	2		
B51	N/A	N/A	Adjustment of Existing Water Valves	EA	2		
B52	N/A	N/A	Furnish and Install New 8-inch Gate Valve	EA	2		
B53	30 11 00	N/A	Utility Line/Pole Relocation and Coordination Allowances	LS	1	\$10,000.00	\$10,000.00
Subtotal for Utilities							
Miscellaneous							
B54	NCDOT 800	N/A	Mobilization (Single Large Project)	LS	1		
B55	NCDOT 867	N/A	48-inch Fence Reset	LF	50		
B56	30 11 00	N/A	Testing and Inspecting Allowances	LS	1	\$10,000.00	\$10,000.00
B57	30 11 00	N/A	Construction Surveying and As-Built Survey	LS	1		
Subtotal for Miscellaneous							
Stream Restoration							
B58	30 11 00	N/A	Live Stakes	EA	300		
B59	30 11 00	N/A	Tubelings and Rooted Plant Plugs	EA	650		
B60	30 11 00	N/A	Riparian Seeding	SY	675		
Subtotal for Stream Restoration							
Total for SD-2020-03							

PRIVATE UTILITY MEETING**BUCKINGHAM ROAD CULVERT REPLACEMENT PROJECT****MAY 9, 2019****McADAMS PROJECT #: DUR-18000****LOCATION: ON-SITE****Attendees:**

Dana Hornkohl – Project Manager, City of Durham Stormwater & GIS Services

Chris Stanley –Project Manager, McAdams

Rebecca Stubbs – Project Engineer, McAdams

Jeremy McFalls – Dominion Energy

Derek Thompson – Ansco/AT&T

Andrew Harrington – AT&T

Craig Hight – AT&T

Don Daniels – Duke Energy

Maria Mendoza – Duke Energy

MEETING MINUTES

The City of Durham and its project design team, McAdams, held a meeting on-site Thursday morning, May 9, 2019 with various private utility entities to discuss project and utility impacts, schedule and share contact information for the City's Buckingham Road Culvert Replacement Project. Outlined below is a brief summary of discussion and action items.

ITEM	DESCRIPTION
1.	Chris Stanley of McAdams began the meeting by providing an overview of the project team and points of contact. Chris will serve as Project Manager and primary point of contact from the design engineer side, with Rebecca Stubbs serving as a secondary POC from McAdams; Dana Hornkohl will serve as the City of Durham's main point of contact.
2.	McAdams provided an overview of the project, which will include primarily installation of a single 16' wide by 6' high Reinforced Concrete Box Culvert (RCBC); replacement of existing sanitary sewer and water crossing the culvert; construction of new headwall/endwall structures; and associated grading, streambank stabilization and roadway repairs.

3.	A summary of anticipated project schedule was provided – McAdams is estimating project will be ready for bidding by late summer (August) with a start date of early fall expected.
4.	Impacted and/or nearby utilities include overhead power (Duke Energy); gas (Dominion); phone (AT&T). All phone is below grade. Overhead power also includes Spectrum and Frontier Com. Power pole is owned by Duke Energy.
5.	Existing phone and utility box located adjacent to the sanitary sewer manhole will likely need to be relocated to south side of existing sanitary sewer manhole near downstream end of culvert.
6.	All private utilities will be notified and invited to the preconstruction conference to coordinate any final relocation efforts needed.
7.	Engineer will confirm whether boxes will be set by crane (most likely) or other means; contractor will need to ensure horizontal and vertical clearances from existing overhead power.
8.	Dominion Energy will need to confirm if gas is fed from both ends; gas line may need to be cut/capped during construction at culvert crossing when setting precast culvert sections. Gas line is currently being suspended/supported at the road crossing. Contractor will need to coordinate with DEI prior to construction to make any arrangements as necessary.
9.	Meeting was concluded at 10:45 a.m.