



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

April 11, 2023

**Addendum No. 1**

RE: Contract # C204741

WBS # 45762.3.1

FEDERAL AID NO. NHP-0029(062)

**Cabarrus County (B-5808)**

BRIDGES #57 AND #59 OVER IRISH BUFFALO CREEK ON US-29 AND US-601.

**April 18, 2023 Letting**

To Whom It May Concern:

Reference is made to the proposal and plans furnished to you on this project.

The following revisions have been made to the Utilities by Others Plans.

Sheet No.	Revision
UO-1 thru UO-4	Sheets revised to include Google Fiber.

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 04-11-2023".
G-3	The project special provision entitled <b>CONTRACT TIME AND LIQUIDATED DAMAGES</b> has been revised. The project special provision entitled <b>INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES</b> has been revised.
G-19	The project special provision entitled <b>SCHEDULE OF ESTIMATED COMPLETION PROGRESS</b> has been revised.
UBO-1 thru UBO-3, UBO-4 (New)	Unit Project Special Provision entitled <b>UTILITIES BY OTHERS</b> has been revised to include Google Fiber.

Mailing Address:  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT  
1591 MAIL SERVICE CENTER  
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900  
Fax: (919) 250-4127  
Customer Service: 1-877-368-4968

Location:  
1020 BIRCH RIDGE DR.  
RALEIGH, NC 27610

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

<b>Page No.</b>	<b>Revision</b>
GT-4.1 (New)	Geotechnical Unit Project Special Provision entitled <b>PHASE 1 - APPROACH FILL WAITING PERIOD</b> has been added.

Please void the above listed Pages in your proposal and staple the revised Pages thereto.  
Staple New Page UBO-4 after revised UBO-3 in your proposal.  
Staple New Page GT-4.1 after existing GT-3.1 in your proposal.

On the item sheets the following pay item revision has been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0191-6070000000-N 1639	SPECIAL STILLING BASINS	NEW ITEM	4 EA

The Contractor's bid must include this pay item revision.

The electronic bidding file has been updated to reflect this revision. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
  
F81B6038A47A442...

Ronald E. Davenport, Jr., PE  
State Contract Officer

RED/cms  
Attachments

cc: Mr. Boyd Tharrington, PE  
Mr. Brett D. Canipe, PE  
Mr. Ken Kennedy, PE  
Mr. Mike Gwyn  
Project File (2)

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Mr. Jon Weathersbee, PE

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 04-11-2023**

DATE AND TIME OF BID OPENING: **Apr 18, 2023 AT 02:00 PM**

CONTRACT ID C204741  
WBS 45762.3.1

FEDERAL-AID NO. NHP-0029(062)  
COUNTY CABARRUS  
T.I.P NO. B-5808  
MILES 0.178  
ROUTE NO. US-29  
LOCATION BRIDGES #57 AND #59 OVER IRISH BUFFALO CREEK ON US-29 AND US-601.

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

**NOTICE:**

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

---

**CONTRACT TIME AND LIQUIDATED DAMAGES:**

(8-15-00) (Rev. 12-18-07)

108

SP1 G07 A

The date of availability for this contract is **July 10, 2023**, except that work in jurisdictional waters and wetlands shall not begin until a meeting between the DOT, Regulatory Agencies, and the Contractor is held as stipulated in the permits contained elsewhere in this proposal. This delay in availability has been considered in determining the contract time for this project.

The completion date for this contract is **April 30, 2027**.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Hundred Dollars (\$ 200.00)** per calendar day. These liquidated damages will not be cumulative with any liquidated damages which may become chargeable under Intermediate Contract Time Number 1.

**INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 2-21-12)

108

SP1 G13 A

Except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is **July 10, 2023**.

The completion date for this intermediate contract time is **November 1, 2026**.

The liquidated damages for this intermediate contract time are **One Thousand Five Hundred Dollars (\$ 1,500.00)** per calendar day.

Upon apparent completion of all the work required to be completed by this intermediate date, a final inspection will be held in accordance with Article 105-17 and upon acceptance, the Department will assume responsibility for the maintenance of all work except *Planting, Reforestation* and/or *Permanent Vegetation Establishment*. The Contractor will be responsible for and shall make corrections of all damages to the completed roadway caused by his planting operations, whether occurring prior to or after placing traffic through the project.

**SCHEDULE OF ESTIMATED COMPLETION PROGRESS:**

(7-15-08) (Rev. 7-19-22)

108-2

SP1 G58

The Contractor's attention is directed to the Standard Special Provision entitled *Availability of Funds Termination of Contracts* included elsewhere in this proposal. The Department of Transportation's schedule of estimated completion progress for this project as required by that Standard Special Provision is as follows:

	<b><u>Fiscal Year</u></b>	<b><u>Progress (% of Dollar Value)</u></b>
2024	(7/01/23 - 6/30/24)	<b>40%</b> of Total Amount Bid
2025	(7/01/24 - 6/30/25)	<b>34%</b> of Total Amount Bid
2026	(7/01/25 - 6/30/26)	<b>22%</b> of Total Amount Bid
2027	(7/01/26 - 6/30/27)	<b>4%</b> of Total Amount Bid

The Contractor shall also furnish his own progress schedule in accordance with Article 108-2 of the *2018 Standard Specifications*. Any acceleration of the progress as shown by the Contractor's progress schedule over the progress as shown above shall be subject to the approval of the Engineer.

**DISADVANTAGED BUSINESS ENTERPRISE:**

(10-16-07)(Rev. 8-17-21)

102-15(J)

SP1 G61

**Description**

The purpose of this Special Provision is to carry out the U.S. Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with Federal funds. This provision is guided by 49 CFR Part 26.

**Definitions**

*Additional DBE Subcontractors* - Any DBE submitted at the time of bid that will not be used to meet the DBE goal. No submittal of a Letter of Intent is required.

*Committed DBE Subcontractor* - Any DBE submitted at the time of bid that is being used to meet the DBE goal by submission of a Letter of Intent. Or any DBE used as a replacement for a previously committed DBE firm.

*Contract Goal Requirement* - The approved DBE participation at time of award, but not greater than the advertised contract goal.

*DBE Goal* - A portion of the total contract, expressed as a percentage, that is to be performed by committed DBE subcontractor(s).

*Disadvantaged Business Enterprise (DBE)* - A firm certified as a Disadvantaged Business Enterprise through the North Carolina Unified Certification Program.

*Goal Confirmation Letter* - Written documentation from the Department to the bidder confirming the Contractor's approved, committed DBE participation along with a listing of the committed DBE firms.

**PHASE 1 - APPROACH FILL WAITING PERIOD**

**(SPECIAL)**

For Stage 1 Bridge Construction, observe an approximate 2 month waiting period after constructing the embankment, end bent, and bridge approach fill before beginning approach slab construction at End Bent Nos. 1 and 2. For bridge waiting periods, see Roadway Plans and Section 235 of the Standard Specifications. Before beginning the waiting period, install 2 settlement hubs per end bent (total of 4), survey the hubs initially and every 3 to 4 days thereafter for relative movement and submit the data to the engineer weekly. The Engineer will determine when the waiting period ends and bridge approach slab construction can begin. No payment will be made for the settlement hubs as they are incidental to other items in the contract.



DocuSigned by:  
*Michael H. Stephens*  
8196315B3C7046C...

04/11/2023

PROJECT SPECIAL PROVISIONS

## Utilities by Others

**General:**

The following utility companies have facilities that will be in conflict with the construction of this project:

- A) City of Concord - Power (Transmission)
- B) City of Concord – Power (Distribution)
- C) City of Concord – Communications
- D) AT&T – Communications
- E) Google Fiber - Communications
- F) Segra – Communications
- G) Windstream – Communications
- H) Dominion Energy – Gas (Transmission)

The conflicting facilities of these concerns will be adjusted prior to the date of availability, unless otherwise noted and are therefore listed in these special provisions for the benefit of the Contractor. All utility work listed herein will be done by the utility owners. All utilities are shown on the plans from the best available information.

The Contractor's attention is directed to Article 105-8 of the 2018 Standard Specifications.

**Utilities Requiring Adjustment:**

Utility relocations are shown on the Utilities by Others Plans.

- A) City of Concord (COC) – Power (Transmission)
  - 1) COC will install new poles on the same alignment to eliminate project conflicts on the east side of US 29/US 601 and will install a new pole alignment on the west side of US 29/US 601. Their relocations will begin in May of 2023 due to seasonal restrictions and will be complete by June 30<sup>th</sup>, 2023.

During bridge construction on the west side of US 29/US 601, COC has agreed to remove their OH transmission line for up to twelve (12) weeks during the following time frames mid-April to late June in spring and late August to early November in fall. They will NOT be able to de-energize and remove these lines outside of the provided durations due to energy demand. All bridge activity requiring the removal of this line can only occur during the noted durations. COC requires two (2) weeks' notice to schedule and one (1) week to de-

PROJECT SPECIAL PROVISIONS

## Utilities by Others

energize and remove the lines. COC requires two (2) weeks' notice to schedule and two (2) weeks to reconnect their lines. No bridge activity can occur during their removal and reconnection timeframes.

- 2) Contact person for City of Concord:  
Brandon Hargett  
[hargettb@concordnc.gov](mailto:hargettb@concordnc.gov)  
704-920-5324
- B) City of Concord – Power (Distribution)
- 1) COC will transfer their distribution power lines to their new pole alignment when they perform the transmission relocation. This relocation will be complete by June 30<sup>th</sup>, 2023.
  - 2) Contact person for City of Concord:  
Brandon Hargett  
[hargettb@concordnc.gov](mailto:hargettb@concordnc.gov)  
704-920-5324
- C) City of Concord – Communications
- 1) COC will transfer their fiber to their new pole alignment along the east side of US 29/US 601 when they perform the transmission relocation. This relocation will be complete by June 30<sup>th</sup>, 2023.
  - 2) Contact person for City of Concord:  
Brandon Hargett  
[hargettb@concordnc.gov](mailto:hargettb@concordnc.gov)  
704-920-5324
- D) AT&T – Communications
- 1) AT&T will relocate their underground facilities throughout the project further west from US 29/US 601 and out of conflict with the project. AT&T and Segra will be in a joint bore from south of Poplar Tent Road to after bore under the creek. AT&T's relocation will be completed by July 1, 2023.
- AT&T will be crossing over the proposed 42-in drainage crossing at the bridge. They require a two (2) weeks' notification prior to exposing their line to have a representative on-site to protect and secure their lines during drainage construction.
- 2) Contact person for AT&T:  
David Poli  
[Dp2170@att.com](mailto:Dp2170@att.com)  
704-526-7054

PROJECT SPECIAL PROVISIONS

## Utilities by Others

## E) Google Fiber – Communications

- 1) Google will install their underground facilities on the north side of Poplar Tent Road, cross under US 29/US 601 at a minimum depth of 15 feet, and tie back to their existing facilities on McGill Avenue outside the project limits. Google also plans to install an underground fiber on the west side of US 29/US 601. They plan to be 3 feet deep at the 42-in drainage crossing, so the contractor will coordinate with them during that drainage installation. This is all new construction, so no completion date has been finalized.

- 2) Contact person for Google:

Michael Baker

[blegault@telics.com](mailto:blegault@telics.com)

828-781-2464

## F) Segra – Communications

- 1) Segra will relocate their underground facilities further west from US 29/US 601 and out of conflict with the project. Segra and AT&T will perform a joint trench from south of Poplar Tent to north of creek crossing. Segra's relocation will be completed by 6/30/2023.

Segra will be crossing over the proposed 42-in drainage crossing at the bridge. They require a two (2) weeks' notification prior to exposing their line to have a representative on-site to protect and secure their lines during drainage construction.

- 2) Contact person for Segra:

Brad Legault

[blegault@telics.com](mailto:blegault@telics.com)

828-781-2464

## G) Windstream – Communications

- 1) Windstream will relocate aerially to COC's new transmission poles and will take six weeks following the relocations of COC's aerial transmission and distribution power and fiber lines.

- 2) Contact person for Windstream:

Wesley Carlisle

[Wesley.N.Carlisle@windstream.com](mailto:Wesley.N.Carlisle@windstream.com)

980-250-2269

PROJECT SPECIAL PROVISIONS

Utilities by Others

H) Dominion Energy – Gas (Transmission)

1) Dominion Energy will install a new gas line to eliminate the conflict with the 42” RCP drainage pipe. This relocation will be an offset at the drainage crossing. Dominion’s relocation will be completed by 4/30/2023.

2) Contact person for Dominion Energy:

Benjamin Gaughan

[Benjamin.J.Gaughan@dominionenergy.com](mailto:Benjamin.J.Gaughan@dominionenergy.com)

330-571-6711

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0028000000-N	SP	TYPE I STANDARD APPROACH FILL STATION ***** (20+64.00-L-)	Lump Sum	L.S.	
0004	0036000000-E	225	UNDERCUT EXCAVATION	450 CY		
0005	0043000000-N	226	GRADING	Lump Sum	L.S.	
0006	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0007	0134000000-E	240	DRAINAGE DITCH EXCAVATION	70 CY		
0008	0195000000-E	265	SELECT GRANULAR MATERIAL	400 CY		
0009	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	700 SY		
0010	0199000000-E	SP	TEMPORARY SHORING	1,040 SF		
0011	0255000000-E	SP	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	50 TON		
0012	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	120 TON		
0013	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	380 SY		
0014	0396000000-E	310	42" RC PIPE CULVERTS, CLASS III	196 LF		
0015	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	864 LF		
0016	0576000000-E	310	*** CS PIPE CULVERTS, ***** THICK (12", 0.064")	18 LF		
0017	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	48 LF		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	2 EA		
0019	0995000000-E	340	PIPE REMOVAL	659 LF		
0020	1099500000-E	505	SHALLOW UNDERCUT	100 CY		
0021	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	200 TON		
0022	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	1,660 SY		
0023	1330000000-E	607	INCIDENTAL MILLING	930 SY		
0024	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	690 TON		
0025	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	780 TON		
0026	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	1,110 TON		
0027	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	140 TON		
0028	2000000000-N	806	RIGHT-OF-WAY MARKERS	28 EA		
0029	2022000000-E	815	SUBDRAIN EXCAVATION	45 CY		
0030	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	200 SY		
0031	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	34 CY		
0032	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	200 LF		
0033	2070000000-N	815	SUBDRAIN PIPE OUTLET	1 EA		
0034	2077000000-E	815	6" OUTLET PIPE	6 LF		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	2 EA		
0036	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	29 EA		
0037	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	18.4 LF		
0038	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	6 EA		
0039	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	2 EA		
0040	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	8 EA		
0041	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	3 EA		
0042	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	3 EA		
0043	2396000000-N	840	FRAME WITH COVER, STD 840.54	5 EA		
0044	2407000000-N	840	STEEL FRAME WITH TWO GRATES, STD 840.37	4 EA		
0045	2418000000-E	SP	FRAME WITH GRATES, DRIVEWAY DROP INLET	36 LF		
0046	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	6 EA		
0047	2535000000-E	846	*** X *** CONCRETE CURB (9" X 18")	120 LF		
0048	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	190 LF		
0049	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	1,340 LF		
0050	2591000000-E	848	4" CONCRETE SIDEWALK	430 SY		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0051	2605000000-N	848	CONCRETE CURB RAMPS	6 EA		
0052	2612000000-E	848	6" CONCRETE DRIVEWAY	40 SY		
0053	2647000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	360 SY		
0054	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	140 SY		
0055	2815000000-N	858	ADJUSTMENT OF DROP INLETS	2 EA		
0056	2860000000-N	859	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX	1 EA		
0057	2905000000-N	859	CONVERT EXISTING DROP INLET TO JUNCTION BOX	3 EA		
0058	3030000000-E	862	STEEL BEAM GUARDRAIL	200 LF		
0059	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	50 LF		
0060	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	2 EA		
0061	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0062	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	1 EA		
0063	3360000000-E	863	REMOVE EXISTING GUARDRAIL	930 LF		
0064	3380000000-E	862	TEMPORARY STEEL BEAM GUARDRAIL	62.5 LF		
0065	3382000000-E	862	TEMPORARY STEEL BEAM GUARDRAIL (SHOP CURVED)	12.5 LF		
0066	3387000000-N	SP	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (III)	2 EA		
0067	3389150000-N	SP	TEMPORARY GUARDRAIL END UNITS, TYPE ***** (TL-3)	1 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0068	3389500000-N	865	ADDITIONAL GUIDERAIL POSTS	5 EA		
0069	3436000000-N	862	GENERIC GUARDRAIL ITEM TEMPORARY GUARDRAIL END UNITS,TYPE CAT-1	2 EA		
0070	3628000000-E	876	RIP RAP, CLASS I	20 TON		
0071	3635000000-E	876	RIP RAP, CLASS II	940 TON		
0072	3649000000-E	876	RIP RAP, CLASS B	90 TON		
0073	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,510 SY		
0074	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	215 LF		
0075	4102000000-N	904	SIGN ERECTION, TYPE E	1 EA		
0076	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (D)	1 EA		
0077	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (E)	6 EA		
0078	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (F)	3 EA		
0079	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	10 EA		
0080	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	111 SF		
0081	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	96 SF		
0082	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	44 SF		
0083	4415000000-N	1115	FLASHING ARROW BOARD	1 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0084	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	2 EA		
0085	4422000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	2 DAY		
0086	4430000000-N	1130	DRUMS	150 EA		
0087	4445000000-E	1145	BARRICADES (TYPE III)	72 LF		
0088	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	12 LF		
0089	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	3 EA		
0090	4470000000-N	1160	REMOVE & RESET TEMPORARY CRASH CUSHION	1 EA		
0091	4480000000-N	1165	TMA	1 EA		
0092	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	1,040 LF		
0093	4510000000-N	1190	LAW ENFORCEMENT	32 HR		
0094	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	3,143 LF		
0095	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	427 LF		
0096	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	439 LF		
0097	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	8 EA		
0098	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	15 EA		
0099	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (I)	912 LF		
0100	4780000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (8") (I)	141 LF		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0101	4805000000-N	1205	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (I)	3 EA		
0102	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	4,604 LF		
0103	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	174 LF		
0104	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	36 LF		
0105	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0106	5326600000-E	1510	16" WATER LINE	182 LF		
0107	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	1,910 LB		
0108	5540000000-E	1515	6" VALVE	1 EA		
0109	5666000000-N	1515	FIRE HYDRANT	1 EA		
0110	5673000000-E	1515	FIRE HYDRANT LEG	27 LF		
0111	5691400000-E	1520	10" SANITARY GRAVITY SEWER	167 LF		
0112	5775000000-E	1525	4' DIA UTILITY MANHOLE	2 EA		
0113	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	9 LF		
0114	5802000000-E	1530	ABANDON 10" UTILITY PIPE	172 LF		
0115	5810000000-E	1530	ABANDON 16" UTILITY PIPE	196 LF		
0116	5816000000-N	1530	ABANDON UTILITY MANHOLE	1 EA		
0117	5882000000-N	SP	GENERIC UTILITY ITEM 16" INSERT VALVE	1 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0118	5888000000-E	SP	GENERIC UTILITY ITEM 84" TUNNEL LINER PLATE	40 LF		
0119	6000000000-E	1605	TEMPORARY SILT FENCE	3,290 LF		
0120	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	75 TON		
0121	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	140 TON		
0122	6012000000-E	1610	SEDIMENT CONTROL STONE	450 TON		
0123	6015000000-E	1615	TEMPORARY MULCHING	2.5 ACR		
0124	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	200 LB		
0125	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1 TON		
0126	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0127	6029000000-E	SP	SAFETY FENCE	320 LF		
0128	6030000000-E	1630	SILT EXCAVATION	200 CY		
0129	6036000000-E	1631	MATTING FOR EROSION CONTROL	7,625 SY		
0130	6037000000-E	SP	COIR FIBER MAT	100 SY		
0131	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	320 SY		
0132	6042000000-E	1632	1/4" HARDWARE CLOTH	2,050 LF		
0133	6045000000-E	SP	*** TEMPORARY PIPE (15")	55 LF		
0134	6048000000-E	SP	FLOATING TURBIDITY CURTAIN	100 SY		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0135	6071012000-E	SP	COIR FIBER WATTLE	240 LF		
0136	6071020000-E	SP	POLYACRYLAMIDE (PAM)	75 LB		
0137	6084000000-E	1660	SEEDING & MULCHING	3 ACR		
0138	6087000000-E	1660	MOWING	3 ACR		
0139	6090000000-E	1661	SEED FOR REPAIR SEEDING	50 LB		
0140	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0141	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	50 LB		
0142	6108000000-E	1665	FERTILIZER TOPDRESSING	1.5 TON		
0143	6111000000-E	SP	IMPERVIOUS DIKE	440 LF		
0144	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0145	6114800000-N	SP	MANUAL LITTER REMOVAL	2 MHR		
0146	6114900000-E	SP	LITTER DISPOSAL	0.1 TON		
0147	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	25 EA		
0148	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	2 EA		
0149	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	15 EA		
0150	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	45 EA		
0151	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	2 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0152	7060000000-E	1705	SIGNAL CABLE	1,300 LF		
0153	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	5 EA		
0154	7264000000-E	1710	MESSENGER CABLE (3/8")	260 LF		
0155	7300000000-E	1715	UNPAVED TRENCHING (*****) (1, 2")	30 LF		
0156	7301000000-E	1715	DIRECTIONAL DRILL (*****) (1, 2")	60 LF		
0157	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	2 EA		
0158	7372000000-N	1721	GUY ASSEMBLY	2 EA		
0159	7420000000-E	1722	2" RISER WITH WEATHERHEAD	2 EA		
0160	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	270 LF		
0161	7456000000-E	1726	LEAD-IN CABLE (*****) (14-2)	800 LF		
0162	7481000000-N	SP	SITE SURVEY	1 EA		
0163	7481200000-N	SP	LUMINAIRE ARM FOR VIDEO SYSTEM	1 EA		
0164	7481240000-N	SP	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	1 EA		
0165	7481260000-N	SP	EXTERNAL LOOP EMULATOR PROCESSING UNIT	1 EA		
0166	7636000000-N	1745	SIGN FOR SIGNALS	8 EA		
0167	7642100000-N	1743	TYPE I POST WITH FOUNDATION	1 EA		
0168	7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	2 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0191	6070000000-N	1639	SPECIAL STILLING BASINS	4 EA		
-----						
<b>STRUCTURE ITEMS</b>						
0169	8042000000-N	402	REMOVAL OF EXISTING STRUCTURES AT STATION ***** (20+64.00-L-)	Lump Sum	L.S.	
0170	8065000000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0171	8105560000-E	411	4'-0" DIA DRILLED PIERS IN SOIL	308 LF		
0172	8105660000-E	411	4'-0" DIA DRILLED PIERS NOT IN SOIL	165 LF		
0173	8113000000-N	411	SID INSPECTIONS	1 EA		
0174	8115000000-N	411	CSL TESTING	6 EA		
0175	8121000000-N	412	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (20+64.00-L-)	Lump Sum	L.S.	
0176	8147000000-E	420	REINFORCED CONCRETE DECK SLAB	21,466.5 SF		
0177	8161000000-E	420	GROOVING BRIDGE FLOORS	24,217 SF		
0178	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	772.1 CY		
0179	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (20+64.00-L-)	Lump Sum	L.S.	
0180	8217000000-E	425	REINFORCING STEEL (BRIDGE)	132,284 LB		
0181	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	16,600 LB		
0182	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)	34 EA		

County: CABARRUS

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0183	8364000000-E	450	HP 12 X 53 STEEL PILES	750 LF		
0184	8475000000-E	460	TWO BAR METAL RAIL	359.4 LF		
0185	8517000000-E	460	1'-*** X ***** CONCRETE PARAPET (1'-2" X 3'-4 1/4")	391.8 LF		
0186	8608000000-E	876	RIP RAP CLASS II (2'-0" THICK)	665 TON		
0187	8622000000-E	876	GEOTEXTILE FOR DRAINAGE	745 SY		
0188	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0189	8860000000-N	SP	GENERIC STRUCTURE ITEM STRIP SEAL EXPANSION JOINTS	Lump Sum	L.S.	
0190	8867000000-E	SP	GENERIC STRUCTURE ITEM 36" PRESTRESSED CONCRETE FLORIDA I-BEAM	2,176.3 LF		

1527/Apr03/Q251916.85/D876969202000/E191

Total Amount Of Bid For Entire Project :

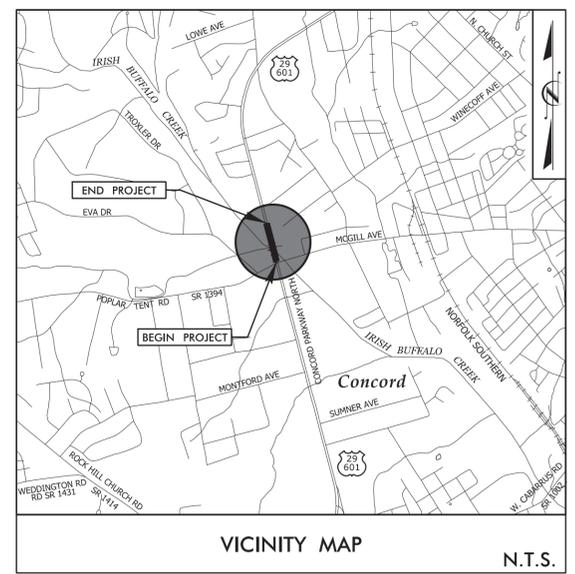
09, 08, 2011

TIP PROJECT: B-5808

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
B-5808	UO-1

NOTE:  
ALL UTILITY WORK SHOWN ON THIS SHEET IS DONE BY OTHERS.  
NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



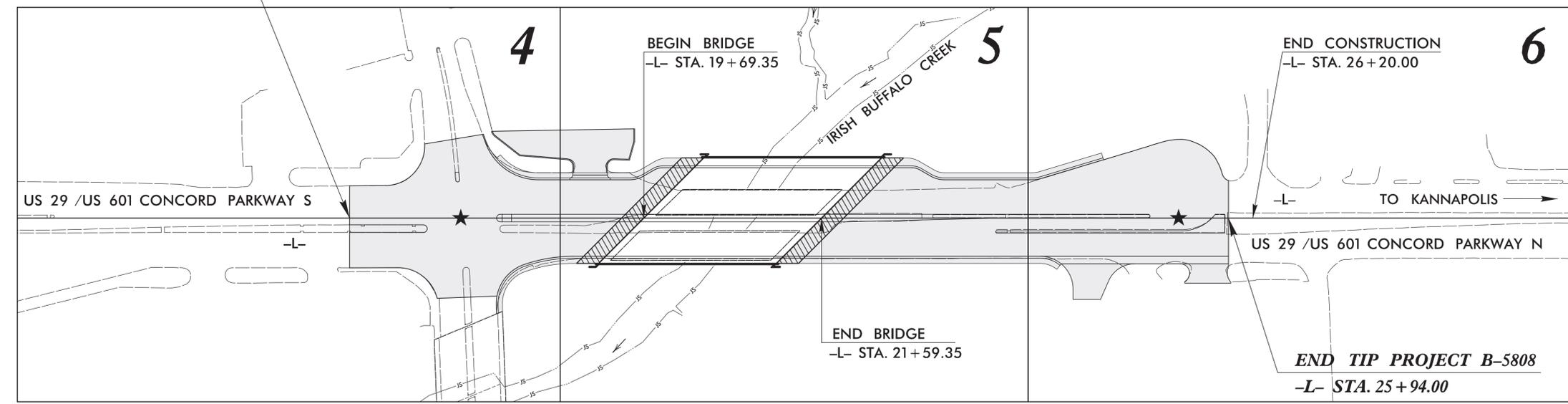
# UTILITIES BY OTHERS PLANS CABARRUS COUNTY

LOCATION: BRIDGES #057 & #059  
OVER IRISH BUFFALO CREEK  
ON US 29 /US 601

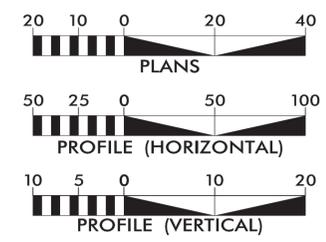
TYPE OF WORK: POWER, GAS, COMMUNICATIONS,



BEGIN TIP PROJECT B-5808  
-L- STA. 16 + 55.00



### GRAPHIC SCALES



### INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2 THRU UO-4	UBO PLAN SHEETS

### UTILITY OWNERS WITH CONFLICTS

- (A) POWER - CITY OF CONCORD POWER
- (B) COMMUNICATION - CONCORD FIBER
- (C) COMMUNICATION - AT&T
- (D) COMMUNICATION - GOOGLE FIBER
- (E) COMMUNICATION - SEGRA
- (F) COMMUNICATION - WINDSTREAM
- (G) GAS - DOMINION ENERGY

### PREPARED IN THE OFFICE OF:

STV Engineers, Inc.  
900 West Trade St., Suite 715  
Charlotte, NC 28202  
NC License Number F-0991

Oriana Roumillat, PE	UTILITY PROJECT MANAGER
Logan Hedrick	PROJECT UTILITY COORDINATOR
Logan Hedrick	PROJECT UTILITY CADD



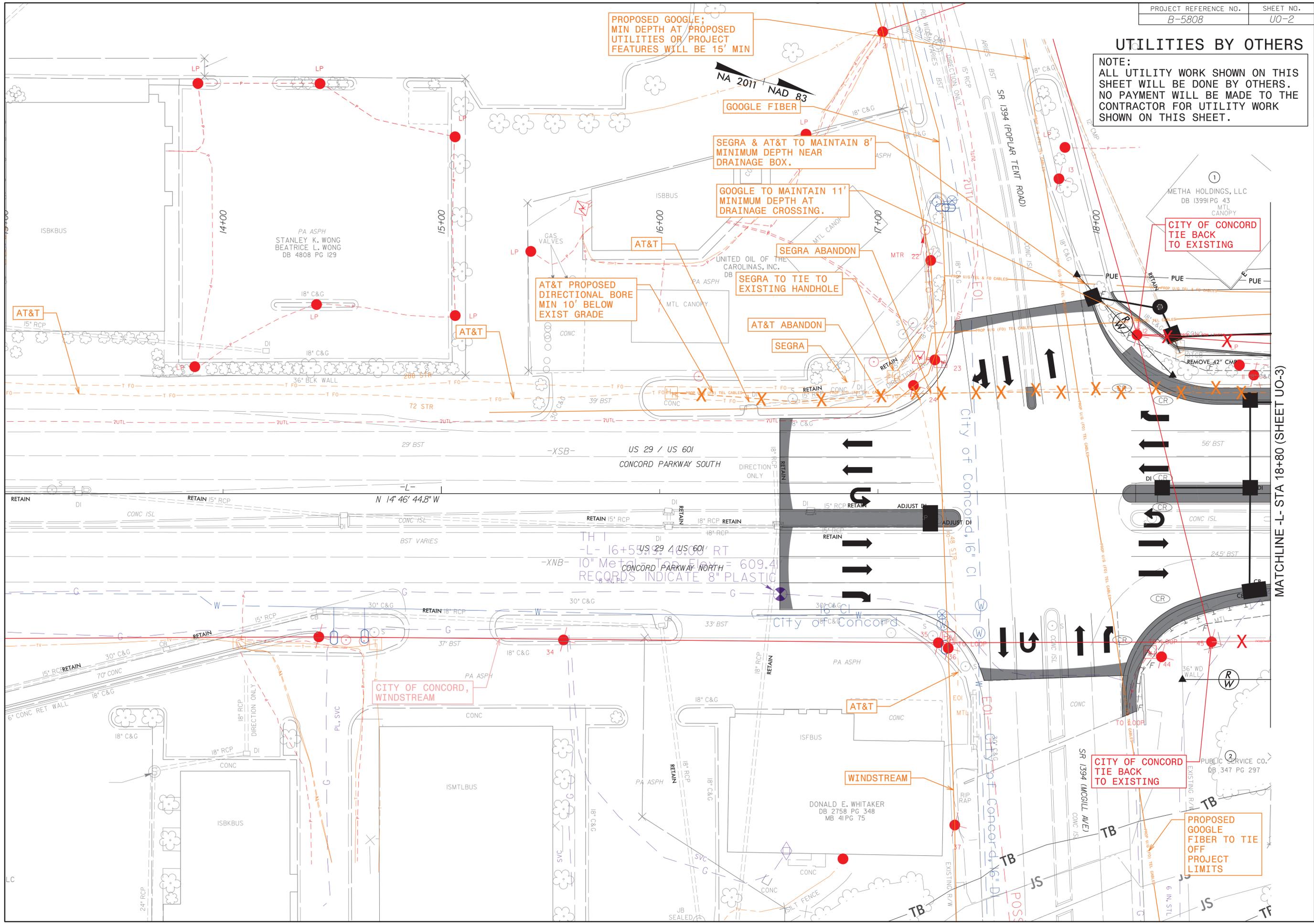
DIVISION OF HIGHWAYS  
UTILITIES UNIT  
1555 MAIL SERVICES CENTER  
RALEIGH, NC 27699-1555  
PHONE (919) 707-6690  
FAX (919) 250-4151

Michael Bright	UTILITIES REGIONAL ENGINEER
Donald Hampton	UTILITIES ENGINEER
Jon Gaillard	UTILITIES AREA COORDINATOR
Steve Trexler	UTILITIES COORDINATOR

\$\$\$\$\$ SYSTEMS\$\$\$\$\$  
\$\$\$\$\$ DGN\$\$\$\$\$  
\$\$\$\$\$ USERNAME\$\$\$\$\$

### UTILITIES BY OTHERS

NOTE:  
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



MATCHLINE -L- STA 18+80 (SHEET U0-3)



**UTILITIES BY OTHERS**

**NOTE:**  
 ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.

