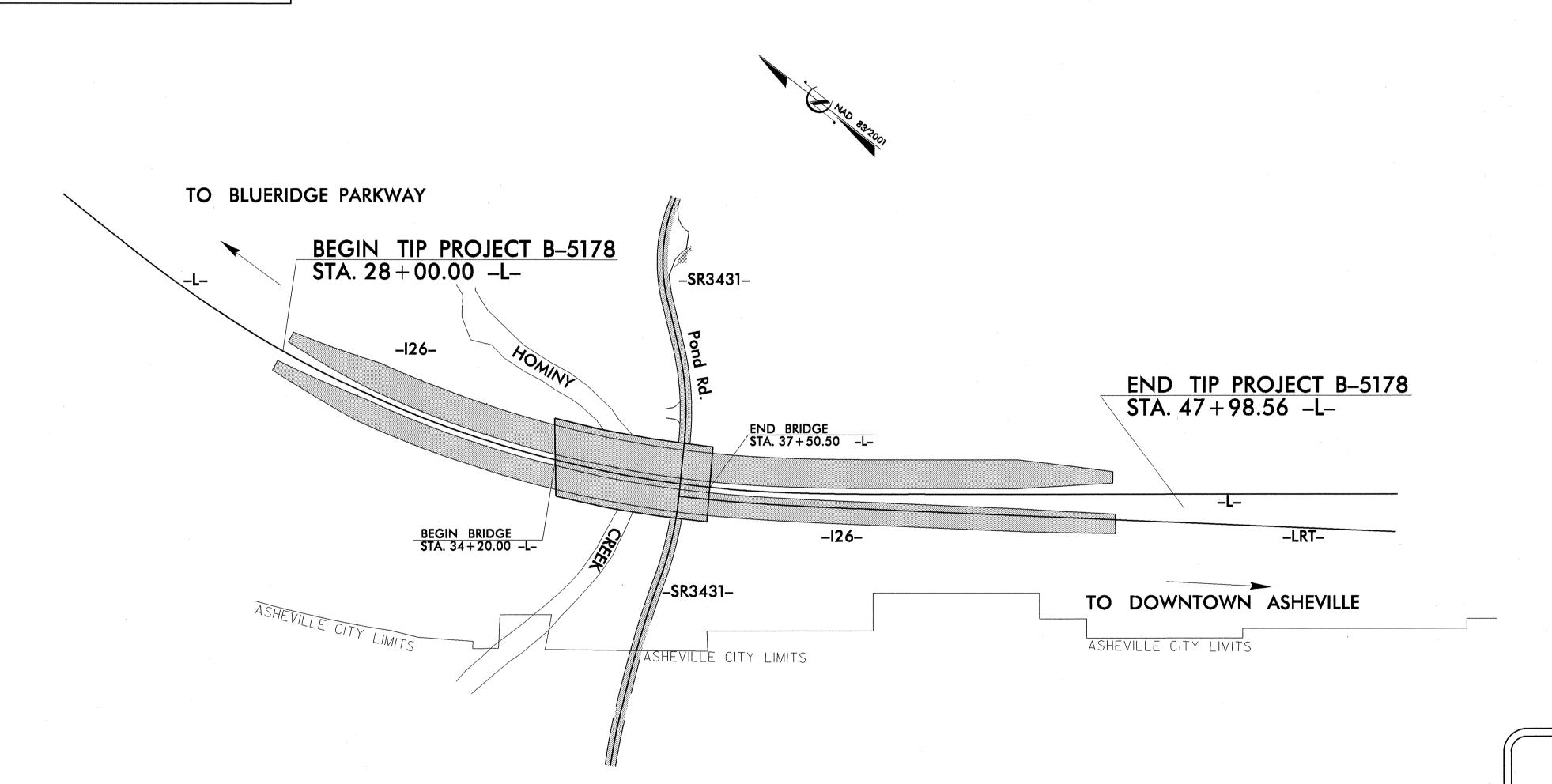
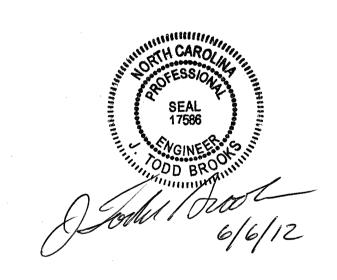
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

BUNCOMBE COUNTY

LOCATION: BRIDGES 235 & 238 OVER SR 3431 (POND ROAD) AND HOMINY CREEK ON 1-26

TYPE OF WORK: INTELLIGENT TRANSPORTATION SYSTEMS RELOCATION OF EXISTING I.T.S. DEVICES





Sheet No.

ITS-01

Project No.

B-5178

Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and Standard Specifications for Roads and Structures" dated January 2012.

Index of Plans

Sheet # ITS-01 ITS-02 ITS-03 ITS-04 ITS-05 - ITS-06 ITS-07

VICINITY MAP

Location/Description

BEGIN

PROJECT

Title Sheet General Notes Construction Notes
Plan View - I-26 at SR 3431 (Pond Road)
ITS Assembly
CCTV Camera Pole TKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

J. Todd Brooks, P.E. - Project Manager Bryan S. Lambeth, P.E. - Senior Transportation Engineer

INTELLIGENT TRANSPORTATION SYSTEMS SECTION Contacts:

Thomas G. Parker - ITS Project Engineer Mohd A. Aslami, P.E. - ITS Project Design Engineer

Prepared for the Office of: DIVISION OF HIGHWAYS TRANSPORTATION MOBILITY AND SAFETY **DIVISION**



750 N. Greenfield Parkway, Garner, NC 27529

LEGEND

----- NEW CONDUIT EXISTING CONDUIT NEW DIRECTIONAL DRILLED CONDUIT NEW BORED AND JACKED CONDUIT NEW STANDARD JUNCTION BOX EXISTING STANDARD JUNCTION BOX NEW OVERSIZED OR SPECIAL-SIZED JUNCTION BOX EXISTING OVERSIZED OR SPECIAL-SIZED JUNCTION BOX NEW WOOD POLE EXISTING WOOD POLE NEW METAL POLE EXISTING METAL POLE NEW CCTV CAMERA ASSEMBLY EXISTING CCTV CAMERA ASSEMBLY NEW CCTV CABINET EXISTING CCTV CABINET EXISTING SOLAR PANEL CAV CITY OF ASHEVILLE POWER POLE EDGE OF PAVEMENT EOP EDGE OF LANE NEW MICROWAVE VEHICLE DETECTOR (M.V.D.)

EXISTING MICROWAVE VEHICLE DETECTOR (M.V.D.)

GENERAL NOTES

- 1. THE FIELD LOCATION OF ANY ITEM TO BE INSTALLED AS PART OF THIS PROJECT SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- 2. BURIED UTILITIES AND STRUCTURES: PIPELINES, STORM SEWERS, POWER CABLES, UTILITY CABLES, BASEMENTS, AND OTHER PUBLICLY AND PRIVATELY OWNED UNDERGROUND OBSTRUCTIONS EXIST ADJACENT TO AND WITHIN THE STREET RIGHT-OF-WAY WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. INVESTIGATE THE LOCATION OF SUCH BURIED UTILITIES AND STRUCTURES WITH PUBLIC AND PRIVATE UTILITIES.
- 3. THE PLAN SHEETS HAVE BEEN DEVELOPED AS CLOSE TO SCALE AS PRACTICAL.
 ACTUAL FIELD CONDITIONS, HOWEVER, SHALL PROVIDE THE BASIS FOR
 APPLYING THE WORK SHOWN.
- 4. THE ROADWAY STANDARD DRAWINGS AND THE DETAILS PROVIDED IN THIS PLAN SET SHALL ALL APPLY TO ALL WORK REQUIRED IN THIS PROJECT, WHETHER A PARTICULAR DETAIL IS SPECIFICALLY REFERENCED TO A WORK ITEM OR NOT. IN THE EVENT OF A CONFLICT, THE ORDER OF PRECEDENCE SHALL BE: THE PROJECT SPECIAL PROVISIONS, THE PLAN SET INCLUDING DETAILS SUPPLEMENTAL SPECIFICATIONS, THE STANDARD SPECIFICATIONS, AND THEN THE ROADWAY STANDARD DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING THE PROPER DETAILS.
- 5. ANY OF THE CONTRACTOR'S WORK ACTIVITIES WHICH IMPACT ANY UTILITY FACILITY SHALL BE COORDINATED WITH THE OWNER OF THE AFFECTED UTILITIES. THE CONTRACTOR SHALL FOLLOW ANY AND ALL WORK PROCEDURES THE UTILITY OWNERS MAY REQUIRE.
- 6. ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED TO BE PERFORMED BY OTHERS.
- 7. DO NOT DISTURB THE EXISTING ITS DEVICES WITHIN THE PROJECT LIMITS UNTIL SUCH TIME THAT THIS EQUIPMENT IS TO BE REMOVED OR RELOCATED IN ACCORDANCE WITH THE PLANS. NOTIFY CHAD FRANKLIN, NCDOT DIVISION 13 ELECTRONICS TECHNICIAN, AT (828) 298–0094 A MINIMUM OF 14 CALENDAR DAYS PRIOR TO EACH OF THE FOLLOWING EVENTS:
 - A. TO ARRANGE FOR REMOVAL (BY OTHERS) OF EXISTING SOLAR POWER CCTV CAMERA ASSEMBLY ON EAST SIDE OF I-26 NEAR STA 29+00+/- -L-.
 - B. TAKING OUT OF SERVICE THE EXISTING CCTV CAMERA ASSEMBLY, MICROWAVE VEHICLE DETECTORS AND ASSOCIATED WIRELESS COMMUNICATIONS EQUIPMENT CURRENTLY LOCATED AT THE NORTH END OF THE EXISTING I–26 WB BRIDGE TO RELOCATE THIS EQUIPMENT TO STA 33+00+/- -L-.

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" – PROJECT SERVICES UNIT – N.C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N.C., DATED 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1700.01	ELECTRICAL SERVICE OPTIONS
1700.02	ELECTRICAL SERVICE GROUNDING
1715.01	UNDERGROUND CONDUIT - TRENCHING
1716.01	JUNCTION BOXES
1756.01	SPREAD SPECTRUM RADIO

ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326



I-26 at Pond Rd / Hominy Creek ITS Plans

Division 13 Buncombe County Asheville
PLAN DATE: June 2012 REVIEWED BY: JT Brooks
PREPARED BY: BS Lambeth REVIEWED BY:
REVISIONS INIT. DATE

FREE SCALE

NTS

SEAL 17586

SEAL 17586

SIGNATURE DATE

CADD Filename: ITS 02.dgn

INSTALL POLE MOUNTED SPLICE CABINET

INSTALL BASE MOUNTED SPLICE CABINET

REMOVE EXISTING SPLICE CABINET

INSTALL CABINET FOUNDATION

35	REMOVE EXISTING CABINET FOUNDATION
36	INSTALL CCTV CAMERA ASSEMBLY
37	INSTALL CCTV CAMERA WOOD POLE
38	INSTALL EXISTING CCTV CAMERA METAL POLE ON NEW FOUNDATION
39	INSTALL JUNCTION BOX
40	INSTALL OVERSIZED JUNCTION BOX
41	REMOVE EXISTING JUNCTION BOX
42	INSTALL WOOD POLE
43	REMOVE EXISTING WOOD POLE
44	INSTALL AERIAL GUY ASSEMBLY
45	INSTALL STANDARD GUY ASSEMBLY
46	INSTALL SIDEWALK GUY ASSEMBLY
47	INSTALL MESSENGER CABLE
48	REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
49	REMOVE EXISTING COMMUNICATIONS CABLE
50	REINSTALL EXISTING MICROWAVE VEHICLE DETECTOR (MVD) ON NEW O.H. SIGN STRUCTURE
51	INSTALL CABLE STORAGE RACK(S) [SNOW SHOE(S)] AND STORE 100 FEET OF CABLE
52	INSTALL DELINEATOR MARKER
53	STORE 30 FEET OF COMMUNICATIONS CABLE (EACH CABLE)
54	LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
55	LASH CABLE(S) TO EXISTING MESSENGER CABLE
56	LASH CABLE(S) TO NEW MESSENGER CABLE
57	MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV
58	INSTALL NEW ELECTRICAL SERVICE FOR CCTV
59	REINSTALL EXISTING POLE MOUNTED CCTV CABINET
60	INSTALL NEW BASE MOUNTED CCTV CABINET
61	REINSTALL EXISTING ANTENNA
62	INSTALL OMNI-DIRECTIONAL ANTENNA
63	REINSTALL EXISTING ETHERNET RADIO
	INITED CEDT AND DEDOLITE EVICTING CONDUITS

INTERCEPT AND REPOUTE EXISTING CONDUITS

SSENGER CABLE MVD) ON CONSTRUCTION NOTE SYMBOLOGY KEY STORE INDICATES NUMBER OF CABLES, LOOPS, ETC. INDICATES NUMBER OF FIBERS PER CABLE, CABLE) TWISTED PAIRS PER CABLE, ETC. IS CABLE INDICATES NUMBER OF RISER(S)/CONDUIT(S) XX INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH) NUMBER NUMBER OF FIBERS/TWISTED PAIRS CABLE(S) **XX** / DIAMETER NUMBER RISER(S)/CONDUIT(S) (INCH) RISER(S)/CONDUIT(S) ATKINS 1616 EAST MILLBROOK ROAD, SUITE 310 RALEIGH, NORTH CAROLINA 27609 (919) 876-6888 NCBEES #F-0326

Prepared for the Offices of:

Nobility and

ANDRIN CROSS

DIVISI

PLAN DATE

PREPARED IS

SCALE

I-26 at Pond Rd / Hominy Creek ITS Plans

Division 13 Buncombe County Asheville
PLAN DATE: June 2012 REVIEWED BY: JT Brooks
PREPARED BY: BS Lambeth REVIEWED BY:
REVISIONS INIT. DATE

SEAL 17586

SEAL 17586

SIGNATURE

CARD Filename:

PROJECT REFERENCE NO.

B-5178

SHEET NO

0:*Transportation*Traffic*Curr*100026387 I–26 at Pond Rd*ITS*B–5 12054 AT RAL2UA1430Y7D

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