





IREDELL COUNTY

LOCATION: BRIDGE #182 ON SR 2171 OVER I 77 TYPE OF WORK: HYDRODEMOLITION & LMC OVERLAY

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DWG.	DESCRIPTION
1	TITLE SHEET
S1-S4	STRUCTURE PLANS
TCP1-TCP3	TRAFFIC CONTROL PLANS



SA(OF NORTH Ca	DESIGN DATA	PROJECT LENGTH	Prepared in the Office of: BRIDGE MANAGEMENT UNIT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		ſ
ONTR	POLINA STORY		LENGTH STRUCTURE PROJECT = 0.05 MILE	2006 STANDARD SPECIFICATIONS LETTING DATE: MAY 20, 2010	DAN HOLDERMAN, PE	
Ũ	OF TRANSPORT			MIKE SUMMERS BRIDGE MANAGEMENT PROJECT MANAGER		

STATE	STATI	SHEET NO.	TOTAL SHEBTS		
N.C.	B	1			
STATE PROJ. NO. F. A. PROJ. NO.			DESCRIPTION		
36727	7.1.1	BRNHS-000S(504)	P.E	•	
36727.3.46		BRNHS-000S(370)	CON	ST	

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LEIGH M. WING, PE DESIGN ENGINEER



RMWORK, SEE SPECIAL P	ROVISIONS. NG HYDRODEMOLITI	ION						EXIS	ST.SLAB	SECTION		PROJECT NO. <u>B-4700AV</u> County: <u>IREDELL</u> DECK REHAB BRIDGE NO.182	
					TOTAL	BILL OF	MATERIA	۸L					
	₩ SCARIFYING BRIDGE DECK	* CLASS I SURFACE PREPARATION	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	* CLASS AA CONCRETE	HYDRO- DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE	PLACING & FINISHING LATEX MODIFIED CONCRETE	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOOR	ASPHALT CONCRETE SURFACE COURSE TYPE SF 9.5B	TYPICAL SECTION	
	SQ.YDS.	SQ.YDS.	SO.YDS.	SO.YDS.	CU. YDS.	SO.YDS.	C.Y.	SQ.YDS.	LUMP SUM	SO.FT.	TONS	FOR BRIDGE #182	
DATE :01/10 DATE :01/10	739 * QUANTITY SH	489 IOWN IS FOR INF	17 ORMATION ONLY.	78 ** INCLUDES AF	5 PPROACH MIL	584 LING.	41	584	LUMP SUM	4,712 NO	17 TE: NOT TO SCAL	24 -0° CLEAR ROADWAT NEVISIONS Same for the same	
\$\$\$\$USERNAME\$\$\$\$													

DRAWN BY :LMW CHECKED BY : AGA

\$\$\$\$\$\$\$YSTIME\$\$\$\$

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PROJECT NO. <u>B-4700AV</u> County: <u>Iredell</u> Deck rehab bridge no. <u>182</u>						
STATE OF NORTH CAROLINA Department of transportation Raleigh						
DECK REPAIR DETAILS FOR BRIDGE #182						
REVISIONS SHEET NO.						
NO. BY DATE NO. BY DATE S-3						
OT TO SCALE 2 4 4						



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PLAN FOR PROPOSED **TRAFFIC CONTROL**

IREDELL COUNTY

LOCATION: BRIDGE NO. 182 SR 2171 OVER I-77.

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE DECK PRESERVATION

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

TD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWING LEGEND, AND INDEX OF SHEETS
TCP-2	GENERAL NOTES
TCP-3	TRAFFIC CONTROL PHASING & ROAD CLOSURE



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GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OFTHE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I-77	6:00 A.M9:00 A.M. MONDAY THRU FRIDAY
	4:00 P.M6:00 P.M. MONDAY THRU FRIDAY

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME I-77

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 P.M. DECEMBER 31st TO 6:00 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 A.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 P.M. THURSDAY AND 6:00 A.M. MONDAY.
- 4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 6:00 A.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 P.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY AND 6:00 A.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 P.M. TUESDAY TO 6:00 A.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 P.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

TRAFFIC PATTERN A

H) NOTIFY THE ENG TRAFFIC PATTER

I) PROVIDE SIGNIN

- THE ROADWAY ST
- J) PROVIDE SIGNIN THE TRAFFIC CO
- K) COVER OR REMOV
- L) COVER OR REMOV
- DETOUR IS NOT
- TRAFFIC PATTER
- PAVEMENT MARKINGS

APPLICATIONS

Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tael. (919) 851-8866 Fax. (919) 851-7024 www.stantec.com License No. F-0672

	PROJECT REFERENCE NO.	SHEET NO.
	B-4700AV	TCP-2
I TERATIONS		
INFER TWENTY ONE (21) CALE	NDAR DAYS PRIOR TO ANY	
IN ALTERATION.		
G AND DEVICES REQUIRED TO	CLOSE THE ROAD ACCORDIN	NG TO
TANDARD DRAWINGS AND TRAFF	IC CONTROL PLANS.	
IG REQUIRED FOR THE OFFSITE DNTROL PLANS.	E DETOUR ROUTE AS SHOWN	IN
'E ALL SIGNS AND DÈVICES RE SURE IS NOT IN OPERATION.	EQUIRED TO CLOSE THE RO	AD
YE ALL SIGNS REQUIRED FOR T IN OPERATION.	THE OFFSITE DETOUR WHEN	THE
ESSARY SIGNING IS IN PLACE RN.	E PRIOR TO ALTERING ANY	
3		
• N OF ALL OTHER CONSTRUCTIO	ON OPERATIONS INSTALL 2	
OF PAINT PAVEMENT MARKINGS	ON THE FINAL SURFACE.	
	GENERAL NOTES	








