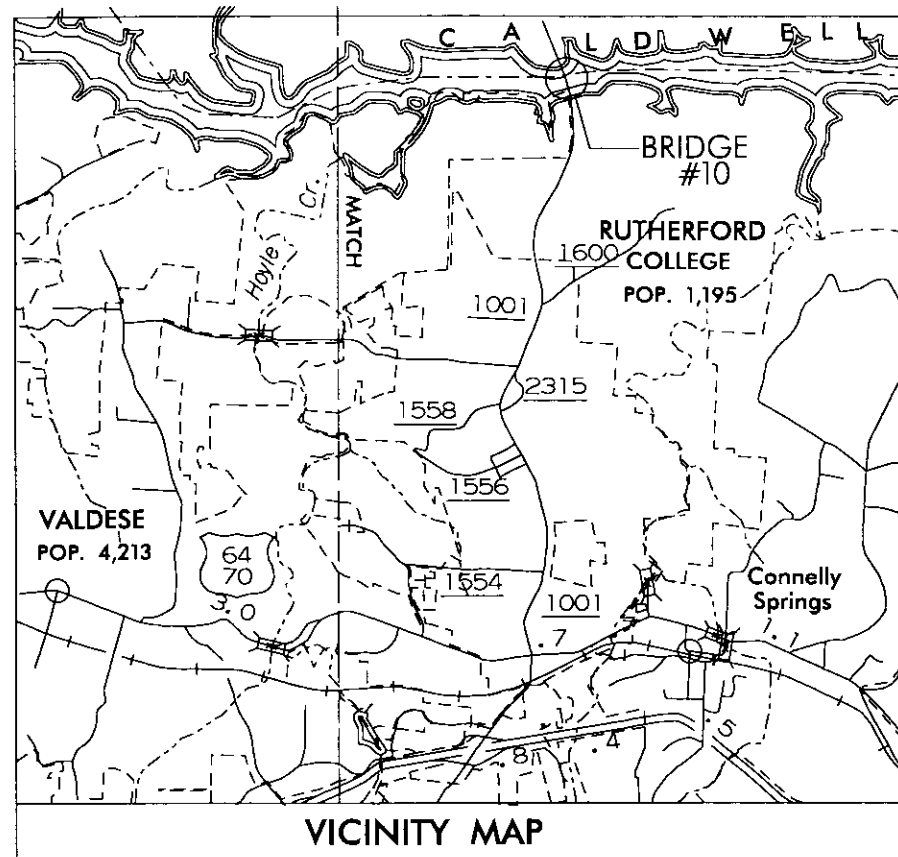


CONTRACT NO. D000059 TIP# BK-5101F

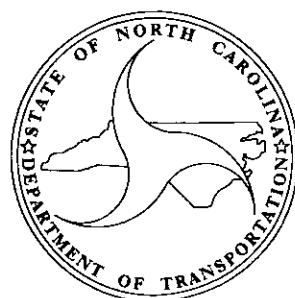
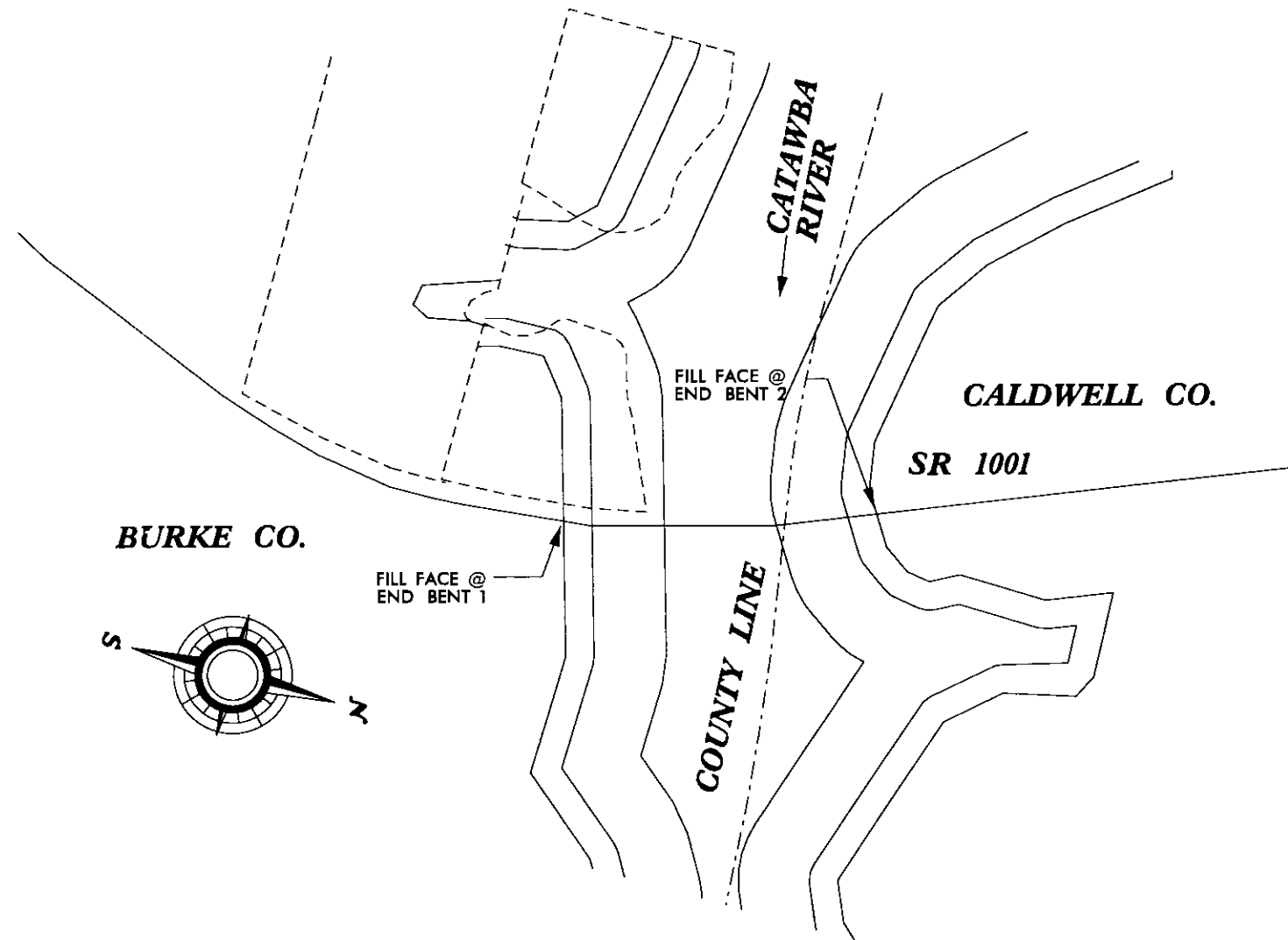


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BURKE COUNTY

LOCATION: BRIDGE #10 ON SR1001 ACROSS CATAWBA RIVER, 0.9 MI. N. JCT. SR 1600.
TYPE OF WORK: BRIDGE DECK PRESERVATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BK-5101F	1	8
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
42579.1.1	BRSTP-1001(51)	PE	
42579.3.6	BRSTP-1001(51)	CONST	



DESIGN DATA

ADT 2005 = 9600
ADT 2025 = 19200

PROJECT LENGTH

LENGTH STRUCTURE PROJECT = .172 MILE

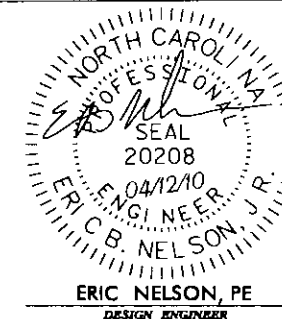
Prepared in the Office of:

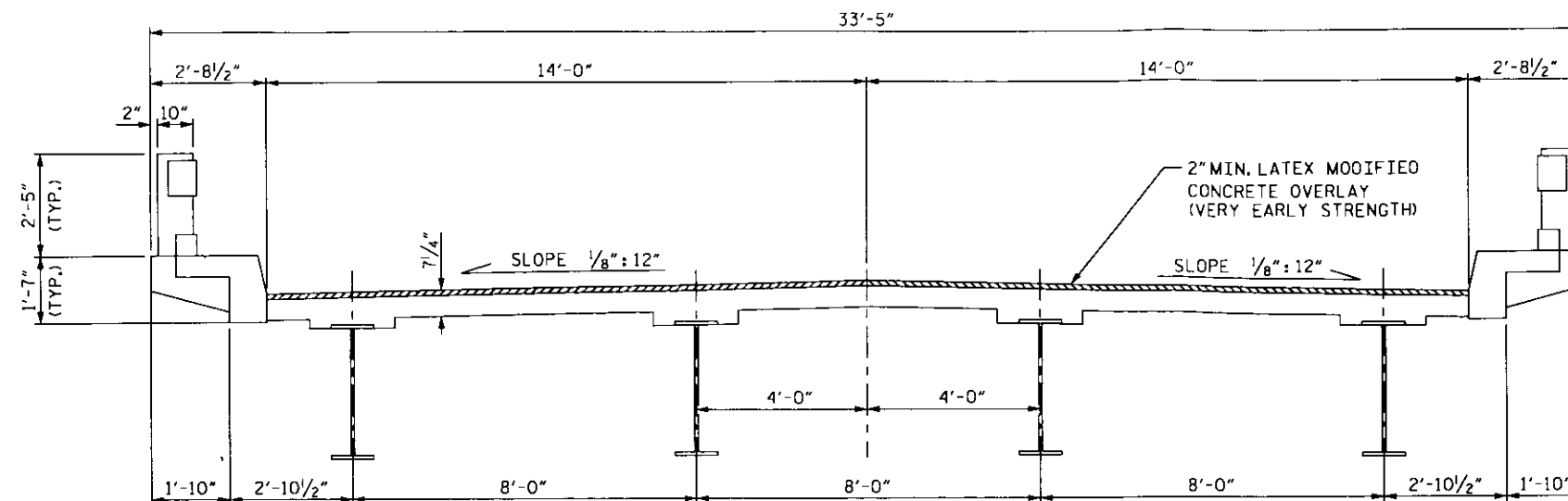
DIVISION OF BRIDGE MANAGEMENT

2006 STANDARD SPECIFICATIONS

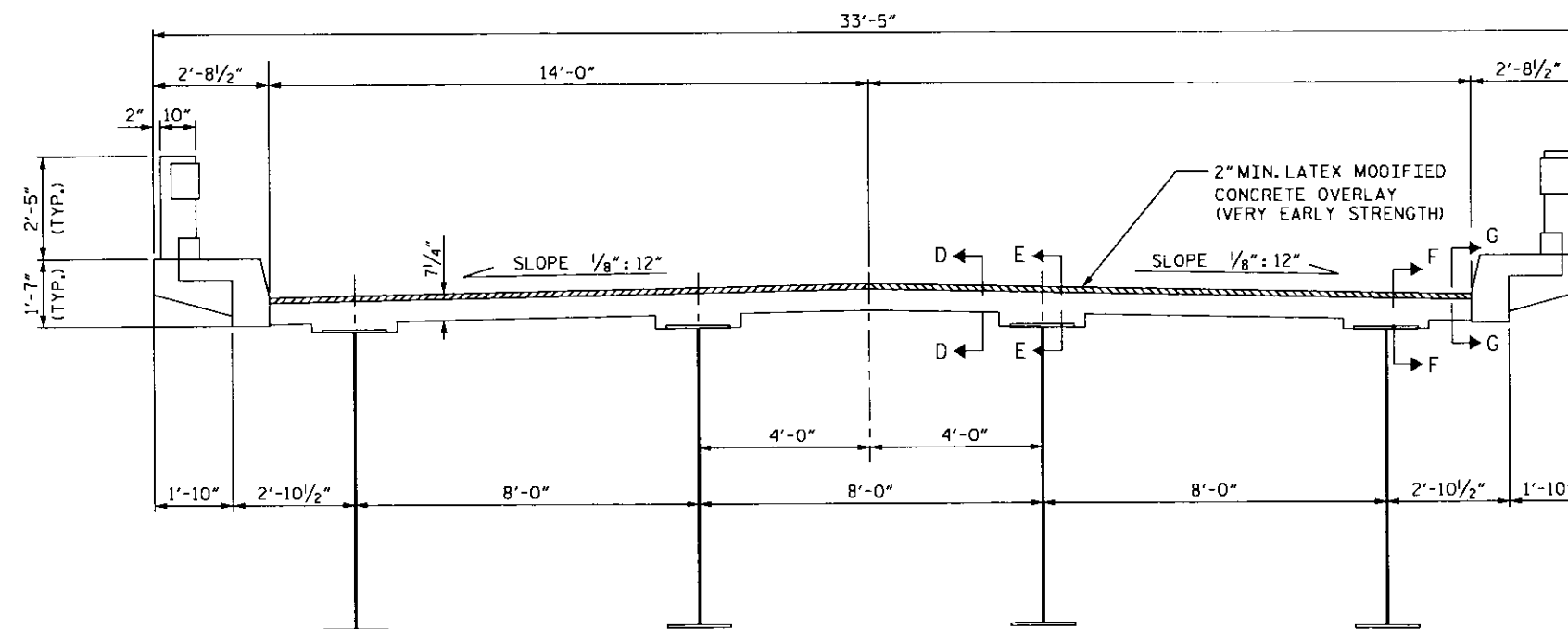
LETTING DATE:
5/20/2010

DAN HOLDERMAN, PE
PROJECT ENGINEER





TYPICAL SECTION -(SPANS "A", "G" & "H" 36" I-BEAM)



TYPICAL SECTION -(PLATE GIRDERS)

NOTES

FOR OVERLAY OF BRIDGE DECKS WITH LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.

SEE SPECIAL PROVISIONS FOR SURFACE PREPARATION.

EXPANSION JOINTS SHALL BE COVERED WITH POLYETHYLENE SHEETING OR OTHER APPROVED DAMS PRIOR TO BEGINNING CLASS I SURFACE PREPARATION. SEE SPECIAL PROVISIONS.

FOR HYDRO-DEMOLITION, SEE SPECIAL PROVISIONS .

THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN -OFF WATER FROM THE HYDRO- DEMOLITION PROCESS, SEE SPECIAL PROVISIONS.

THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE. THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF DECK. SEE DETAIL.

THE CONSTRUCTION JOINTS SHALL BE SAWED NO MORE THAN 3 HOURS AFTER THE LATEX MODIFIED OVERLAY IS CAST. THE JOINT SHALL BE CLEANED OF ALL DEBRIS BEFORE THE SEALANT IS APPLIED. THE JOINT SEALER MATERIAL SHALL CONFORM WITH REQUIREMENTS OF TYPE SL LOW MODULUS SILICON SEALER.

FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.

TOTAL BILL OF MATERIAL

** DECK SCARIFICATION	* CLASS I SURFACE PREPARATION	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	* CLASS AA CONCRETE	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE-VERY EARLY STRENGTH	PLACING & FINISHING LATEX MODIFIED CONCRETE - VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS	ASPHALT CONCRETE SURFACE COURSE TYPE SF 9.5A
SO.YDS.	SO.YDS.	SO.YDS.	SO.YDS.	C.Y.	SO.YDS.	C.Y.	SO.YDS.	LUMP SUM	SO. FT.	TONS
3142	1953	877	0	0	2831	197	2830	LUMP SUM	23,244	17

* QUANTITY SHOWN IS FOR INFORMATION ONLY.

** INCLUDES APPROACH MILLING.

DRAWN BY : S. T. SANDOR
CHECKED BY : A. ASTER

DATE : FEB./2010
DATE : FEB./2010

PROJECT NO. BK-5101F
COUNTY: BURKE
STATION: N/A
BRIDGE NO. 10

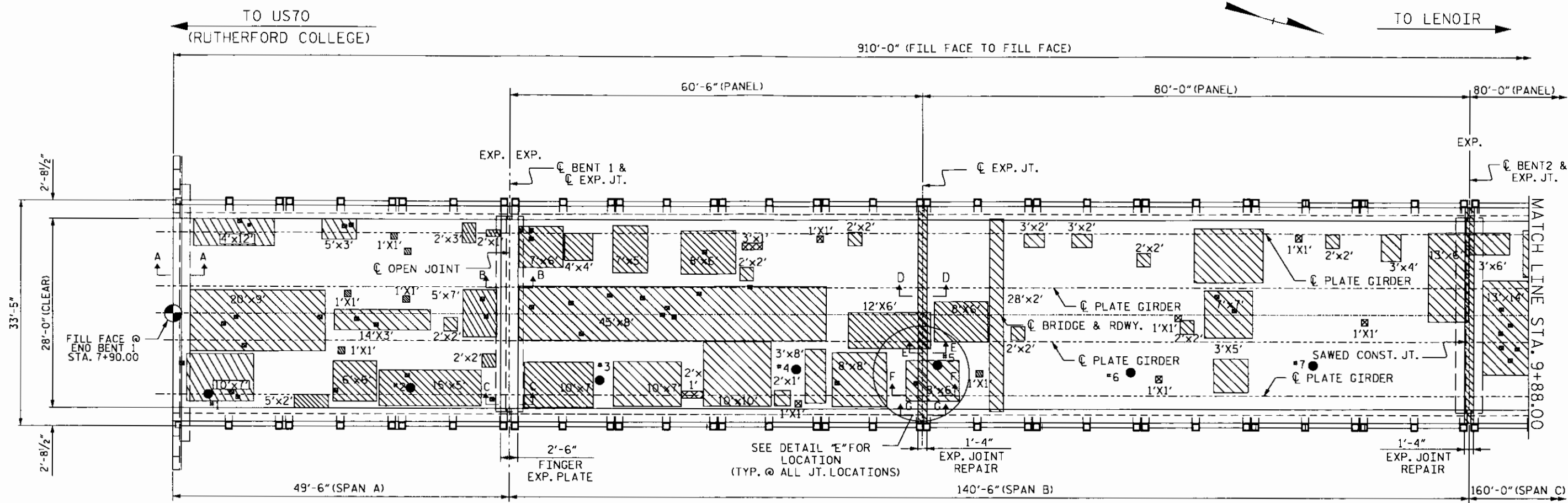
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
TYPICAL SECTIONS OF
BRIDGE No. 10 ON
SR 1001 OVER
CATAWBA RIVER

REVISIONS						TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			8
2			4			

*****SYSTIME*****

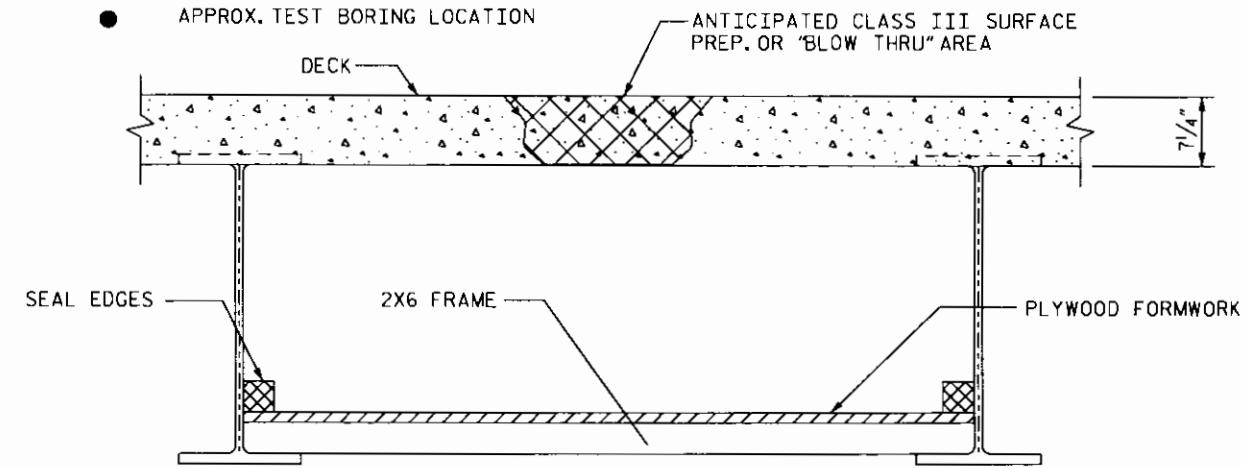
*****USERNAME*****

*****DCN*****



PLAN VIEW OF BRIDGE

- APPROX. AREA: CLASS II REPAIR
- SPALLS
- APPROX. TEST BORING LOCATION

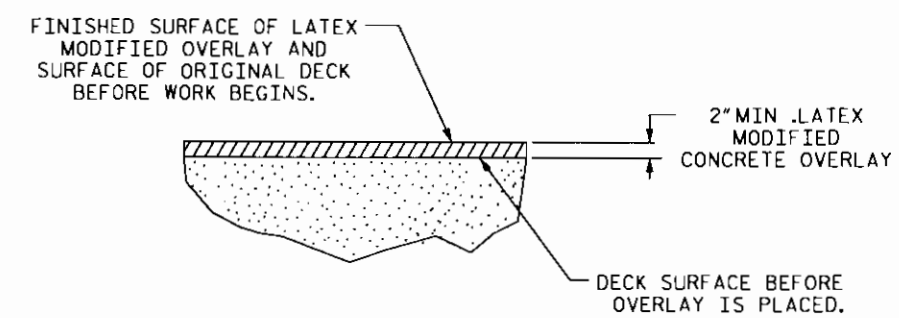


TYP. "BLOW THRU" CONTAINMENT AND FORMWORK

A METHOD TO CAPTURE WATER AND DEBRIS FROM BLOW THRU DURING HYDRO-DEMOLITION SHALL BE INSTALLED IN AREAS INDICATED AS CLASS III SURFACE PREPARATION.

SUBMIT DETAILS OF PROPOSED FORMWORK FOR APPROVAL PRIOR TO BEGINNING WORK.

COST FOR INSTALLING AND REMOVING FORMWORK SHALL BE INCIDENTAL TO THE PRICE PER SQ. YARD OF HYDRO-DEMOLITION.



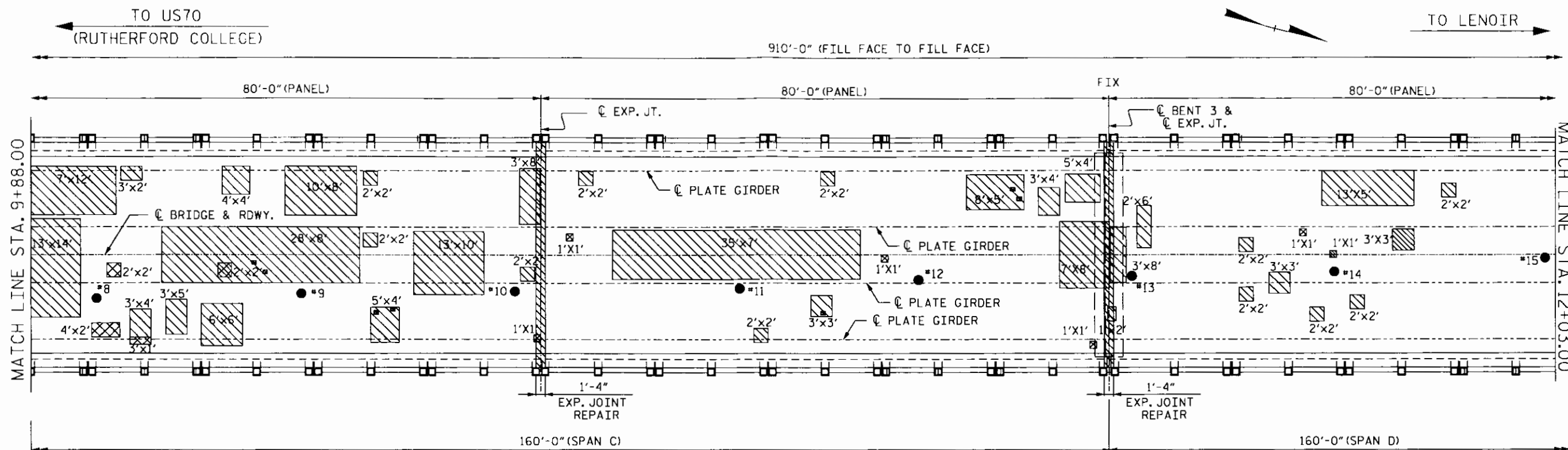
DETAIL FOR LATEX MODIFIED CONCRETE OVERLAY

PROJECT NO. BK-5101F
 COUNTY: BURKE
 STATION: N/A
 DECK REHAB BRIDGE NO. 10

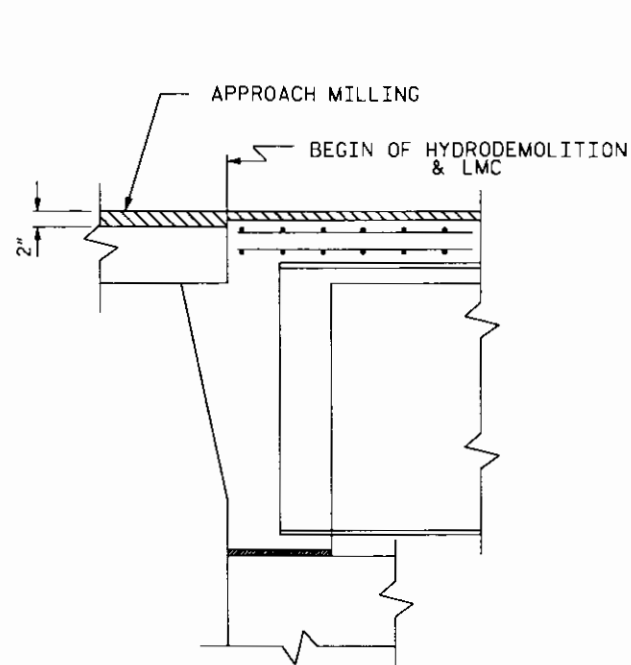
STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
PLAN VIEW OF BRIDGE #10 ON SR 1001 OVER CATAWBA RIVER 28'-0" CLEAR ROADWAY (90°-00' SKEW)					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

DRAWN BY : S. T. SANDOR DATE : FEB./2010
 CHECKED BY : A. ABRAHA DATE : FEB./2010

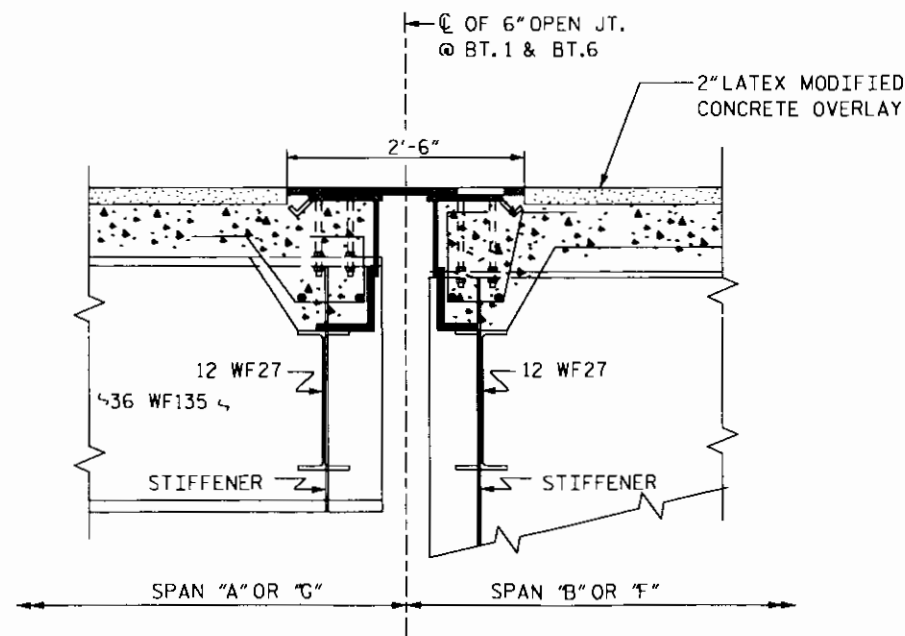
*****SYTIME***** *****USERNAME***** *****DGN***** *****



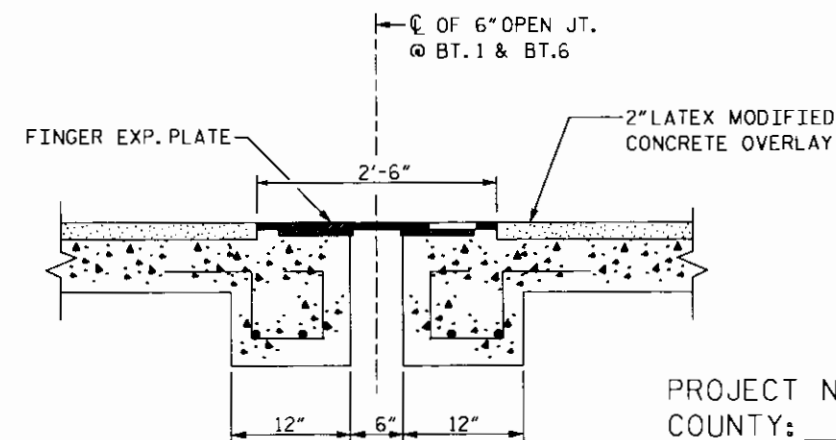
PLAN VIEW OF BRIDGE



SECTION A-A
E.B. 1 & E.B. 2



SECTION B-B
(EXISTING TO BE RETAINED)



SECTION C-C
(EXISTING TO BE RETAINED)

PROJECT NO. BK-5101F
COUNTY: BURKE
STATION: N/A
DECK REHAB BRIDGE NO. 10

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PLAN VIEW OF BRIDGE
& JOINT DETAIL
28'-0" CLEAR ROADWAY (90°-00' SKEW)

REVISIONS					SHEET NO.
NO.	BY	DATE	NO.	BY	
1			8		4
2			4		8

DRAWN BY : S. T. SANDOR
CHECKED BY : A. ABRAHA
DATE : FEB./2010
DATE : FEB./2010

*****SYTIME*****

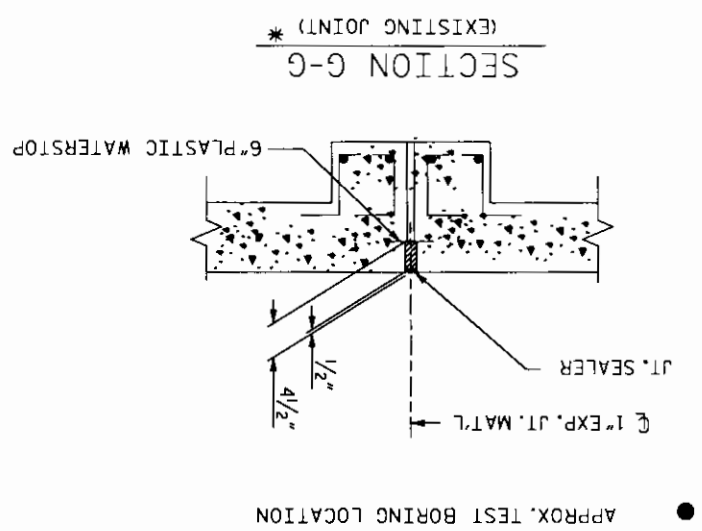
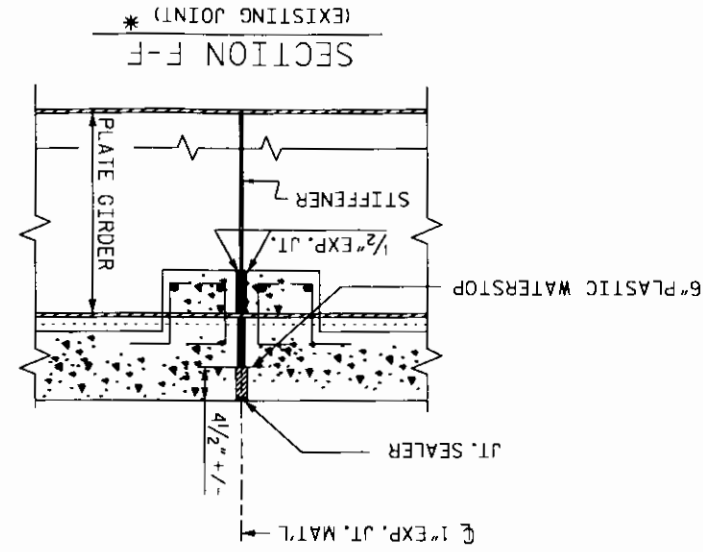
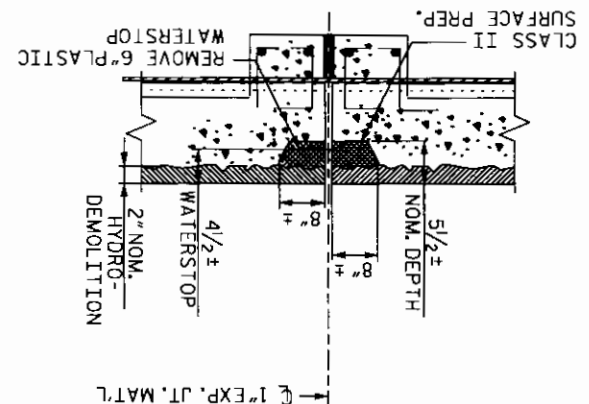
*****USERNAME*****

*****DCN*****

NO.	BY	DATE	NO.	BY	DATE
1			2		
3			4		
5			6		
7			8		

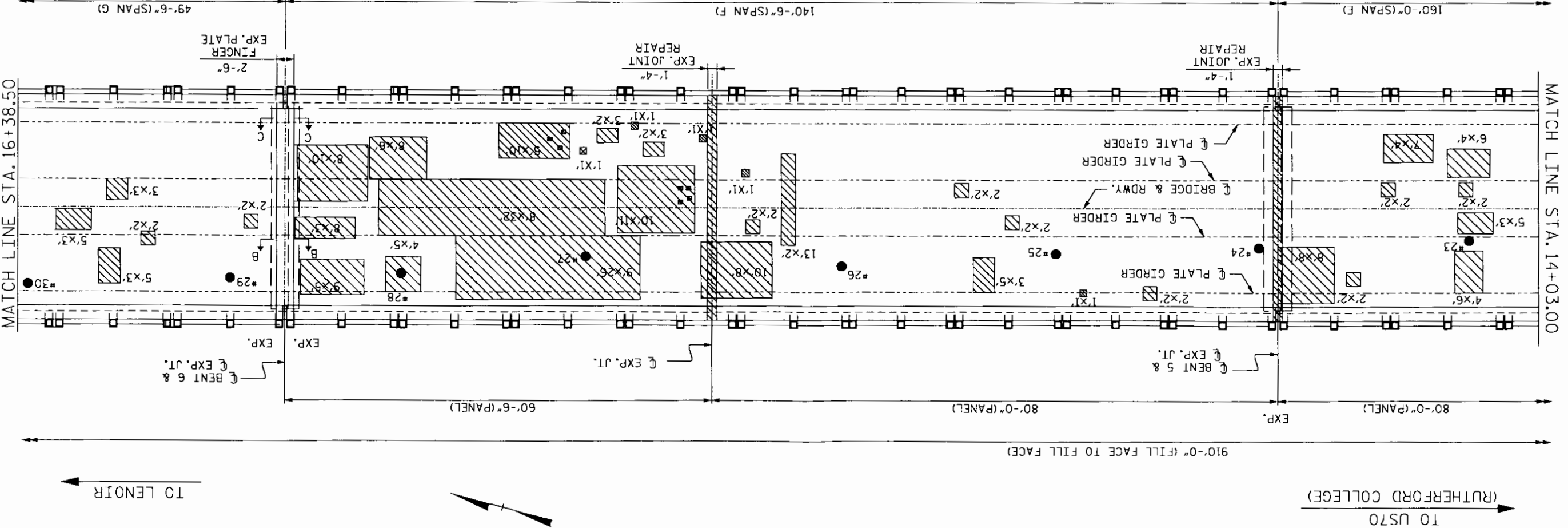
PROJECT NO. BK-5101F
COUNTY: BURKE
STATION: N/A
DECK REHAB BRIDGE NO. 10
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
BALDWIN
PLAN VIEW OF BRIDGE
& JOINT DETAIL
28'-0" CLEAR ROADWAY (90°-00' SKEW)

MINIMUM EXISTING JOINT DEMOLITION
(FOR SECTION F-F & SECTION G-G)
NOTE: RETAIN ALL EXISTING REINF.
STEEL, CLEAN AND REPAIR AS REQ'D.



- APPROX. TEST BORING LOCATION
- SPALLS
- APPROX. AREA: CLASS II REPAIR

PLAN VIEW OF BRIDGE



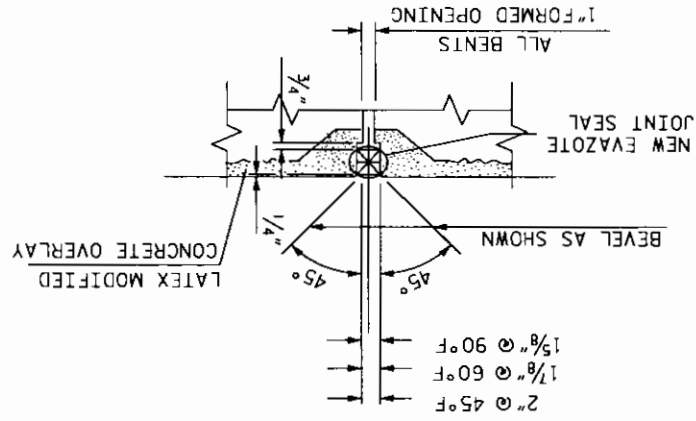
PROJECT NO. BK-5101F
COUNTY: BURKE
STATION: N/A
DECK REHAB BRIDGE NO. 10

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
NATION

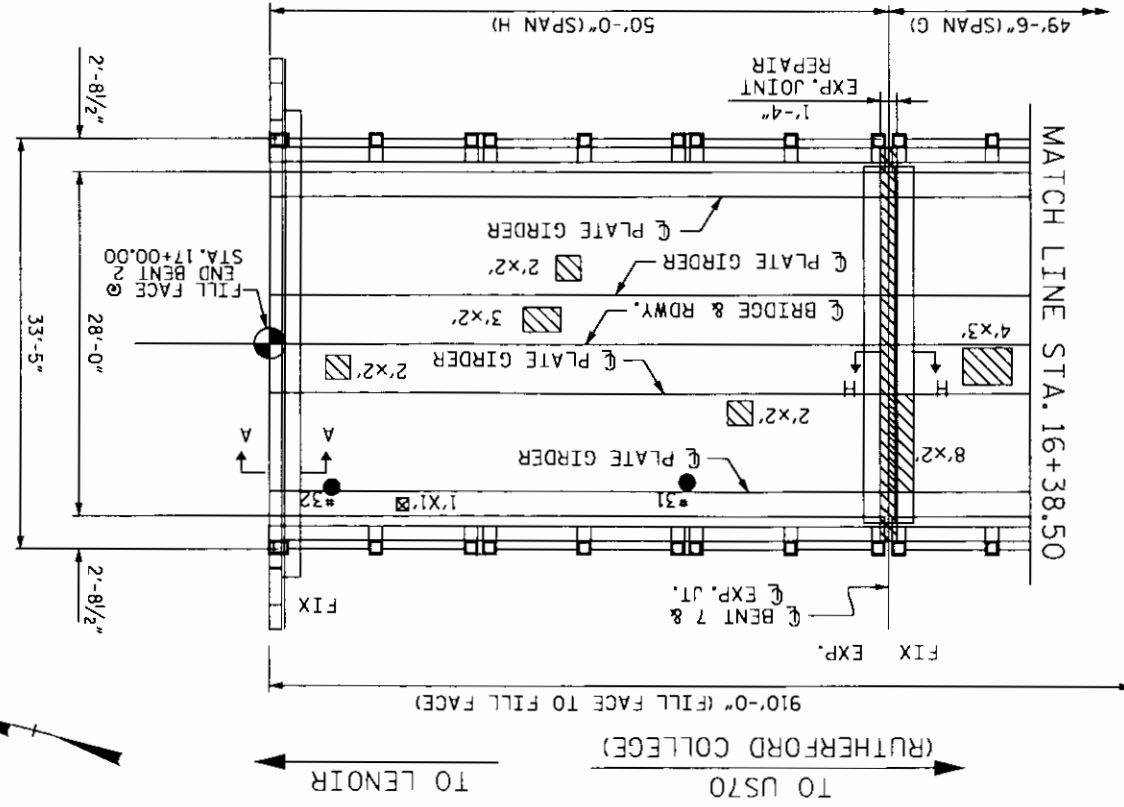
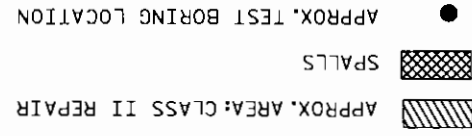
PLAN VIEW OF BRIDGE
& JOINT DETAIL

28'-0" CLEAR ROADWAY (90'-00" SKEW)

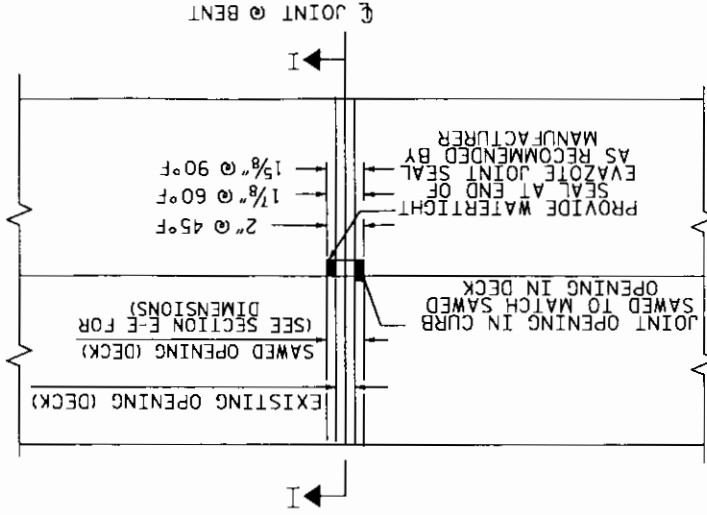
PROPOSED EVAZOTE JT. SEAL



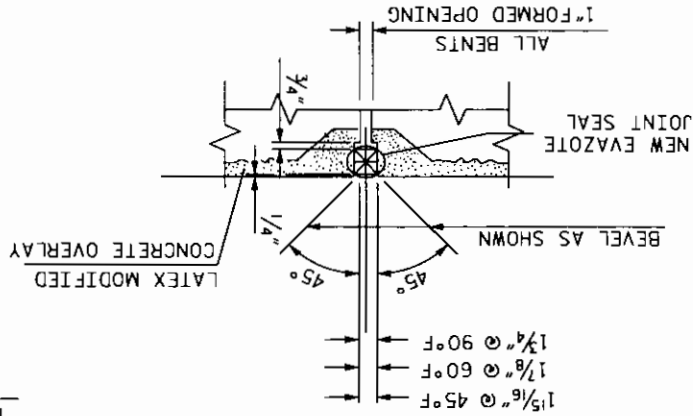
PLAN VIEW OF BRIDGE



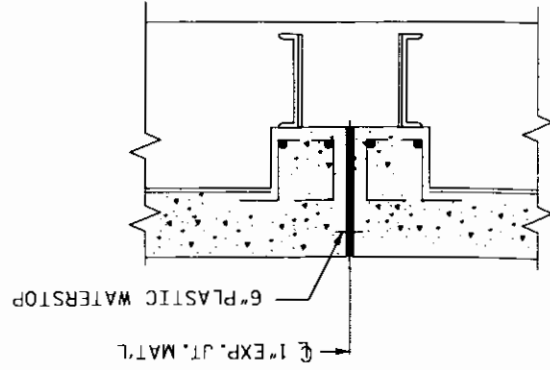
PLAN



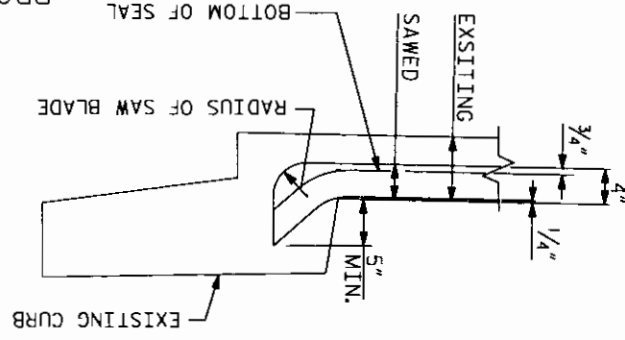
SECTION H-H



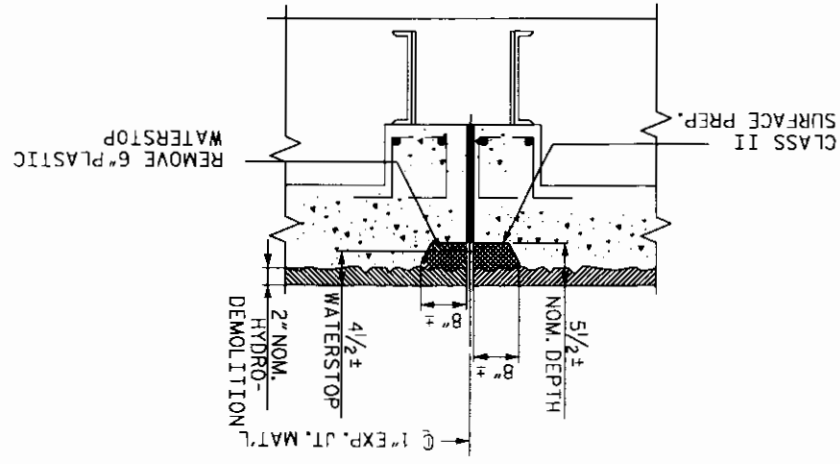
SECTION H-H



SECTION I-I



MINIMUM EXISTING JOINT DEMOLITION



NOTE: RETAIN ALL EXISTING REINF. STEEL, CLEAN AND REPAIR AS REQ'D.

DRAWN BY : S.T. SANDOR
CHECKED BY : A. ABRAHA
DATE : FEB./2010

*****SYSTEM*****
*****USER*****

NO.	BY	DATE	NO.	BY	DATE
1			2		
2			3		
3			4		
4			5		
5			6		
6			7		
7			8		
8			9		
9			10		
10			11		
11			12		
12			13		
13			14		
14			15		
15			16		
16			17		
17			18		
18			19		
19			20		
20			21		
21			22		
22			23		
23			24		
24			25		
25			26		
26			27		
27			28		
28			29		
29			30		
30			31		
31			32		
32			33		
33			34		
34			35		
35			36		
36			37		
37			38		
38			39		
39			40		
40			41		
41			42		
42			43		
43			44		
44			45		
45			46		
46			47		
47			48		
48			49		
49			50		
50			51		
51			52		
52			53		
53			54		
54			55		
55			56		
56			57		
57			58		
58			59		
59			60		
60			61		
61			62		
62			63		
63			64		
64			65		
65			66		
66			67		
67			68		
68			69		
69			70		
70			71		
71			72		
72			73		
73			74		
74			75		
75			76		
76			77		
77			78		
78			79		
79			80		
80			81		
81			82		
82			83		
83			84		
84			85		
85			86		
86			87		
87			88		
88			89		
89			90		
90			91		
91			92		
92			93		
93			94		
94			95		
95			96		
96			97		
97			98		
98			99		
99			100		
100			101		
101			102		
102			103		
103			104		
104			105		
105			106		
106			107		
107			108		
108			109		
109			110		
110			111		
111			112		
112			113		
113			114		
114			115		
115			116		
116			117		
117			118		
118			119		
119			120		
120			121		
121			122		
122			123		
123			124		
124			125		
125			126		
126			127		
127			128		
128			129		
129			130		
130			131		
131			132		
132			133		
133			134		
134			135		
135			136		
136			137		
137			138		
138			139		
139			140		
140			141		
141			142		
142			143		
143			144		
144			145		
145			146		
146			147		
147			148		
148			149		
149			150		
150			151		
151			152		
152			153		
153			154		
154			155		
155			156		
156			157		
157			158		
158			159		
159			160		
160			161		
161			162		
162			163		
163			164		
164			165		
165			166		
166			167		
167			168		
168			169		
169			170		
170			171		
171			172		
172			173		
173			174		
174			175		
175			176		
176			177		
177			178		
178			179		
179			180		
180			181		
181			182		
182			183		
183			184		
184			185		
185			186		
186			187		
187			188		
188			189		
189			190		
190			191		
191			192		
192			193		
193			194		
194			195		
195			196		
196			197		
197			198		
198			199		
199			200		
200			201		
201			202		
202			203		
203			204		
204			205		
205			206		
206			207		
207			208		
208			209		
209			210		
210			211		
211			212		
212			213		
213			214		
214			215		
215			216		
216			217		
217			218		
218			219		
219			220		
220			221		
221			222		
222			223		
223			224		
224			225		
225			226		
226			227		
227			228		
228			229		
229			230		
230			231		
231			232		
232			233		
233			234		
234			235		
235			236		
236			237		
237			238		
238			239		
239			240		
240			241		
241			242		
242			243		
243			244		
244			245		
245			246		
246			247		
247			248		
248			249		
249			250		
250			251		
251			252		
252			253		
253			254		
254			255		
255			256		
256			257		
257			258		
258			259		
259			260		
260			261		
261			262		
262			263		
263			264		
264			265		
265			266		
266			267		
267			268		
268			269		
269			270		
270			271		
271			272		
272			273		
273			274		
274			275		
275			276		
276			277		
277			278		
278			279		
279			280		
280			281		
281			282		
282			283		
283			284		
284			285		
285			286		
286			287		
287			288		
288			289		
289			290		
290			291		
291			292		
292			293		
293			294		
294			295		
295			296		
296			297		
297			298		
298			299		
299			300		
300			301		
301			302		
302			303		
303			304		
304			305		
305			306		
306			307		
307			308		
308			309		
309			310		
310			311		
311			312		
312			313		
313			314		
314			315		
315			316		
316			317		
317			318		
318			319		
319			320		
320			321		
321			322		
322			323		
323			324		
324			325		
325			326		
326			327		
327			328		
328			329		
329			330		
330			331		
331			332		
332			333		
333			334		
334			335		
335			336		
336			337		
337			338		
338			339		
339			340		
340			341		
341			342		
342			343		
343			344		
344			345		
345			346		
346					

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 UNDESIRABLE 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 OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

D) 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.

E) 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.

F) 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.

G) 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.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL, 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.

TRAFFIC PATTERN ALTERATIONS

I) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

J) FURNISH AND INSTALL SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD AS SHOWN IN THE TRAFFIC CONTROL PLAN.

K) FURNISH AND INSTALL SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE. WHEN ROAD CLOSURE IS NOT IN OPERATION. COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD

L) OFFSITE DETOUR SIGNS ARE NOT REQUIRED TO BE COVERED ON A DAILY BASIS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

M) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

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

7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 P.M. TUESDAY TO 6:00 A.M. MONDAY.

6) FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 P.M. FRIDAY AND 6:00 A.M. TUESDAY.

5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 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 7:00 P.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.

4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 P.M. FRIDAY TO 6:00 A.M. TUESDAY.

3) FOR EASTER, BETWEEN THE HOURS OF 7:00 P.M. THURSDAY AND 6:00 A.M. MONDAY.

2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 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.

1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.

HOLIDAY

ROAD NAME
SR 1001

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

ROAD NAME
SR 1001
DAY AND TIME RESTRICTIONS
6:00 A.M.-7:00 P.M. MONDAY THRU THURSDAY (DAILY)
6:00 A.M. FRIDAY THRU 7:00 P.M. THE FOLLOWING SUNDAY

B) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME
SR 1001
DAY AND TIME RESTRICTIONS
6:00 A.M.-9:00 A.M. MONDAY THROUGH THURSDAY AND 3:00 P.M.-7:00 P.M. MONDAY THROUGH THURSDAY AND 6:00 A.M. FRIDAY THROUGH 7:00 P.M. SUNDAY

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

TIME RESTRICTIONS

Q) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

R) SUBMIT TO THE ENGINEER A WORK AREA QUICK CLEARANCE PLAN TO ALLOW ACCESS FOR EMERGENCY VEHICLES. CONDUCT ALL CONSTRUCTION OPERATIONS IN SUCH A MANNER AS TO ALLOW EMERGENCY VEHICLE PASSAGE THROUGH BRIDGE AT ALL TIMES.

MISCELLANEOUS

ROAD NAME
SR 1001
MARKING
POLYUREA
MARKER
NDNE

P) UPON COMPLETION OF ALL OTHER CONSTRUCTION OPERATIONS INSTALL FINAL PAVEMENT MARKINGS ON THE FINAL SURFACE AS FOLLOWS:

PAVEMENT MARKINGS AND MARKERS

O) REPLACE OBLITERATED EXISTING MARKINGS WITH PAINT MARKINGS BEFORE OPENING LANES TO TRAFFIC.

N) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

TRAFFIC CONTROL DEVICES

GENERAL NOTES

SEAL		SIGNATURE		DATE
4/16/10		[Signature]		
[Stamp: NORTH CAROLINA PROFESSIONAL ENGINEER, CIVIL, 4949]		[Stamp: Stattec]		
Stattec Consulting Services Inc. 801 Jones Franklin Road Raleigh, NC 27606 Phone 919.851.4386 Fax 919.851.7024 www.stattec.com License No. F-10872		DESIGNED BY: BLW CHECKED BY: GK DATE: MAR. 2010 SCALE: NONE		REVISIONS
[Logo: Stattec]		[Logo: North Carolina Professional Engineer]		

3/9/2010
C:\projects\bk-5101f\bk-5101f.dwg
3/9/2010

TRAFFIC CONTROL PHASING
BRIDGE #10
ROAD CLOSURE

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	MAR. 2010	GK	BLW

DATE

3/9/10

SIGNATURE

SEAL

Starlec

Starlec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel: (919) 851-6868
Fax: (919) 851-7024
www.starlec.com
License No. F-0672

TRAFFIC CONTROL PHASING
(SEE SHEETS TCP-3 AND TCP-4)

STEP 1:
INSTALL OFFSITE DETOUR ROUTE SIGNS ACCORDING TO SHEET TCP-4. DETOUR ROUTE GUIDE SIGNS DO NOT HAVE TO BE COVERED AT THE END OF EACH ROAD CLOSURE PERIOD.

STEP 2:
CLOSE SR 1001 MALCOLM BLVD. ACCORDING TO RSD 1101.03 SHEET 1 OF 9. ROAD CLOSURE WARNING SIGNS AND BARRICADES MUST BE COVERED OR REMOVED AT THE END OF EACH ROAD CLOSURE PERIOD.

PERFORM BRIDGE DECK PRESERVATION OPERATIONS USING NIGHTLY ROAD CLOSURES IN ACCORDANCE WITH THE TIME RESTRICTIONS SET FORTH IN THE GENERAL NOTES AND PROJECT SPECIAL PROVISIONS.

DURING EACH ROAD CLOSURE WORK PERIOD, PERFORM ONLY THE AMOUNT OF HYDRO-DEMOLITION THAT CAN BE OVERLAYED WITH THE LATEX MODIFIED CONCRETE AND CURED TO CARRY TRAFFIC.

PERFORM WORK IN ONE LANE AT A TIME IN SUCH A MANNER THAT EMERGENCY VEHICLES MAY BE ABLE TO PASS THROUGH THE BRIDGE.

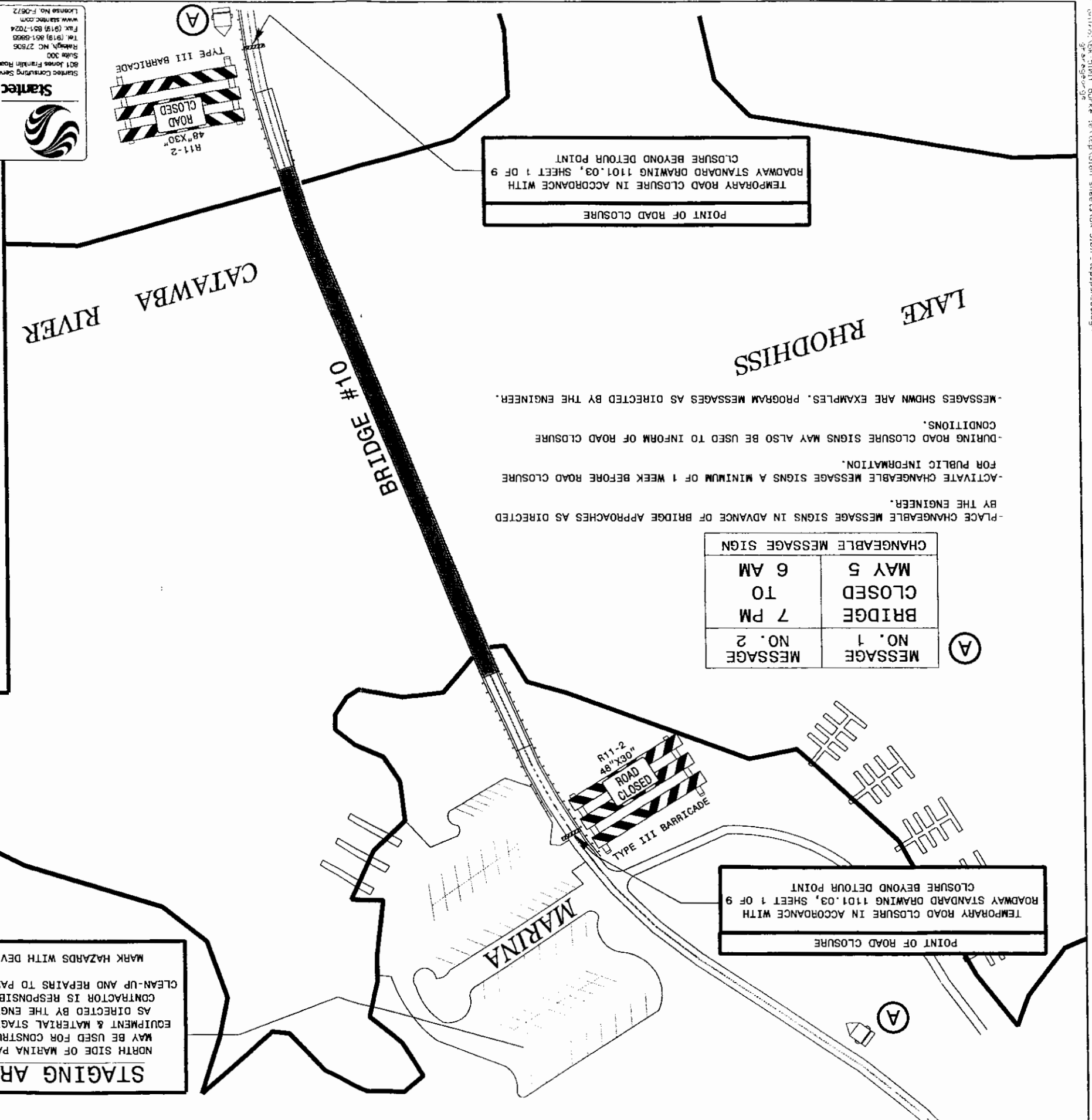
WHEN LANE CLOSURES ARE NOT IN EFFECT MOVE EQUIPMENT TO STAGING AREA AT LEAST 40 FEET AWAY FROM ANY TRAVEL LANE AS APPROVED BY THE ENGINEER.

REPLACE OBLITERATED PAVEMENT MARKINGS WITH PAINT BEFORE RE-OPENING LANES, AS DIRECTED BY THE ENGINEER.

STEP 3:
UPON COMPLETION OF ALL OTHER WORK INSTALL POLYUREA PAVEMENT MARKINGS OVER THE EXISTING MARKINGS.

UPON COMPLETION OF THE PROJECT, REMOVE ALL TRAFFIC CONTROL DEVICES.

STAGING AREA
NORTH SIDE OF MARINA PARKING
MAY BE USED FOR CONSTRUCTION
EQUIPMENT & MATERIAL STAGING AREA,
AS DIRECTED BY THE ENGINEER.
CONTRACTOR IS RESPONSIBLE FOR
CLEAN-UP AND REPAIRS TO PARKING LOT.
MARK HAZARDS WITH DEVICES.



CHANGEABLE MESSAGE SIGN	
MESSAGE NO. 1	BRIDGE CLOSED
MESSAGE NO. 2	7 PM TO 6 AM

POINT OF ROAD CLOSURE
TEMPORARY ROAD CLOSURE IN ACCORDANCE WITH
ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9
CLOSURE BEYOND DETOUR POINT

POINT OF ROAD CLOSURE
TEMPORARY ROAD CLOSURE IN ACCORDANCE WITH
ROADWAY STANDARD DRAWING 1101.03, SHEET 1 OF 9
CLOSURE BEYOND DETOUR POINT

		SCALE: NONE		DATE: MAR. 2010		DESIGN BY: GK		APPROVED BY: BLW	
		REVISIONS		DATE:		DESIGN BY: GK		APPROVED BY: BLW	
DETOUR ROUTE SR 1001									

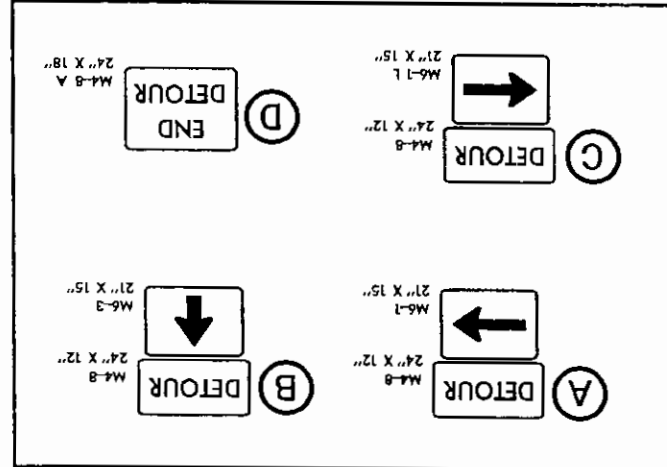
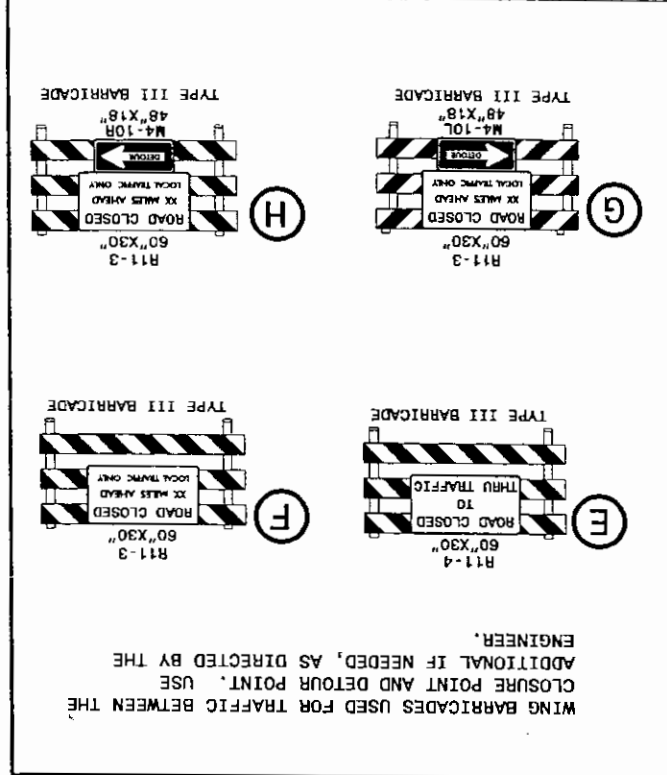


Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Raleigh, NC 27606
 Tel. (919) 651-0656
 Fax (919) 651-7024
 www.stantec.com
 License No. F-0617

SEAL

3/19/10

JOHN CAROLINA FOREST SERVICE



PROJECT REFERENCE NO.	BK-51D1F
SHEET NO.	TCP-4

DETOUR ROUTE
 DRY PONDS RD.
 RIGHT ON US 321A (N. MAIN ST.)
 RIGHT ON DUKE ST.
 TURNS INTO
 W. CALDWELL DR.
 TURNS INTO
 BURKE ST.
 TURNS INTO
 RHODISS RD.
 RIGHT ON US 70 WEST
 RIGHT ON MALCOLM BLVD SR 1001 CONNELLY SPRINGS RD.

