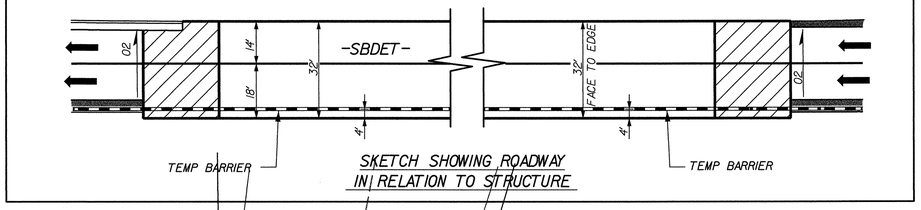
7/12/05

REVISIONS



DETOUR DETAIL

PROJECT REFERENCE NO.	SHEET NO.
I-4025A	2-D
RW SHEET NO.	

ROADWAY DESIGN ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 13747 ENGINEER WARREN F. LAMB — 9-8-04

HYDRAULICS ENGINEER: NORTH CAROLINA PROFESSIONAL SEAL 021162 ENGINEER WILLIAM HERBERT TURNER JR — 9-8-2004

-SBDET-
PI Sta 21+37.70
Δ = 3° 17' 59.6" (RT)
D = 0° 30' 00.0"
L = 659.98'
T = 330.08'
R = 11,459.16'
SE = NC
DS = 55 MPH

-SBDET-
PI Sta 37+24.42
Δ = 3° 48' 36.7" (RT)
D = 0° 30' 00.0"
L = 762.04'
T = 381.16'
R = 11,459.16'
SE = NC
DS = 55 MPH

NAD 83 / NC GRID

-MATCHLINE- STA. 23+00 SEE SHEET NO. 2-C

-MATCHLINE- STA. 36+50 SEE SHEET NO. 2-E

25+00 | 30+00 | 35+00

I-4025 -BL- 43 POT 5+00.00

(1) BARBARA MAYBERRY
EB 214 PG 360

(2) WILLIAM T. MARSH
DB 739 PG 858
DB 525 PG 1143

VAUGHN BASSETT FURNITURE
DBA ELKIN FURNITURE
DB 279 PG 415

YADKIN COUNTY / SURRY COUNTY

YADKIN RIVER

PROPERTY LINE = CENTERLINE OF RIVER

100' RAILROAD RIGHT OF WAY

YADKIN VALLEY RAILROAD

TO INDUSTRIAL DR

6 MILE POST 79

VARIABLE WIDTH EXISTING RIGHT OF WAY

NC 858

BEGIN APPROACH SLAB
-SBDET- POT 24+91.56

BEGIN BRIDGE
-SBDET- POT 25+15.56

END APPROACH SLAB
-SBDET- POT 32+99.56

END BRIDGE
-SBDET- POT 32+75.56

-SBDET- PT 24+67.60

-SBDET- PC 33+43.26

PROP C/A & PROP WW FENCE STA 25+02.00 40.63' LT -SBL-

BEG C/A AND PROP WW FENCE STA 33+25.07 97.78' LT -SBL-
TIE TO EXIST CONC FLUME
MOD CONC DITCH
STA 33+38 LT
STA 39+38 LT
END SBG

(STRUCTURE PAY ITEM) CLASS "I" RIP RAP TIE TO EXISTING RIPRAP ALONG ABUTMENT SLOPE

(STRUCTURE PAY ITEM) 16" PVC (HORIZ) TRUNKS

CLASS "I" RIP RAP EST 1 TONS EST 4 SQ YD FF

(STRUCTURE PAY ITEM) 16" PVC (HORIZ) TRUNKS

CLASS "I" RIP RAP EST 1 TONS EST 4 SQ YD FF

END MSE RETAINING WALL STA 25+66.50 -SBL-

EXISTING R/W

WOODS

FALL CREEK

PROP WW FENCE

SHOULDER BERM GUTTER

MSE RETAINING WALL

PROP GUARDRAIL

TBDLw STI GR

125 LF CS SLOTTED DRAIN

-SBDET-
N 10° 44' 50.5" W

TEMP BARRIER

EXIST. BRIDGE

SLOPE STAKE LINE

MTL GR W/MTL POSTS

2.0' CONC. C&G

CPD

15" CMP

TB2GI

MTL GUARD RAIL W/MTL POSTS

RETAIN

I-4025 -BL- 1 PINC 19+24.40 =
I-2807A -BL- 15+00.00
-SBL- STA 25+17.56, 61.91' RT.

I-4025 -BL- 44 PINC 9+44.37

I-2807A -BL- 46 POT 25+90.44 =
I-4025 -BL268- 9+79.93
(POINT NOT SET)
-SBL- STA 31+83.61, 62.09' RT.

THE INTERSECTION OF THE RAILROAD AND THE SOUTH BOUND LANE OF I-77 IS AT MILE 78.92 AND THE INTERSECTION OF THE NORTH BOUND LANE OF I-77 IS AT MILE 78.91. THE YADKIN VALLEY RAILROAD MILE MARKERS ARE RUNNING FROM EAST TO WEST. SOUTH BOUND BRIDGE # 6 AND THE NORTH BOUND BRIDGE IS # 13. ELEVATIONS AND DISTANCES ON THE APPROACHES ARE SHOWN ON THE ATTACHED STRUCTURE SKETCH.

DETAIL II
FALSE SUMP
(Not to Scale)
0.5' Min.
1.0' Max.
Outside Ditch Traffic Flow
10:1
20:1
2.0'
6:1 etc.
S
S = Ditch Slope
℄ Proposed Ditch

ROADWAY	STATION	SIDE
-SBL-	32+90	LT
-SBL-	36+40	LT

INFLOW UNKNOWN

RETAIN 24" CONC

15" CONC

24" CONC

CB

JB

24" CSP wELBS

FS-2 2GI(A)

15"

PROPOSED GUARDRAIL

TYPE III

REMOVE

COLLAR

REMOVE 18" CONC

REM

18" CONC

SBL I-77 24" CONC

CPD

72" CONC

MTL GUARD RAIL W/MTL POSTS

18" SLOPE STAKE LINE

2.0' CONC. C&G

NBL I-77 24" CONC

FS-2 2GI

GALV-350 +6.25 (SBL)

I-4025 -BL- 2 PINC 27+14.49 =
I-2807A BL-2 12+90.09
-SBL- STA 33+07.65, 62.12' RT.

I-4025 -BL- 45 POT 13+09.42

TO SR 1139

FOR ROADWAY PLAN, SEE SHEET 5
FOR RETAINING WALL DETAILS, SEE STRUCTURE PLANS

Plans prepared by:
KO & ASSOCIATES, P.C.
Consulting Engineers
1011 SCHAUB DR., SUITE #202
RALEIGH, N.C. 27606
For Division of Highways

09/08/2004
I:\Roadway\Proj\14025a_rdy_psh_det2.dgn
KO & Associates, P.C.