NORTH CAROLINA STATE HIGHWAY CONSTRUCTION AND INVENTORY DIAGRAM

COUNTY FORSYTH GUILFORD | ROUTE I-40 | SHEET 14 OF 30

F A SYSTEM

CONSTRUCTION RECORD

2" BCSC on 2.5" BC BINDER COURSE on 3.5" BCBC on 8" AGGR. BASE COURSE STABILIZED BY 7"-8" SUBGRADE. 1992 8.1620416

1990 8.1620415 GRD'G., DRNG., PAV. 1"-3" BCSC on Exist. Pav., Sign.

11" PORT. CEMENT on PERMEABLE ASPHALT BASE COURSE STABILIZED BY 7"-8" SUBGRADE

11" PORT. CEMENT on 5" ASPHALT DRAINAGE COURSE STABILIZED BY 7"-8" SUBGRADE 1992 8.1620421

1992 8.160422\I-900BC 11" CEMENT, ON 5" ASPHALT, DRN, GRAD, STR, PAV., GUARDRAIL, FENC, LONG LIFE PVT MARKINGS, & MARKERS, SIGNING, TRAFFIC SIGNALS, WIDEN, C & G, RESURF, & CULVERTES

1992 8.1620424 G&D, Pav. Res. Pav. Markers, 72', 11.5" PCC, 5" ABC, 1" BCSC, 4" Perm. Asp. Base

1992 8.1620420

1992 8.1620421

1993 8.1620416 I-900AA 2"BCS-11 HDS ON 2" BC BINDER -HDB ON BST MAT COAT GRD, DRN, GUARDRAIL, FENCE, STR, THERMO & RAISED MARKERS

1997 8.1492801 BARRIER, VAR MESS SIGN STRS & CONTROL SYSTEM, CONCRETE PEDESTAL & TRANSITION, GUARDRAIL

1993 8.1620418 G&D; Structs.; Lanes: 11.5" PCC on 1" BCSC-12 on 4" BCBC-HB on 7"-8" stabil. subgr. 36'-60' EBL, 36'-48' WBL; Shldrs.: var. depth econocrete on 5" ABC 2@10' in., 2@4'-10' out.; G&P ramps & loops; Pav. mark.

1993 8.1620426 Remove & replace exist. pav. w/ 11.5" PCC on 4" BCBC-HB 49' EBL, 54.5' WBL; Pav. mark.

1993 8.1620419 G&D; Structs.; Noise wall; Lanes: 11.5" PCC on 4" PABC on 1" BCSC-12 on 7"-8" stabil. subgr. 36'-46' EBL, 36'-48' WBL; Shldrs.: var. depth econocrete on 5" ABC 4@4'-10'; G&P ramps; Pav. mark.

1986 8.1620410 & 8.1620411 I-900M INTERCHANGE AT I-40 RELOCATION PROJECT, GRAD, DRAIN, & SURFACING

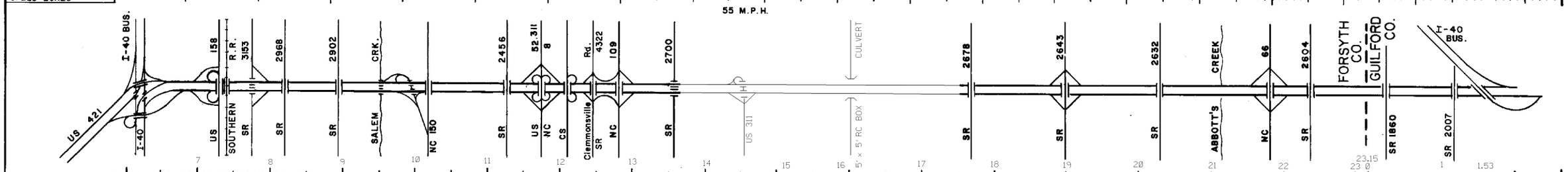
1993 8.1620420 I-900BA 11" PCC ON 1.5" BSCS, GRAD, DRAIN, STR, PAVING, GUARDRAIL, SIGNING, LONG LIFE & SNOWPLOWABLE MARKINGS

2001 8.1623701\I-4021 SAFETY IMPROVEMENTS- INSTALL MED. GUARDRAIL, REPLACE EXISTING GUARDRAIL & SODDING

R/W: 380' | 350' | 300' | 380' | 130' | 380' | 280'

COINCIDING ROUTES: US 311

SPEED ZONES: 55 M.P.H.



MEDIAN WIDTH: 50' | 48' | 26' | 4'-26' | 40' | 16' | 4'-6" | 16' | 46' | 40' | 46'

SURFACE TYPE

SURFACE WIDTH: 48' | 99' | EBL 36'-60' WBL 36'-48' | EBL 36'-46' WBL 36'-48' | 72' | 2@36' 72' | 2@24' | 48'

SHOULDER WIDTH LT.: 14' | EB & WBLs 10' IN. 4'-10' OUT. | EB & WBLs 4'-10' IN. & OUT. | C&G 14' | EBL 10' out. 3 in. | INSIDE 8' SHLD 4" PVD OUTSIDE 10' SHLD 10' PVD | 14'

SHOULDER WIDTH RT.: 14' | 12' | C&G 14' | WBL 10' out. 8'-6" in | INSIDE 8' SHLD 4" PVD OUTSIDE 10' SHLD 10' PVD | 14' | 12'

BRIDGES OR OVERPASSES LENGTH: 153' 142' | 186' 185' | 232' | 325' | 199' | 226' | 216' | 176' 330' | 178' 175' | 28 139' | 204' | 242' | 223' | 208' | 219' | 208'

BRIDGES OR OVERPASSES H.CL.: 68' 68' | 56' 56' | 40' | 29.9' | 99.9' | 45' | 52' | 52.5' 68' | 60' 52' | 20 42.8' | 26' | 32' | 68' | 31' | 26' | 25.9'

BRIDGES OR OVERPASSES V.CL.: 20' 15' | 15' 15' | 16' | 16' | 15' | 16' | 16' | 16' | 27' 27' | 20 16'01"

UNDERPASSES LENGTH: 265' 265' | 245'

UNDERPASSES H.CL.: 65.5' 76' | 29'

UNDERPASSES V.CL.: 17' 18' | 16'11"

TERRAIN: R O L L I N G

CURVES LT.: 1°00' | 1°00' 1°00' | 2°30'

CURVES RT.: 0°30' | 0°30' 1°05' | 3°00'

GRADES %: -1.40 +1.30 -.64 -2.64 +.76 -2.30 +1.36 -1.50 +2.06 -1.22 +3.00 -1.75 -.58 +1.45 +2.38 +5.13 +2.68 +1.63 +.65 -.52 -.41 -.81 -.47 -2.11 -2.24 -1.12 -.86 .50 2.11 -1.47 1.84 -2.87 2.32 -.52 .50 -2.46 2.69 -2.37 .50 -2.96 1.96 -.95

CONTROLLED ACCESS: F U L L

SIGHT DISTANCE IN DIRECTION OF TRAVEL (1500, 1000, 400, 0)

DESIGN DATA
1986 ADT 22,700
2006 ADT 36,500
DHV 11%
D 62%
T 16%
V 70 MPH

DATE

DATE DRAWN	5-21-93
DATE REVISED	

TERRAIN			
FLAT or ROLLING		MOUNTAINOUS	
Curves	Over 3°	Curves	Over 6°
Grades	Over 3% & 500' or more	Grades	Over 5% & 500' or more

DESCRIPTION: I-40 FROM I-40 BUS. IN FORSYTH CO. TO I-40 BUS. IN GUILFORD CO.

NORTH CAROLINA DEPARTMENT of TRANSPORTATION | DIVISION of HIGHWAYS | PLANNING and RESEARCH BRANCH