PROJECT REFERENCE NO.	SHEET NO.
U-2579B	15
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOSER

DocuSigned by: Anthony Hoser 8/11/2014

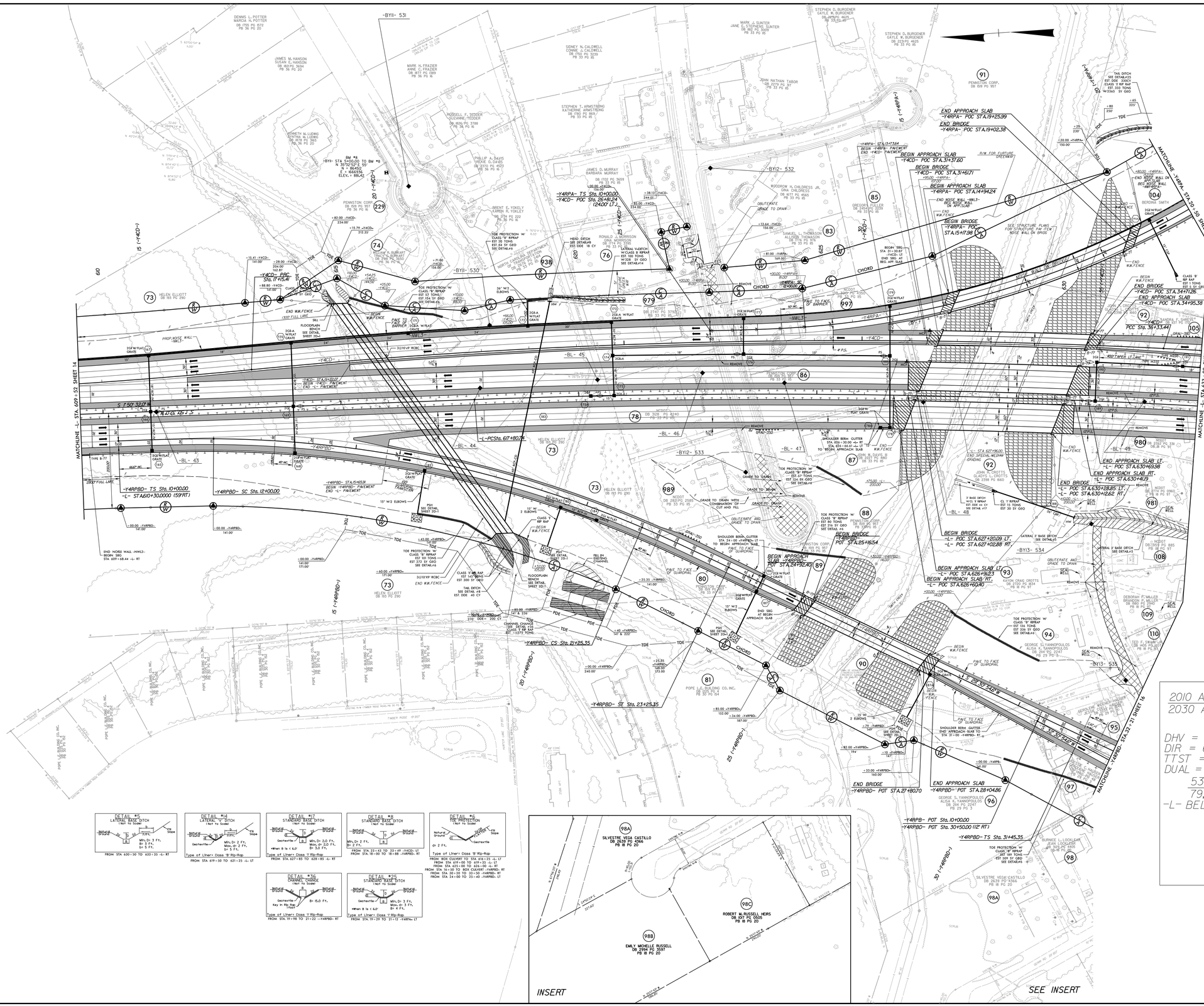
HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. HENRY WELLS, JR.

DocuSigned by: W. Henry Wells, Jr. 8/12/2014

REVISIONS

8/17/99



Y4CD

PI Sta 13+57.81	PI Sta 26+76.17	PI Sta 45+09.60
Δ = 3°24' 57.0" (LT)	Δ = 8° 27' 15.4" (RT)	Δ = 6°04' 22.6" (RT)
D = 0°28' 38.9"	D = 0°26' 55.7"	D = 0°27' 48.8"
L = 715.41'	L = 1,198.03'	L = 1,750.69'
T = 357.81'	T = 960.76'	T = 876.81'
R = 12,000.00'	R = 13,000.00'	R = 16,517.00'
SE = NC	SE = NC	SE = NC

Y4RPA

PI Sta 11+33.35	PI Sta 28+67.56	PI Sta 40+08.43
Θs = 2° 59' 59.2"	Δ = 82° 14' 46.8" (LT)	Θs = 2° 59' 59.2"
Ls = 200.00'	D = 2° 59' 59.2"	Ls = 200.00'
LT = 133.35'	L = 274.74'	LT = 133.35'
ST = 66.68'	T = 1,667.56'	ST = 66.68'
	R = 1,910.00'	
	SE = .06	

Y4RPBD-

Pls Sta 11+33.35	PI Sta 16+68.86	Pls Sta 21+92.03
Θs = 2° 07' 32.6"	Δ = 22° 49' 17.5" (RT)	Θs = 2° 07' 32.6"
Ls = 200.00'	D = 2° 07' 32.6"	Ls = 200.00'
LT = 133.35'	L = 925.35'	LT = 133.35'
ST = 66.68'	T = 468.96'	ST = 66.68'
	R = 2,530.00'	
	SE = .05	

Pls Sta 33+05.42	PI Sta 61+52.40	Pls Sta 64+51.91
Θs = 5° 17' 10.4"	Δ = 128° 37' 24.8" (LT)	Θs = 5° 17' 10.4"
Ls = 240.00'	D = 4° 18' 28.6"	Ls = 240.00'
LT = 160.07'	L = 2,985.50'	LT = 160.07'
ST = 80.06'	T = 2,767.06'	ST = 80.06'
	R = 1,330.00'	
	SE = .06	

-L-

Pls Sta 6.33+17.85
Δ = 11°06' 38.2" (RT)
D = 1°23' 57.7"
L = 3,180.22'
T = 1,595.17'
R = 16,400.00'
SE = NC

TRAFFIC DIAGRAM

2010 ADT	47,720	
2030 ADT	61,160	
DHV = 10%		
DIR = 60%	32,600	5,360
TTST = 12%	43,800	7,280
DUAL = 6%		
53,560		24,660
79,880		36,980
-L- BELTLINE	6,600	4,940
	11,800	5,420
DHV = 10%		
DIR = 60%		
TTST = 6%		21,300
DUAL = 5%		27,300

-Y4- (US 421/I-40 BUS.)

PAVED SHOULDER

PAVEMENT TO BE OBLITERATED

NOTE :

FOR -L- PROFILE, SEE SHEET 38
FOR -Y4CD- PROFILE, SEE SHEET 60-61
FOR -Y4RPA- PROFILE, SEE SHEET 69
FOR -Y4RPB- PROFILE, SEE SHEET 71
FOR -Y4RPBD- PROFILE, SEE SHEET 72-73
FOR BRIDGE SKETCHES, SEE SHEETS 2B-2, 2B-3

7/28/2014
8:30:23 PM
6130523

u2579b_rdy_pln_sht15.dgn