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PROJECT REFERENCE NO.	SHEET NO.
I-5878	19
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER — SEAL 027373 — 8/2/2021

HYDRAULICS ENGINEER — SEAL 39811 — 8/2/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT ENGINEER	DATE
PROJECT DESIGNER	DATE

NAD 83/2011

-Y15RPA-

Pt Sta 12+07.57	Pt Sta 14+62.86	Pt Sta 17+08.61	Pt Sta 21+08.12	Pt Sta 22+56.25
Θs = 3° 52' 02.5"	Δ = 13° 04' 19.8" (RT)	Θs = 3° 26' 15.3"	Θs = 9° 10' 02.4"	Δ = 2° 30' 10.6" (LT)
Ls = 296.00'	D = 3° 34' 51.6"	Ls = 192.00'	Ls = 160.00'	D = 11° 27' 33.0"
Lt = 144.03'	L = 365.04'	Lt = 128.02'	Lt = 106.81'	L = 187.65'
St = 72.03'	R = 1600.00'	St = 64.02'	St = 53.46'	T = 94.04'
				R = 500.00'

-SBCD-

Pt Sta 37+99.87
Δ = 122° 07' 00.0" (RT)
D = 7° 09' 43.7"
L = 307.18'
T = 155.50'
R = 800.00'

-L-

Pt Sta 100+45+83	Pt Sta 101+30+94	Pt Sta 102+07+04
Θs = 1° 34' 13.2"	Δ = 1° 38' 36.0" (RT)	Θs = 1° 34' 13.2"
Ls = 296.00'	D = 1° 03' 39.1"	Ls = 296.00'
Lt = 197.34'	L = 154.88'	Lt = 197.34'
St = 98.67'	T = 77.45'	St = 98.67'
	R = 5,400.00'	

-LREV-

Pt Sta 101+94.39	Pt Sta 101+96.89	Pt Sta 105+98.91
Θs = 11° 54' 30.8"	Δ = 2° 08' 00.8" (RT)	Θs = 11° 54' 30.8"
Ls = 223.10'	D = 1° 40' 06.6"	Ls = 223.10'
Lt = 148.00'	L = 256.58'	Lt = 148.00'
St = 74.00'	T = 128.31'	St = 74.00'
	R = 7,000.00'	

-SRII-

Pt Sta 16+33.35	Pt Sta 15+89.74	Pt Sta 19+80.64
Δ = 56° 17' 22.7" (LT)	Δ = 15° 46' 13.0" (LT)	Δ = 57° 53.5" (LT)
D = 19° 05' 54.9"	D = 3° 40' 41.2"	D = 3° 49' 11.0"
L = 294.15'	L = 428.00'	L = 153.11'
Lt = 160.09'	T = 225.37'	T = 76.62'
R = 300.00'	R = 1557.00'	R = 1500.00'

-Y25A-

Pt Sta 23+14.57
Δ = 7° 13' 49.2" (RT)
D = 0° 13' 45.2"
L = 420.50'
T = 50.28'
R = 25,000.00'

-Y15-

Pt Sta 21+15.71	Pt Sta 28+30.77	Pt Sta 38+05.01
Δ = 5° 01' 53.2" (RT)	Δ = 12° 44' 44.2" (RT)	Δ = 12° 00' 00.1" (RT)
D = 1° 39' 13.3"	D = 1° 08' 45.3"	D = 1° 29' 56.8"
L = 303.46'	L = 1,012.28'	L = 637.16'
T = 152.64'	T = 508.44'	T = 420.42'
R = 3,500.00'	R = 5,000.00'	R = 4,000.00'

-Y15RPA-

Pt Sta 11+26.02	Pt Sta 16+33.56	Pt Sta 21+24.60	Pt Sta 24+43.56	Pt Sta 26+57.18
Θs = 2° 55' 36.2"	Δ = 27° 09' 28.4" (LT)	Θs = 2° 55' 36.2"	Θs = 10° 41' 42.8"	Δ = 38° 58' 23.2" (RT)
Ls = 189.00'	D = 3° 59' 49.4"	Ls = 189.00'	Ls = 168.00'	D = 10° 45' 56.8"
Lt = 189.00'	L = 817.58'	Lt = 189.00'	Lt = 112.27'	L = 303.46'
St = 63.02'	T = 444.56'	St = 63.02'	St = 56.19'	T = 157.76'
	R = 1,250.00'			R = 450.00'

-SRII-

Pt Sta 23+31.00	Pt Sta 27+88.20	Pt Sta 29+69.96
Δ = 56° 17' 44.5" (LT)	Δ = 15° 54' 57.1" (RT)	Δ = 11° 37' 46.2" (RT)
D = 22° 54' 05.9"	D = 8° 33' 05.8"	D = 5° 49' 53.0"
L = 228.98'	L = 162.73'	L = 200.00'
T = 123.18'	T = 82.17'	T = 100.89'
R = 250.00'	R = 670.00'	R = 650.00'

-Y15RPD-

Pt Sta 11+26.02	Pt Sta 16+33.56	Pt Sta 21+24.60	Pt Sta 24+43.56	Pt Sta 26+57.18
Θs = 2° 55' 36.2"	Δ = 27° 09' 28.4" (LT)	Θs = 2° 55' 36.2"	Θs = 10° 41' 42.8"	Δ = 38° 58' 23.2" (RT)
Ls = 189.00'	D = 3° 59' 49.4"	Ls = 189.00'	Ls = 168.00'	D = 10° 45' 56.8"
Lt = 189.00'	L = 817.58'	Lt = 189.00'	Lt = 112.27'	L = 303.46'
St = 63.02'	T = 444.56'	St = 63.02'	St = 56.19'	T = 157.76'
	R = 1,250.00'			R = 450.00'

REVISIONS

08/03/21 – R/W REVISIONS: ADDED R/W AND DRIVE TURNOUT ON PARCEL 75 FOR BILLBOARD ACCESS. SCL

I-95 & US 421(E. CUMBERLAND ST.)

2020 AADT 80,400 — 2040 AADT 92,000

★ PROPOSED SIGNAL

NOTE: DRIVEWARD RADII = 10' UNLESS SHOWN OTHERWISE

GRAPHIC SCALE 0 — PLANS

FOR –L– PROFILE SEE SHEET 73
FOR –LREV– PROFILE SEE SHEET 73
FOR –Y15– PROFILE SEE SHEETS 91 & 92
FOR –NBCD– PROFILE SEE SHEET 97
FOR –SBCD– PROFILE SEE SHEETS 98
FOR –Y15RPA– PROFILE SEE SHEET 98 & 99
FOR –Y15RPD– PROFILE SEE SHEET 99 & 100
FOR –Y25A– PROFILE SEE SHEET 101
FOR –SRII– PROFILE SEE SHEETS 103 & 104
FOR –SR12– PROFILE SEE SHEET 105
FOR –SR18– PROFILE SEE SHEET 106
FOR BRIDGE SKETCH SEE SHEET 2B-1