

8/14/2014
3:00:22 PM

Construction Alignment Data Sheets.dgn
Plotted By: stewartwillis

PROJECT MANAGER _____
SURVEYED BY, DATE _____
DESIGN BY _____
SUBSURFACE UTILITY BY, DATE _____

CONSTRUCTION ALIGNMENT

REVISED	STATE	ROUTE	STATE PROJECT	SHEET NO.
	VA.	XXX	XXXX-XXX-XXX, C-50X R-20X	IG
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Location & Design Fredericksburg, Virginia ROADWAY ENGINEER				

* 1 DESCRIBE CHAIN 79094

Chain 79094 contains:
D001 CUR C41 CUR C42 D006 D007 D010 D011

Beginning chain 79094 description
Feature: Adjusted Alignment
Description: 700'r 485'r

Point D001 N 391,998.64 E 3,846,650.05 Sta 28+00.00

Course from D001 to PC C41 S 57° 12' 38.02" E Dist 219.90

Curve Data

Curve C41
P.I. Station 31+27.64 N 391,821.20 E 3,846,925.48
Delta = 17° 29' 58.00" (LT)
Degree = 8° 11' 06.40"
Tangent = 107.74
Length = 213.80
Radius = 700.00
External = 8.24
Long Chord = 212.97
Mid. Ord. = 8.15
S. E. = 7.200
V = 40
P.C. Station 30+19.90 N 391,879.55 E 3,846,834.91
P.T. Station 32+33.70 N 391,792.79 E 3,847,029.41
C.C. = N 392,468.01 E 3,847,214.00
Back = S 57° 12' 38.02" E
Ahead = S 74° 42' 36.02" E
Chord Bear = S 65° 57' 37.02" E

Course from PT C41 to PC C42 S 74° 42' 36.02" E Dist 193.48

Curve Data

Curve C42
P.I. Station 35+35.62 N 391,713.17 E 3,847,320.64
Delta = 25° 12' 26.24" (RT)
Degree = 11° 48' 48.83"
Tangent = 108.44
Length = 213.38
Radius = 485.00
External = 11.98
Long Chord = 211.66
Mid. Ord. = 11.69
S. E. = 8.000
V = 40
P.C. Station 34+27.18 N 391,741.77 E 3,847,216.04
P.T. Station 36+40.56 N 391,642.75 E 3,847,403.11
C.C. = N 391,273.94 E 3,847,088.14
Back = S 74° 42' 36.02" E
Ahead = S 49° 30' 09.78" E
Chord Bear = S 62° 06' 22.90" E

Course from PT C42 to D006 S 49° 30' 09.78" E Dist 258.73

Point D006 N 391,474.73 E 3,847,599.86 Sta 38+99.29

Course from D006 to D007 S 48° 33' 09.83" E Dist 52.06

Point D007 N 391,440.27 E 3,847,638.88 Sta 39+51.34

Course from D007 to D010 S 54° 47' 55.71" E Dist 263.75

Point D010 N 391,288.23 E 3,847,854.40 Sta 42+15.10

Course from D010 to D011 S 45° 20' 25.86" E Dist 236.89

Point D011 N 391,121.72 E 3,848,022.90 Sta 44+51.99

Ending chain 79094 description

PROJECT	SHEET NO.
XXXX-XXX-XXX	IG

FIGURE 2H - 9 SAMPLE CONSTRUCTION ALIGNMENT DATA SHEET