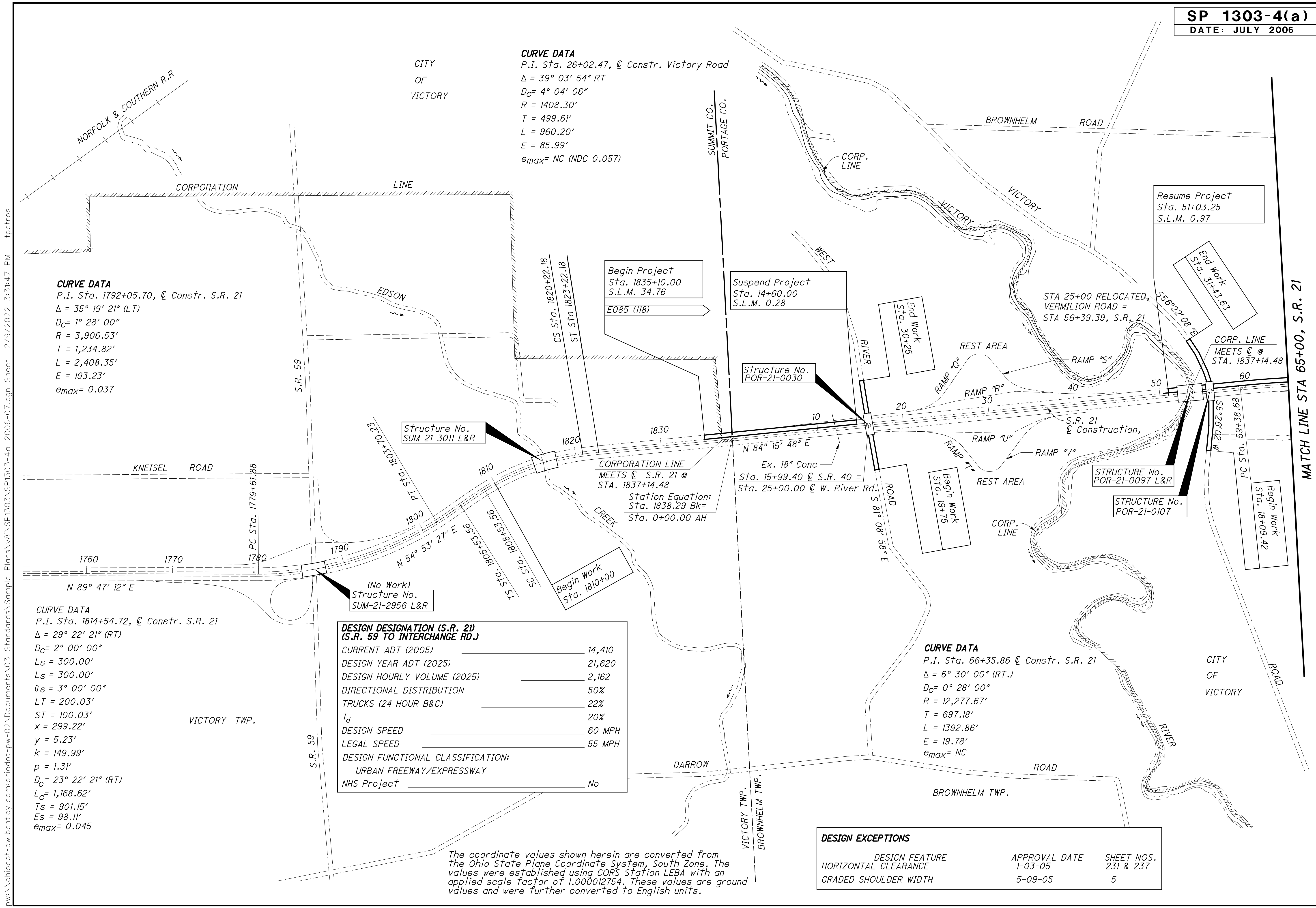


SCHEMATIC PLAN & DESIGN DESIGNATION

**SUM / POR-21-30.51 / 0.00
AND VARIOUS**



CURVE DATA
P.I. Sta. 1792+05.70, @ Constr. S.R. 21
 $\Delta = 35^\circ 19' 21''$ (LT)
 $D_c = 1^\circ 28' 00''$
 $R = 3,906.53'$
 $T = 1,234.82'$
 $L = 2,408.35'$
 $E = 193.23'$
 $\theta_{max} = 0.037$

CURVE DATA
P.I. Sta. 26+02.47, @ Constr. Victory Road
 $\Delta = 39^\circ 03' 54''$ RT
 $D_c = 4^\circ 04' 06''$
 $R = 1408.30'$
 $T = 499.61'$
 $L = 960.20'$
 $E = 85.99'$
 $\theta_{max} = NC$ (NDC 0.057)

CURVE DATA
P.I. Sta. 1814+54.72, @ Constr. S.R. 21
 $\Delta = 29^\circ 22' 21''$ (RT)
 $D_c = 2^\circ 00' 00''$
 $L_s = 300.00'$
 $L_s = 300.00'$
 $\theta_s = 3^\circ 00' 00''$
 $LT = 200.03'$
 $ST = 100.03'$
 $x = 299.22'$
 $y = 5.23'$
 $k = 149.99'$
 $p = 1.31'$
 $D_c = 23^\circ 22' 21''$ (RT)
 $L_c = 1,168.62'$
 $T_s = 901.15'$
 $E_s = 98.11'$
 $\theta_{max} = 0.045$

**DESIGN DESIGNATION (S.R. 21)
(S.R. 59 TO INTERCHANGE RD.)**

CURRENT ADT (2005)	14,410
DESIGN YEAR ADT (2025)	21,620
DESIGN HOURLY VOLUME (2025)	2,162
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	22%
T_d	20%
DESIGN SPEED	60 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION: URBAN FREEWAY/EXPRESSWAY	
NHS Project	No

CURVE DATA
P.I. Sta. 66+35.86 @ Constr. S.R. 21
 $\Delta = 6^\circ 30' 00''$ (RT.)
 $D_c = 0^\circ 28' 00''$
 $R = 12,277.67'$
 $T = 697.18'$
 $L = 1392.86'$
 $E = 19.78'$
 $\theta_{max} = NC$

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATE	SHEET NOS.
HORIZONTAL CLEARANCE	1-03-05	231 & 237
GRADED SHOULDER WIDTH	5-09-05	5

The coordinate values shown herein are converted from the Ohio State Plane Coordinate System, South Zone. The values were established using CORS Station LEBA with an applied scale factor of 1.000012754. These values are ground values and were further converted to English units.

p:\ohiodot\pw\ohiodot-pw-02\Documents\03_Standards\Sample Plans\SP1303-4a_2006-07.dgn Sheet 2/9/2022 3:31:47 PM tpetros