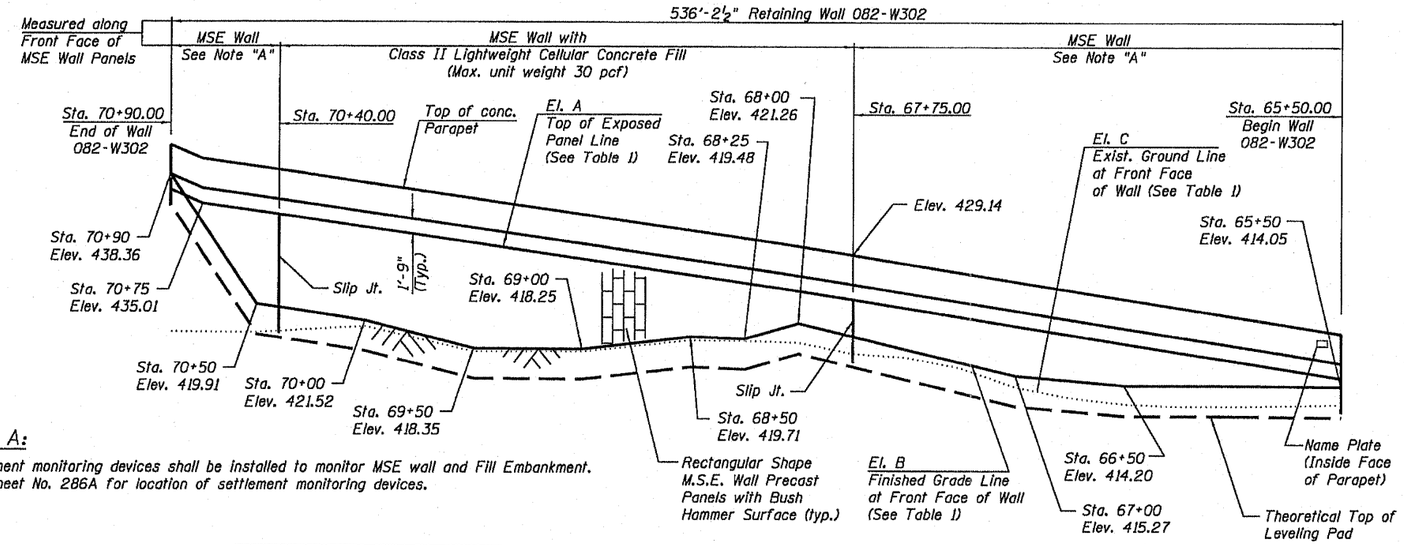
Benchmark JD4: Chiselled square northerly foundation sign truss over I-55/70 W.B. Ramp to I-64 E.B. 35.5' RT. Sta. 18+35 (55S64E) Elev. 403.40.
Existing Structure: None



Note A:

Settlement monitoring devices shall be installed to monitor MSE wall and Fill Embankment. See Sheet No. 286A for location of settlement monitoring devices.

TABLE 1				
Station	Offset (Radial)	Elevation A	Elevation B	Elevation C
65+50.00	10'-11" Rt.	415.01	414.05	412.01
66+00.00	10'-11" Rt.	417.01	414.16	411.82
66+50.00	10'-11" Rt.	419.01	414.2	412.08
67+00.00	10'-11" Rt.	421.01	415.27	413.95
67+50.00	10'-11" Rt.	423.01	418.26	417.38
68+00.00	10'-11" Rt.	425.01	421.26	419.05
68+50.00	10'-11" Rt.	427.01	419.71	419.33
69+00.00	10'-11" Rt.	429.01	418.25	417.97
69+50.00	10'-11" Rt.	431.01	418.35	417.97
70+00.00	10'-11" Rt.	433.01	421.52	420.87
70+50.00	10'-11" Rt.	435.01	423.41	420.14
70+90.00	10'-11" Rt.	436.61	438.36	420.26

EL. A = Top of Exposed Panel
EL. B = Finished Grade Line at Front Face of Wall
EL. C = Existing Ground Line at Front Face of Wall

Stations and Offsets are measured from the Baseline of 55S70W to the Front Face of the MSE Wall Panels.

DESIGN SPECIFICATIONS

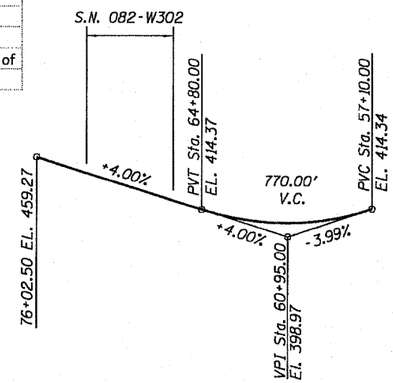
2002 AASHTO Load Factor Design

DESIGN STRESSES

f'c = 3,500 psi
f'c = 4,500 psi (Precast Panel)
fy = 60,000 psi (Reinforcement)

INDEX OF SHEETS

1. General Plan
2. General Data & Typical Sections
3. Parapet and Anchorage Slab
4. Details
5. - 13. Boring Logs



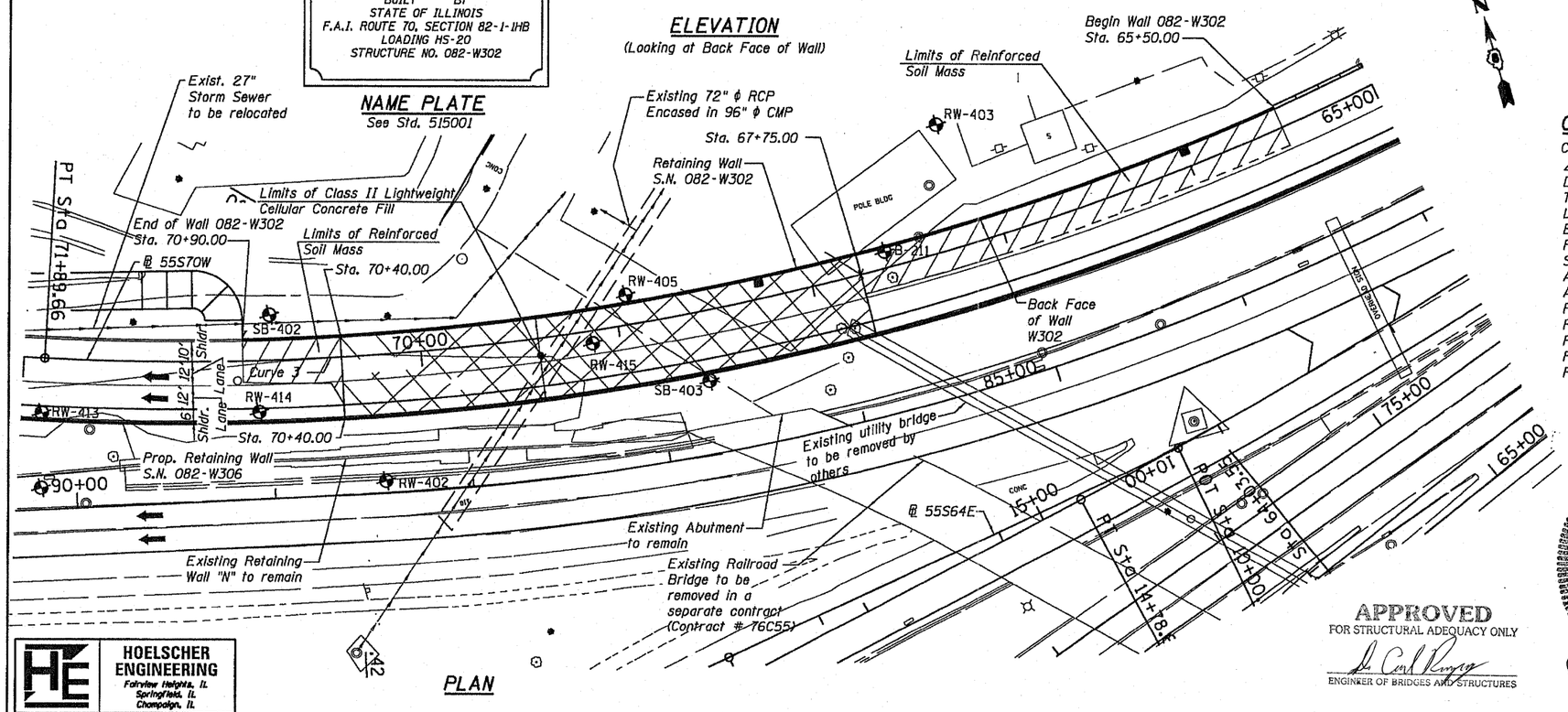
STATION 65+50.00
BUILT BY
STATE OF ILLINOIS
F.A.I. ROUTE 70, SECTION 82-1-1HB
LOADING HS-20
STRUCTURE NO. 082-W302

NAME PLATE

See Std. 515001

ELEVATION

(Looking at Back Face of Wall)

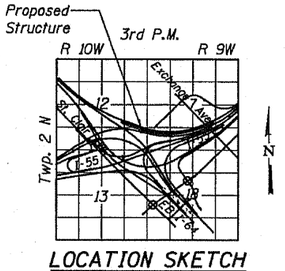


PLAN

CURVE DATA

Curve: 55S70W-3
Δ = 36°-19'-13.31" (RT)
D = 4°-16'-32.90"
T = 439.5379'
L = 849.4393'
E = 70.2459'
R = 1340.00'
S.E. = 5.3%
ATTAINMENT T.R. = 0
ATTAINMENT S.E. RUN = 47'
P.C. = Sta. 63+40.22
P.T. = Sta. 71+89.66
P.I. = Sta. 67+79.76
REMOVAL S.E. RUN = 65'
REMOVAL T.R. = 0

PROFILE GRADE 55S70W



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
ENGINEER OF BRIDGES AND STRUCTURES

18-March-2011
STATE OF ILLINOIS
CURTIS M. WATKINS
NUMBER 81-005494
LICENSED STRUCTURAL ENGINEER
Exp. Date 30-Nov-2012

GENERAL PLAN & ELEVATION
F.A.I. RTE. 70
(I-55/I-64 TRI-LEVEL)
SECTION 82-1-1HB
ST. CLAIR COUNTY
STA. 65+50.00 TO 70+90
STRUCTURE NO. 082-W302

HOELSCHER ENGINEERING
Fairview Heights, IL
Springfield, IL
Champaign, IL

FILE NAME = 082 W302 76C75 S01 final plan.dgn	USER NAME = $USER$	DESIGNED - CMW	REVISED CMW 12-20-10
		DRAWN - BTM	REVISED CMW 12-30-10
	PLOT SCALE = $SCALE$	CHECKED - JSA	REVISED CMW 02-28-11
	PLOT DATE = $DATE$	DATE - 12-09-10	REVISED CMW 03-18-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL 082-W302
GENERAL PLAN

SCALE: N.T.S. | SHEET NO. 1 OF 13 SHEETS | STA. 65+50.00 TO STA. 70+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-1-1HB	ST. CLAIR	319	272
		CONTRACT NO. 76C75		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		