CONTRACT NO. 70757	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	I-55	(57-4HB-3)BR	McLean	310	201
	FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

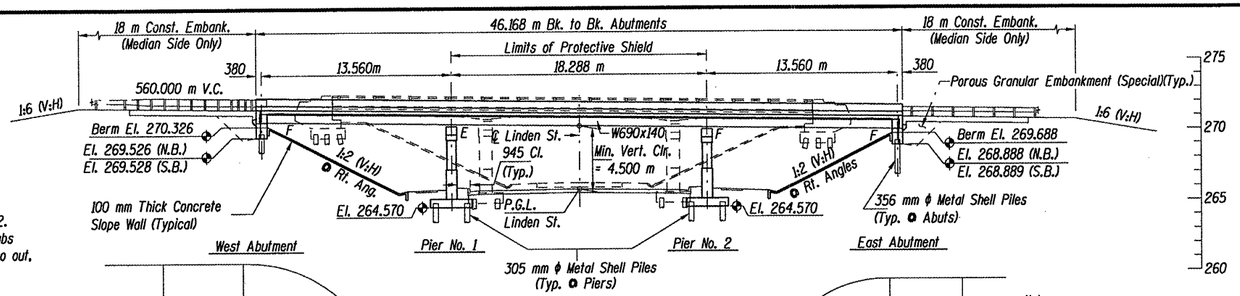
Sheet 1 of 31

Bench Marks:

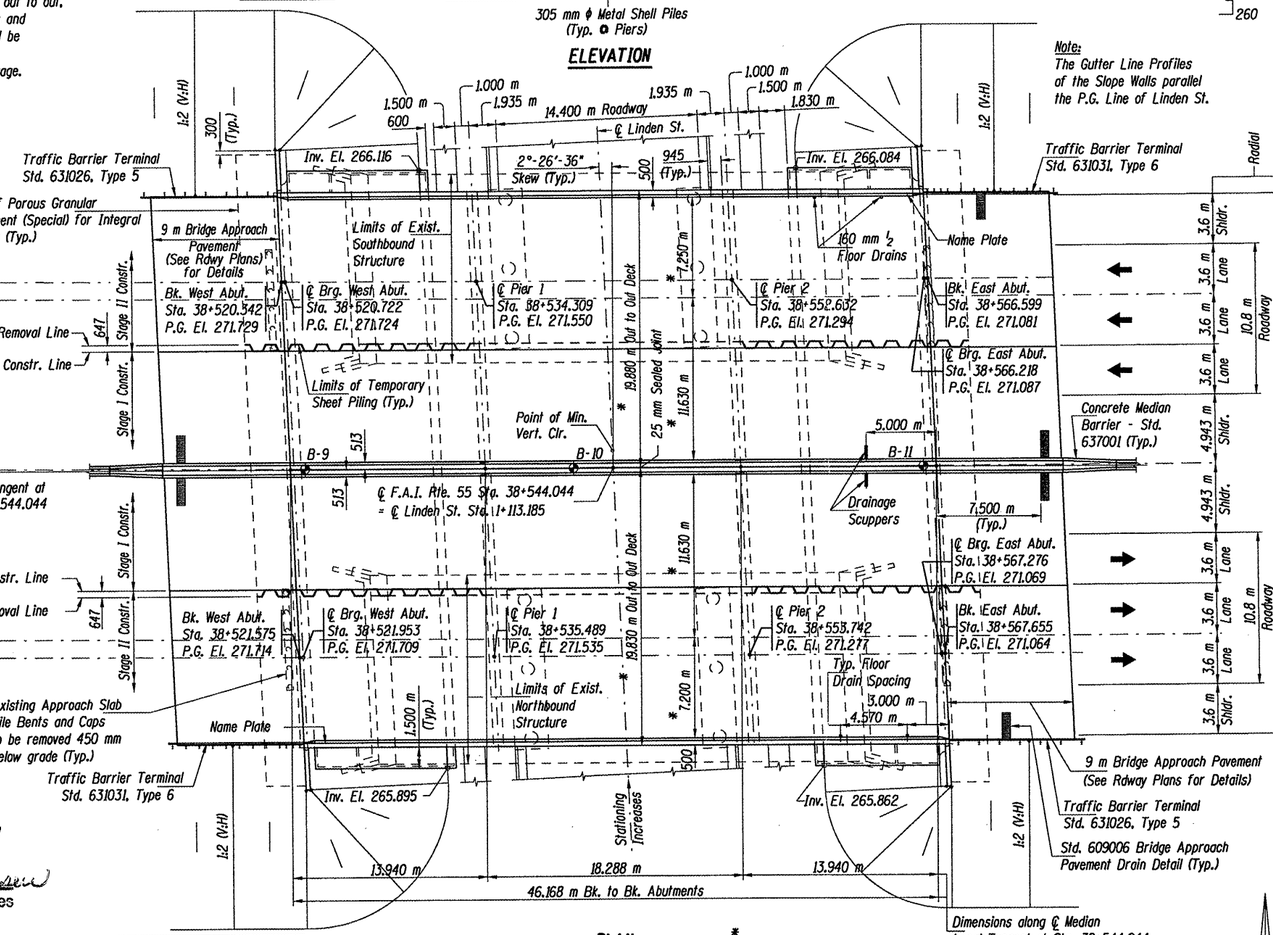
B.M. 58:
Brass Plate in median (at C) of F.A.I. 55
Sta. 38+480.252 El. 270.525

Note:
The existing B.M. will be removed during median construction. A new permanent B.M. will be established during construction.

Existing Structures:
No. 057-0028 (N.B.) & No. 057-0029 (S.B.)
Built as F.A.I. Rte. 55, Sec. 57-4HB-3 in 1962.
The Superstructures consist of 3 span R.C. slabs 35.26 m Bk. to Bk. abutments by 13.31 m out to out, supported by concrete pile bent abutments and multi-column concrete piers. Traffic shall be maintained during the replacement of both structures by stage construction. No Salvage.



ELEVATION

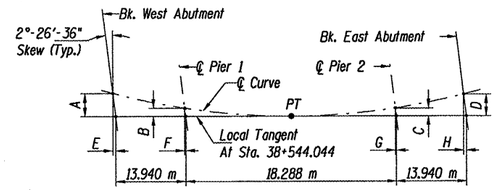


Note:
The Gutter Line Profiles of the Slope Walls parallel the P.G. Line of Linden St.

PLAN

* Dimensions at Rt. angles to Local Tangent at Sta. 38+544.044

** Radial Dimensions



OFFSET SKETCH

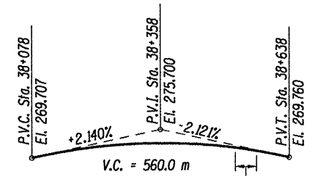
LOCAL TANGENT STATION	CURVE	A	B	C	D	E	F	G	H
38+544.044	P.G. S.B. Lane	40	7	5	36	2	0	0	2
38+544.044	Median	38	6	6	38	2	0	0	2
38+544.044	P.G. N.B. Lane	36	5	7	40	2	0	0	2

BORING INFORMATION

BORING NO.	LOCATION	STATION	OFFSET	EXIST. GRND. SURF. ELEV.
9	W. Abut.	38+522.0	at ℄	271.5
10	Pier 1	38+541.2	at ℄	266.3
11	E. Abut.	38+566.2	at ℄	270.8

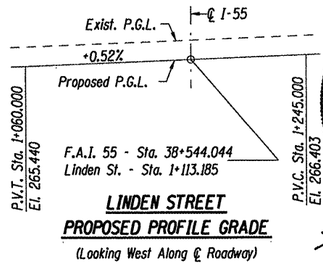
HORIZONTAL CURVE DATA

P.I. Sta. = 38+663.124
Δ = 3°-00'-45" (Lt.)
R = 6985.515 m
T = 183.684 m
L = 367.283 m
E = 2.415 m
S.E. = None
P.C. Sta. = 38+479.440
P.T. Sta. = 38+846.723



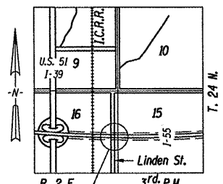
F.A.I. 55 - PROPOSED PROFILE GRADE

(Along P.G.L. N.B. or S.B. Roadway)



LINDEN STREET PROPOSED PROFILE GRADE

(Looking West Along ℄ Roadway)



LOCATION PLAN

GARY L. CLACK
081-005210
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
RIVERTON, ILLINOIS
8/17/09
exp. 11/30/10

Note: All dimensions are in millimeters (mm) except as noted.

APPROVED
For Structural Adequacy Only
Ralph E. Anderson
Engineer of Bridges & Structures

STATION 38+544.044 BUILT 20__ BY STATE OF ILLINOIS F.A.I. RT. 55 SEC. (57-4HB-3)BR F.A. PROJECT _____ LOADING MS18 & ALT. STR. NO. 057-0235 (Northbound)	STATION 38+544.044 BUILT 20__ BY STATE OF ILLINOIS F.A.I. RT. 55 SEC. (57-4HB-3)BR F.A. PROJECT _____ LOADING MS18 & ALT. STR. NO. 057-0236 (Southbound)

LETTERING FOR NAME PLATES

(See Plan for locations, See Std. 515001)

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf. Bars)
fy = 345 MPa (Structural Steel) (M270M, Grade 345)
fy = 250 MPa (Structural Steel) (M270M, Grade 250)

DESIGN SPECIFICATIONS

1996 AASHTO Specifications

LOADING MS18 & ALT.

Allow 1.2 kN/m^2 Future Wearing Surface

SEISMIC DATA

S.P.C. = A
A = 0.044 g
S = 1.0

GENERAL PLAN & ELEVATION
F.A.I. 55 OVER LINDEN STREET
SECTION (57-4HB-3)BR
STRUCTURE NO. 057-0235 (N.B.) & 057-0236 (S.B.)
McLEAN COUNTY
STATION 38+544.044

HANSON

JOB NO. 94S2063
DATE 03/26/04

LAYOUT	G.L.C.	11/5/97	
DRAWN	D.A.M.	1/15/97	
REVIEWED	E.	E.	

$TIME$ 8/16/2009 $FILE$