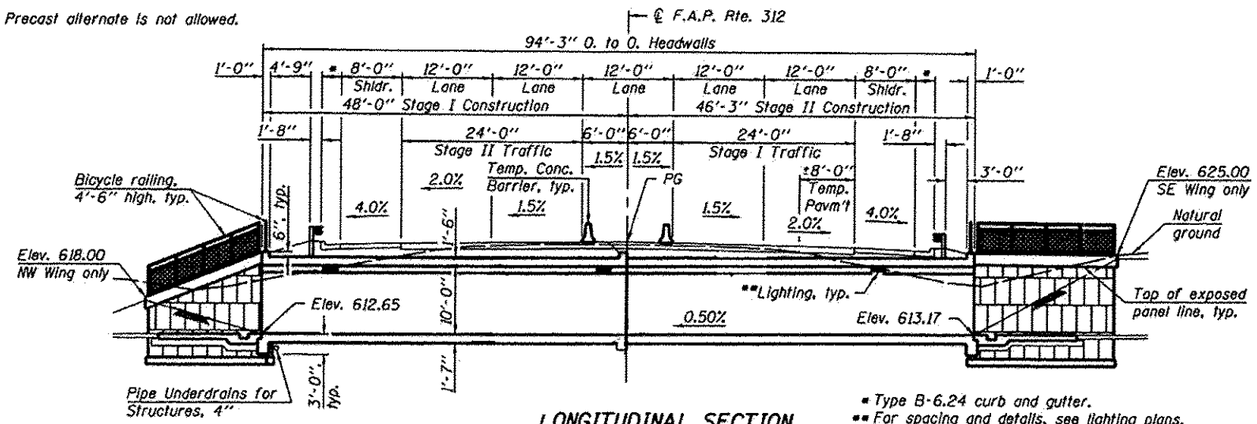
Bench Mark: Chiseled "□" on the Southwest corner of a concrete box culvert running under IL 3 on the West side of IL 3 and North of South Library Street. Elev. 620.09.

Existing Structure: None. The proposed structure will be constructed utilizing staged construction.

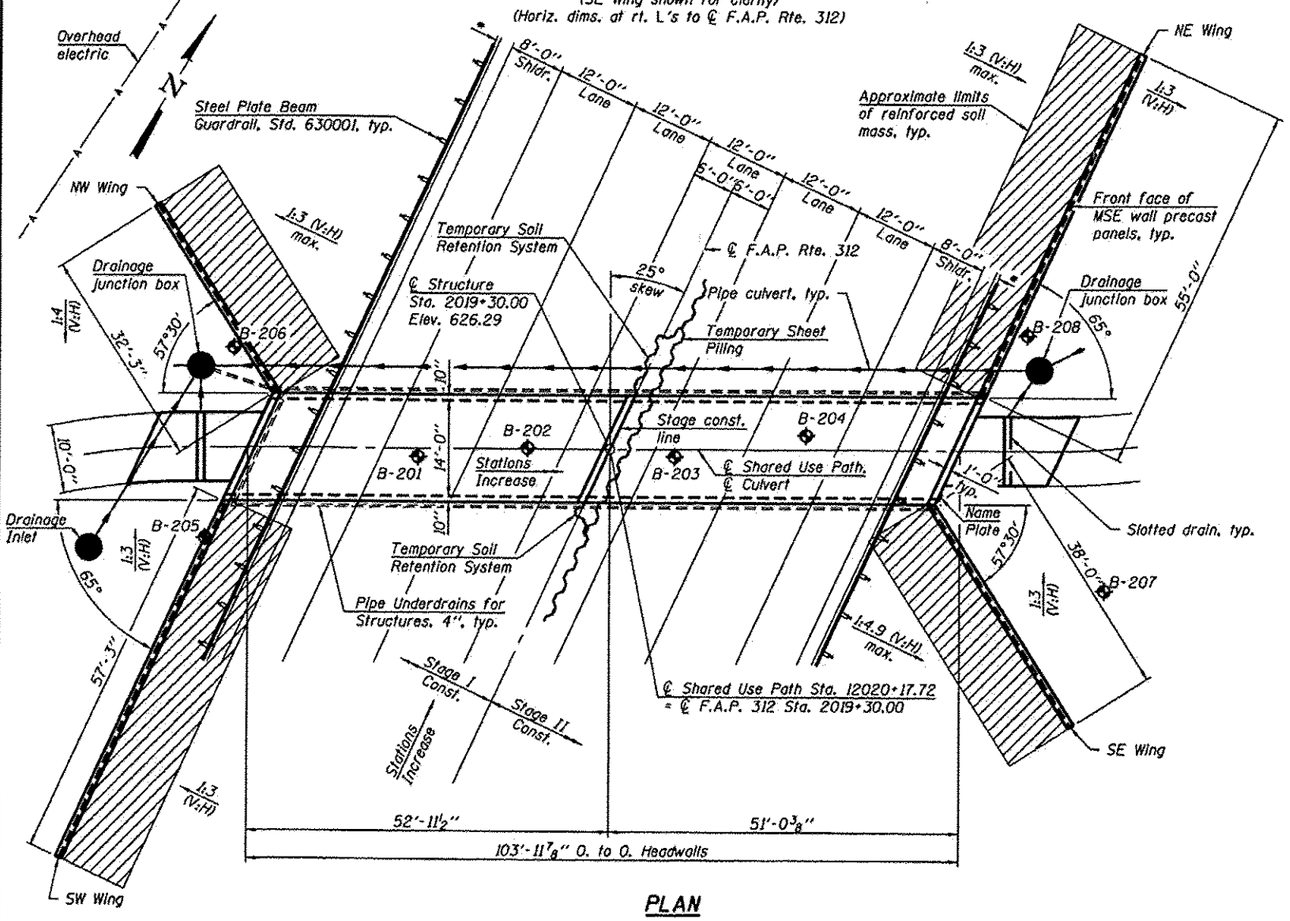
Precast alternate is not allowed.



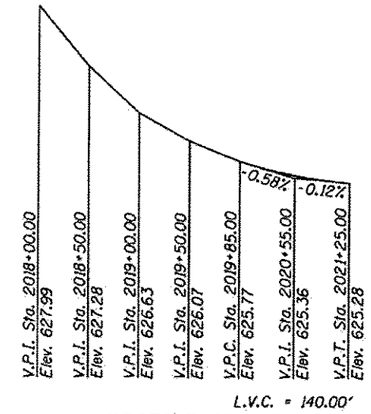
* Type B-6.24 curb and gutter.
** For spacing and details, see lighting plans.

LONGITUDINAL SECTION

(SE Wing shown for clarity)
(Horiz. dims. at rt. L's to ℄ F.A.P. Rte. 312)

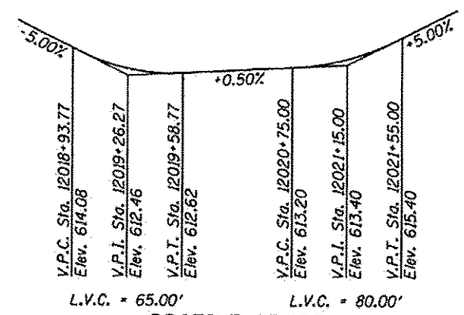


PLAN



PROFILE GRADE

(Along PG on F.A.P. Rte. 312)



PROFILE GRADE

(Along PG on Shared Use Path)

SHARED USE PATH CURVE 3 DATA

P.I. Sta. = 12019+13.70
Δ = 52° 51' 12" (Rt.)
D = 57° 17' 45"
R = 100.00'
T = 49.70'
L = 92.25'
E = 11.67'
P.C. Sta. = 12018+64.00
P.T. Sta. = 12019+56.25
S.E. = 2.00%

SHARED USE PATH CURVE 4 DATA

P.I. Sta. = 12021+77.74
Δ = 87° 29' 21" (Lt.)
D = 57° 17' 45"
R = 100.00'
T = 95.71'
L = 152.70'
E = 38.42'
P.C. Sta. = 12020+82.03
P.T. Sta. = 12022+34.73
S.E. = 2.00%

INDEX OF SHEETS

1. General Plan
2. General Data
3. Temporary Sheet Pile and Temp. Soil Retention System
4. Stage Construction Details
5. Temporary Concrete Barrier
6. Culvert Plan
7-8. Culvert Elevation and Details
9-10. MSE Wingwall Details
11. Bicycle Railing Details
12. West Approach Slab Details
13. East Approach Slab Details
14. Bar Splicer Details
15-20. Boring Logs

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES

FIELD UNITS

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

PRECAST UNITS

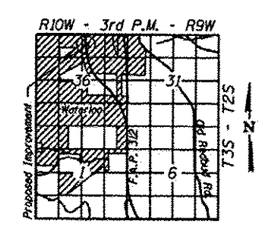
f'c = 4,500 psi (Precast panels)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.26g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.60g
Soil Site Class = D

STATE OF ILLINOIS
ERIC M. LAGEMANN
LICENSE NO. 081-006124
PROFESSIONAL STRUCTURAL ENGINEER

Eric Lagemann 1/24/13
Expires 11/30/2014 Date



LOCATION SKETCH

GENERAL PLAN
IL 3 OVER SHARED USE PATH
F.A.P. RTE. 312 - SECTION 68-WRS-1
MONROE COUNTY
STATION 2019+30.00
STRUCTURE NO. 067-2427

FILE NAME = h:\1081100_Phase II - 76817\	DESIGNED - E.M. Lagemann	REVISED	
USER NAME = elagemann	CHECKED - K.L. Hayes	REVISED	
PLOT SCALE =	DRAWN - E.M. Lagemann	REVISED	
PLOT DATE = 1/23/2013	CHECKED - K.L. Hayes	REVISED	

HORNER & SHIFRIN, INC ENGINEERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	68-WRS-1	MONROE	760	414

CONTRACT NO. 76817
ILLINOIS FED. AID PROJECT