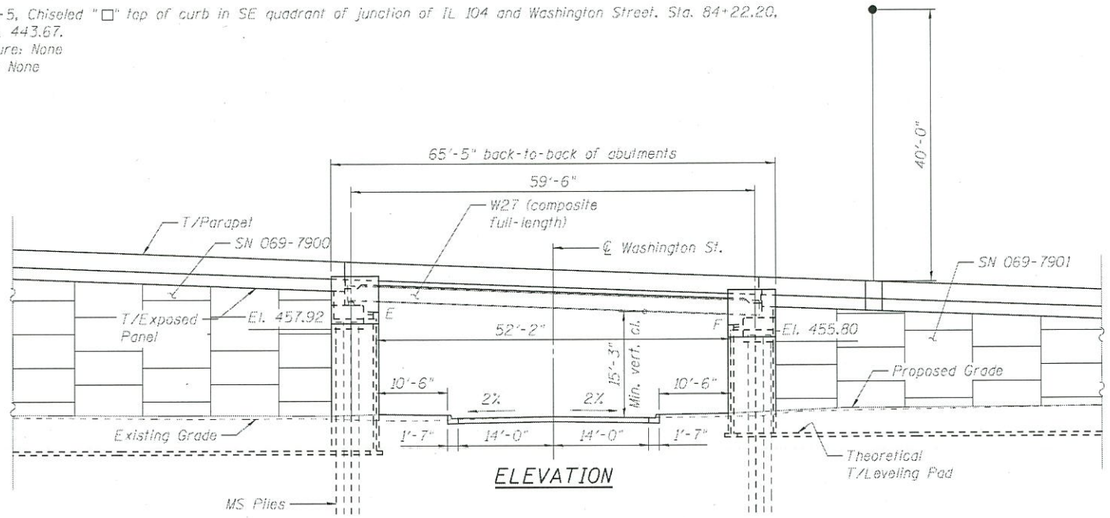
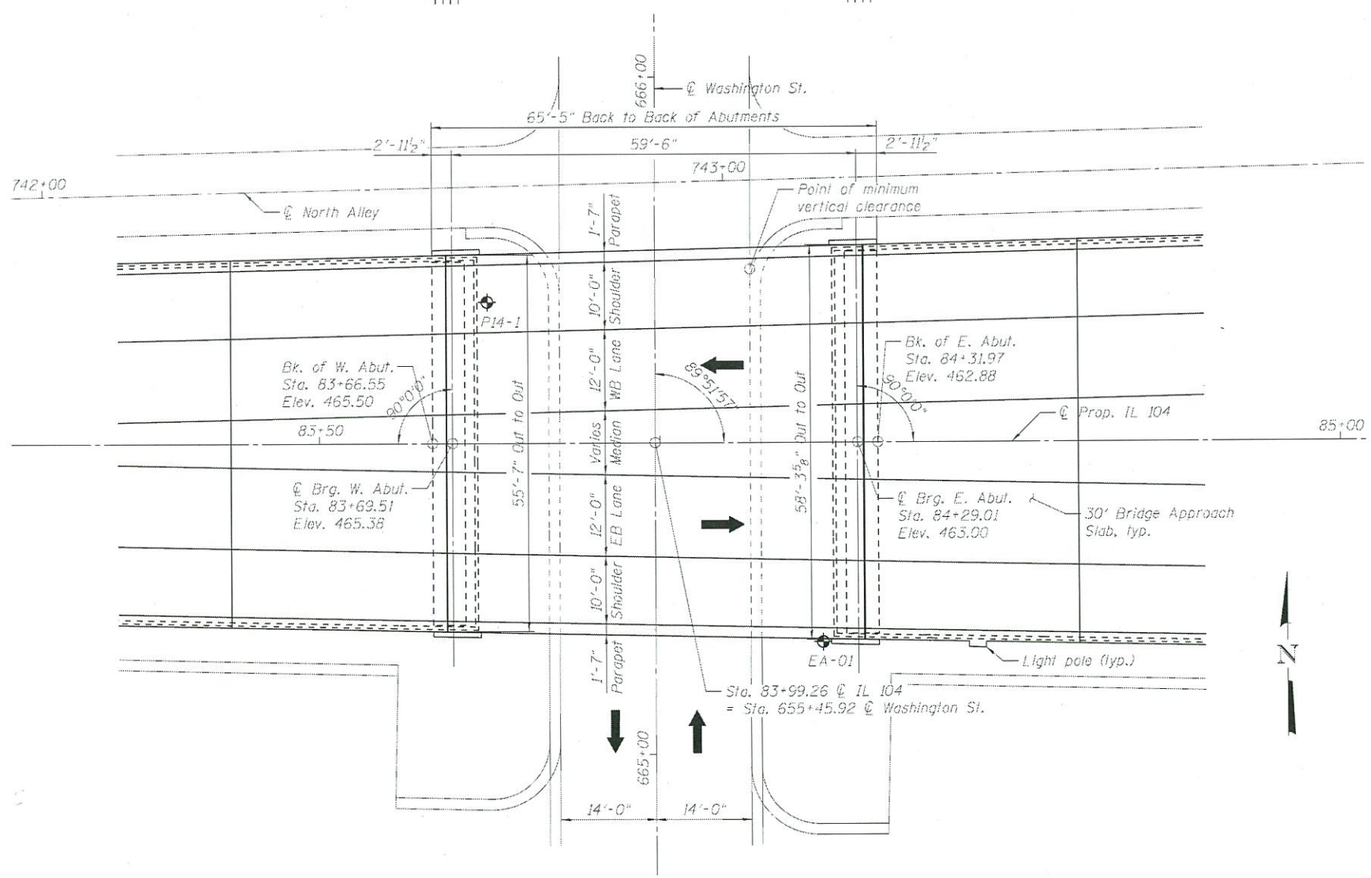
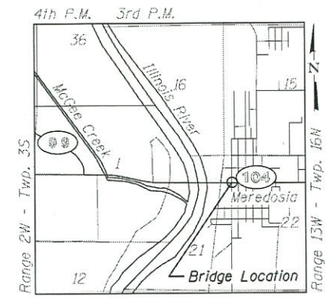
Benchmark: WW-5, Chiseled "□" top of curb in SE quadrant of junction of IL 104 and Washington Street. Sta. 84+22.20, 306.90' Rt., El. 443.67.
Existing Structure: None
Traffic Control: None
Salvage: None



ELEVATION



PLAN



LOCATION SKETCH

HIGHWAY CLASSIFICATION

F.A.P. Rte. 745 - IL Rte. 104
Functional Class: Rural Minor Arterial
ADT: 2,760 (2012); 3,650 (2040)
ADTT: 800 (2012); 1,059 (2040)
DHV: 347
Design Speed: 45 m.p.h.
Posted Speed: 40 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

HIGHWAY CLASSIFICATION

Washington Street
Functional Class: Local Road
ADT: 514 (2012); 590 (2040)
ADTT: 0 (2012); 0 (2040)
DHV: 43
Design Speed: 25 m.p.h.
Posted Speed: 25 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

LOADING HL-93

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

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition with 2013 Interim Revisions

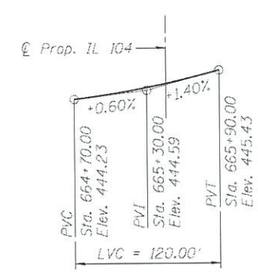
DESIGN STRESSES

FIELD UNITS

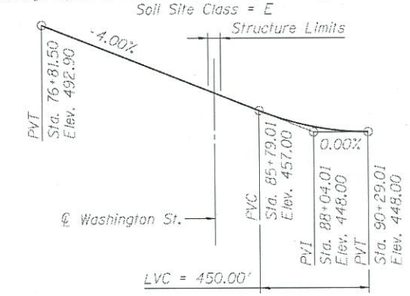
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.196
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.353
Soil Site Class = E



PROFILE GRADE WASHINGTON ST.
(along ℄ Roadway)

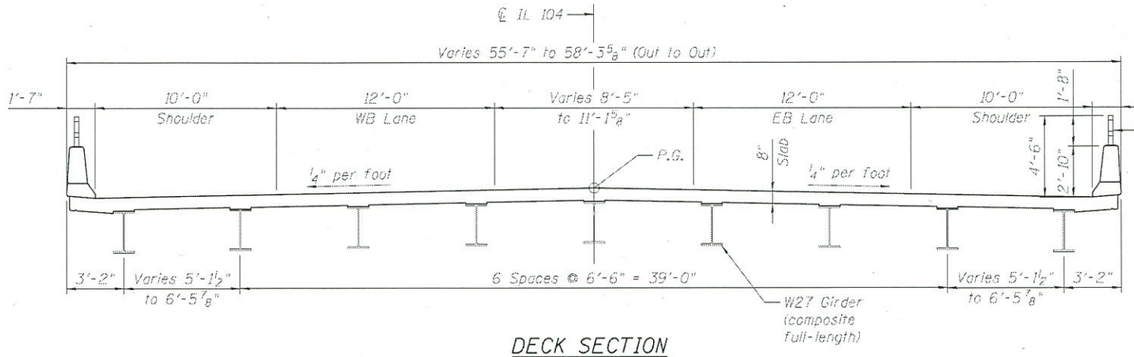


PROFILE GRADE PROP. IL 104
(along ℄ Roadway)

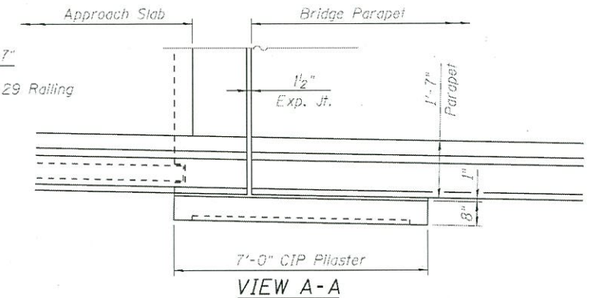
APPROVED
DEC 12 2013
AS A BASIS FOR PREPARATION OF DETAILED PLANS

ILLINOIS ROUTE 104 OVER
WASHINGTON STREET
F.A.P. RTE. 745 - SEC. 123-B2
MORGAN COUNTY
STATION 83+99.26
STRUCTURE NO. 069-0522

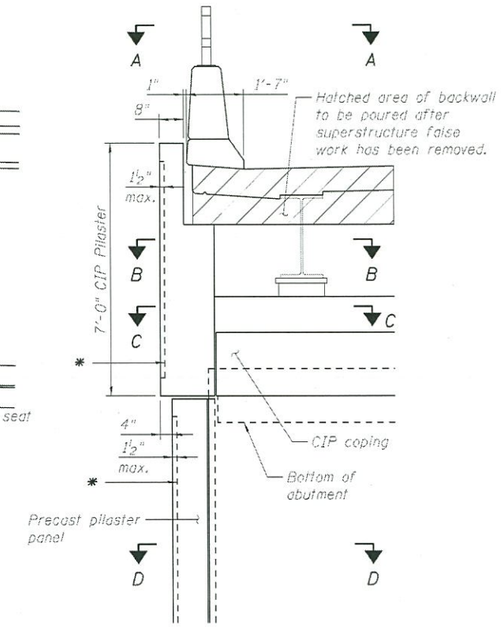
FILE NAME =	USER NAME =	DESIGNED - JLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
exp U.S. Services Inc. Chicago, IL BUILDINGS • EARTH & ENVIRONMENT • ENERGY INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY	DATE - 9/18/2013	CHECKED - VCR	REVISED -			745	123 B-2	MORGAN	
	PLOT SCALE =	DRAWN - EDL	REVISED -					CONTRACT NO. 72858	
	PLOT DATE =	CHECKED - CDE	REVISED -		SHEET NO. 1 OF 2 SHEETS		ILLINOIS FED. AID PROJECT		



DECK SECTION

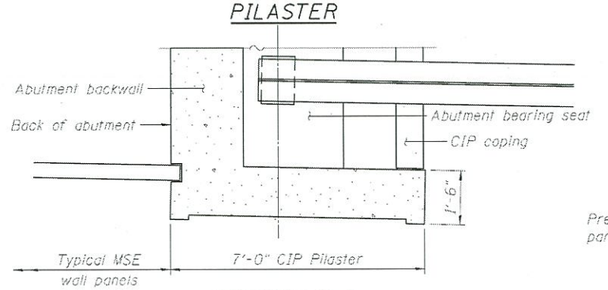


VIEW A-A
TOP VIEW OF PARAPET AND PILASTER

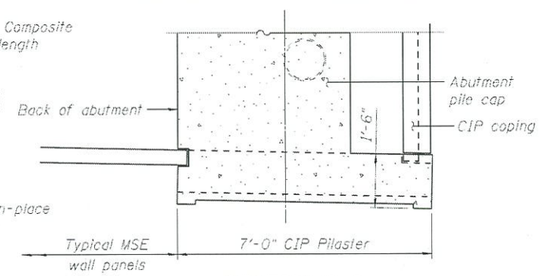


VIEW OF ABUTMENT BACKWALL

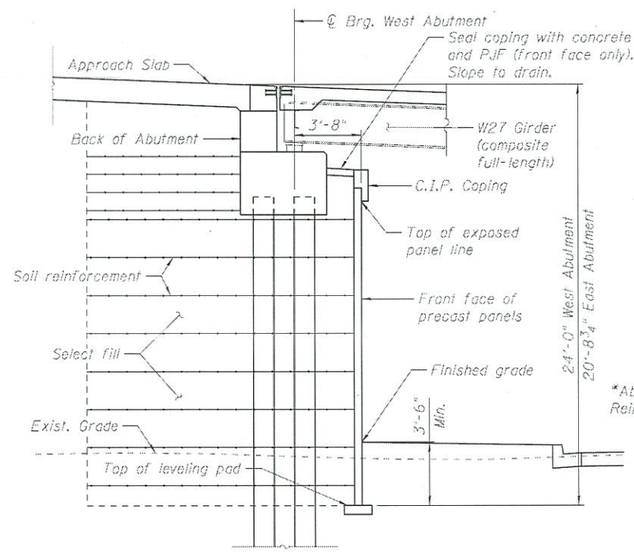
* Architectural pattern to be detailed in final plans.



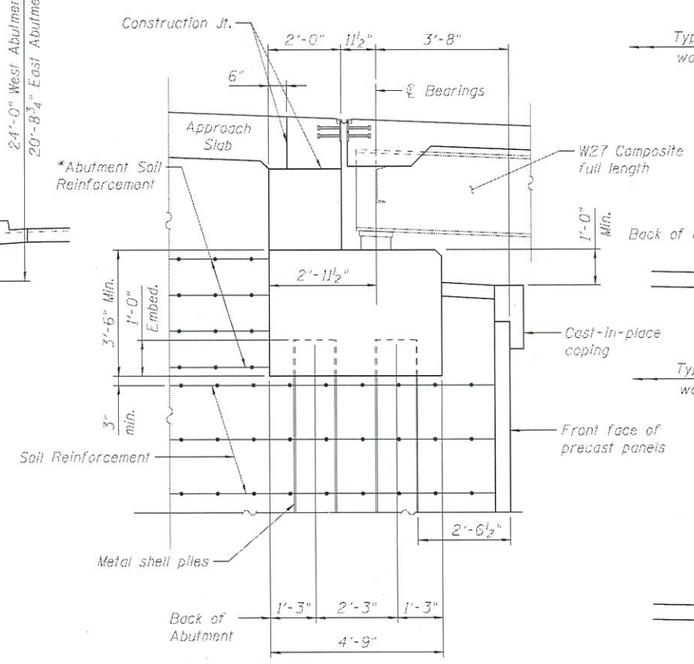
SECTION B-B
THRU ABUTMENT BACKWALL



SECTION C-C
THRU ABUTMENT PILE CAP

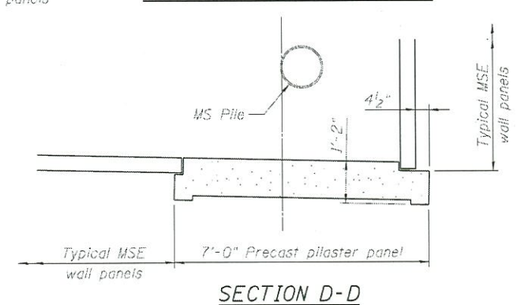


SECTION THRU WEST ABUTMENT
SHOWING MSE WALL
(East abutment similar)

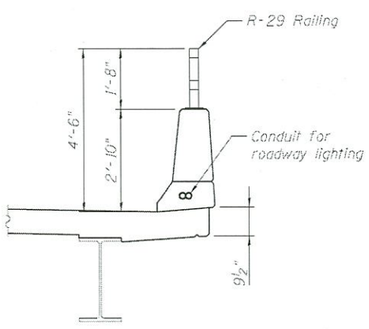


SECTION THRU PILE SUPPORTED
STUB ABUTMENT

*The M.S.E. wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 1.0 kips/ft. of abutment.



SECTION D-D
THRU MSE WALL PILASTER PANEL



PARAPET SECTION

APPROVED
DEC 12 2013
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

SECTIONS AND DETAILS
ILLINOIS ROUTE 104 OVER
WASHINGTON STREET
F.A.P. RTE. 745 - SEC. 123-B2
MORGAN COUNTY
STATION 83+99.26
STRUCTURE NO. 069-0522

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exp U.S. Services Inc. Chicago, IL BUILDINGS·EARTH & ENVIRONMENT·ENERGY INDUSTRIAL·INFRASTRUCTURE·SUSTAINABILITY	DATE - 9/18/2013	CHECKED - WCB	REVISED -			745	123 B-2	MORGAN	
	PLOT SCALE =	DRAWN - ED	REVISED -					CONTRACT NO. I2B58	
	PLOT DATE =	CHECKED - CCE	REVISED -		SHEET NO. 2 OF 2 SHEETS			ILLINOIS FED. AID PROJECT	