APPROVED

JUN 23 2003

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 310	*	JERSEY		
PRELIMINARY SUBMITTAL		ILLINOIS PROJECT		

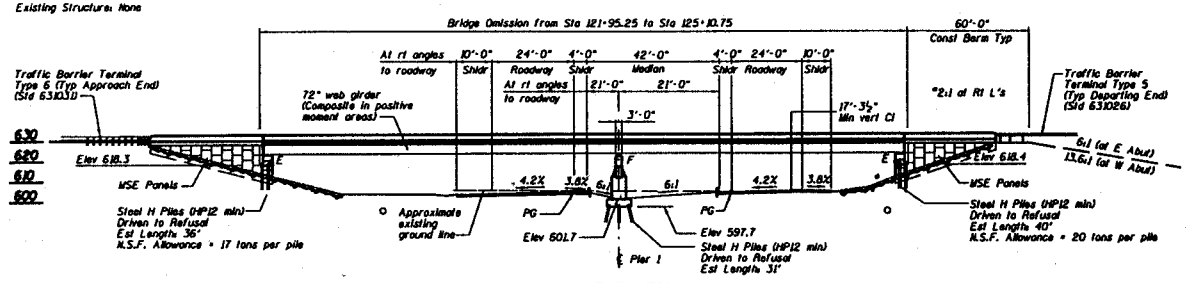
*42-3-IHB

Bench Mark 128:
Chiseled "D" on NE corner of concrete headwall of 2'x5' box culvert. East side of Il 267. 910'-0" Lt Sta 752+06.94
Elev 601.27

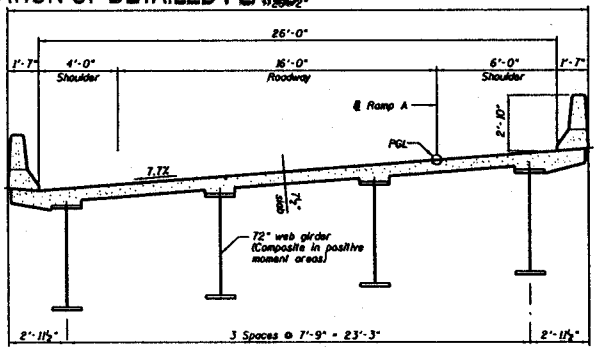
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

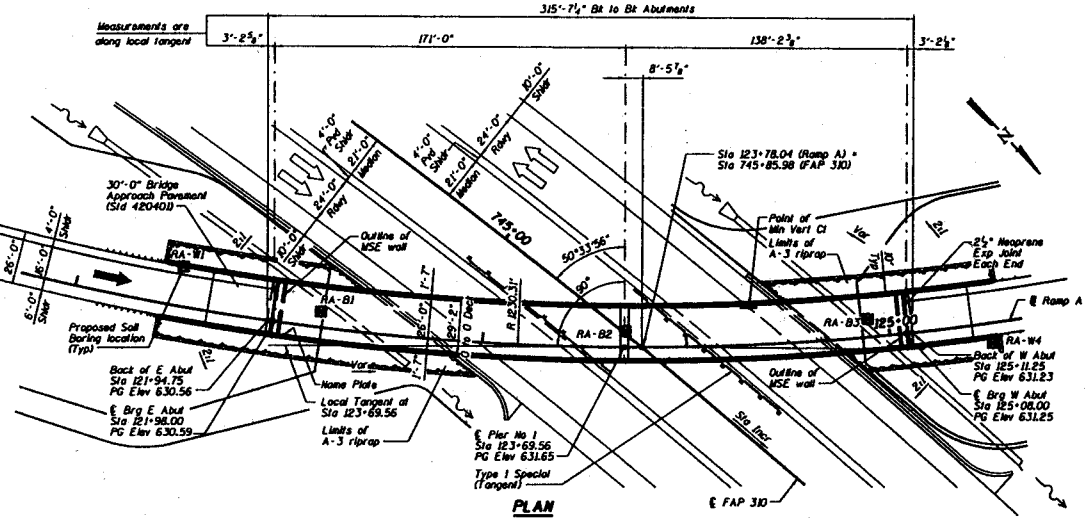
AS A BASIS FOR PREPARATION OF DETAILED PLANS.



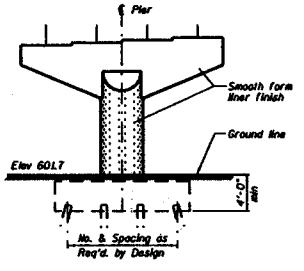
ELEVATION



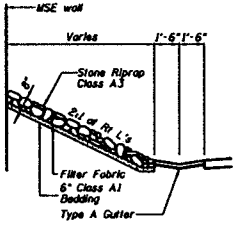
CROSS SECTION THRU DECK



PLAN



PIER SKETCH



SECTION THRU SLOPEWALL

HIGHWAY CLASSIFICATION

Ramp A over FAP 310 (US Rte 67)
Functional Class: Regional Arterial Highway
DHV: 900 (2021)
ADT: 9700 (2021)
Design Speed: 55 MPH

FAP 310 (US Rte 67)
Functional Class: Regional Arterial Highway
DHV: 1300 (2021)
ADT: 20,000 (2021)
Design Speed: 70 MPH

LOADING HS-20

Allow 50 psf For Future Wearing Surface

DESIGN SPECIFICATIONS

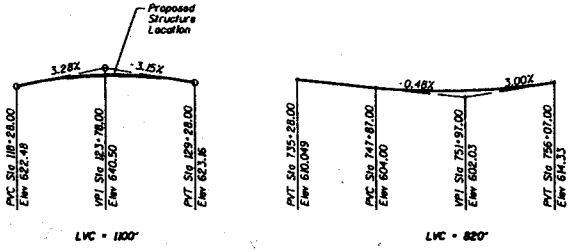
2002 AASHTO

DESIGN STRESSES

FIELD UNITS
f'c = 3500 psi
fy = 60000 psi (reinforcement)
fy = 50000 psi (M270 Grade 50)

SEISMIC DATA

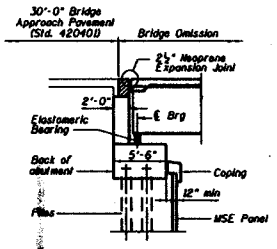
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.066g
Site Coefficient (S) = 1.0



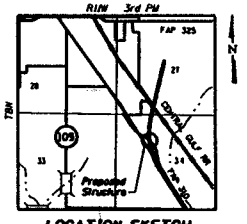
PROFILE GRADE - RAMP A **PROFILE GRADE - FAP 310**

RAMP A CURVE DATA
Δ = 49°01'44"
D = 4°39'25"
R = 1230.31'
T = 561.06'
L = 1052.80'
E = 121.89'
S.E. = 7.7%
P.C. STA = 116+04.67
P.I. STA = 121+65.73
P.T. STA = 126+57.47
S.E. ATTAINED STA 113+90 TO 116+71
S.E. REMOVED STA 125+91 TO 128+72

FAP 310 (US RTE 67) CURVE DATA
Δ = 45°07'47"
D = 1°27'15"
R = 3940.00'
T = 1637.23'
L = 3103.38'
E = 326.63'
S.E. = 4.2%
P.C. STA = 728+39.07
P.I. STA = 744+76.30
P.T. STA = 759+42.45
S.E. ATTAINED STA 726+95.69 TO 729+09.69
S.E. REMOVED STA 758+71.83 TO 760+85.83



SECTION THRU ABUTMENTS
(Dimensions at right angles)



LOCATION SKETCH

RAMP A OVER US RTE 67

GENERAL PLAN AND ELEVATION

REVISIONS		
No.	DATE	REMARKS
1		
2		
3		
4		
5		
6		
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10		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

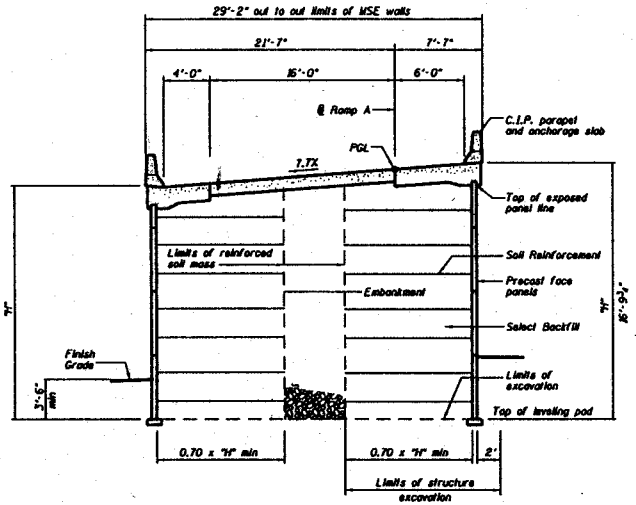
FAP 310 (US RTE 67) SEC 42-3-IHB
SN 042-0028
STA 123+78.04 JERSEY COUNTY

DRAWN BY	R King	DATE 5/03
DESIGNED BY	CWC	DATE 5/03
CHECKED BY	SDS	DATE 5/03
PROJECT NO.	4528	

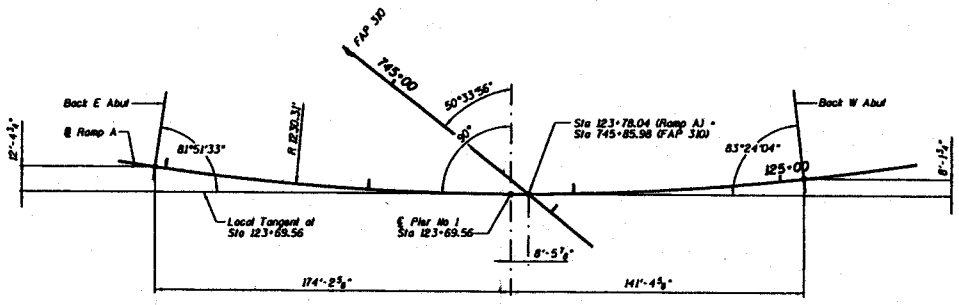
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 310	*	JERSEY		
FEDERAL PROJ. NO.		SLNHS	FEDERAL	

*42-3-IMB

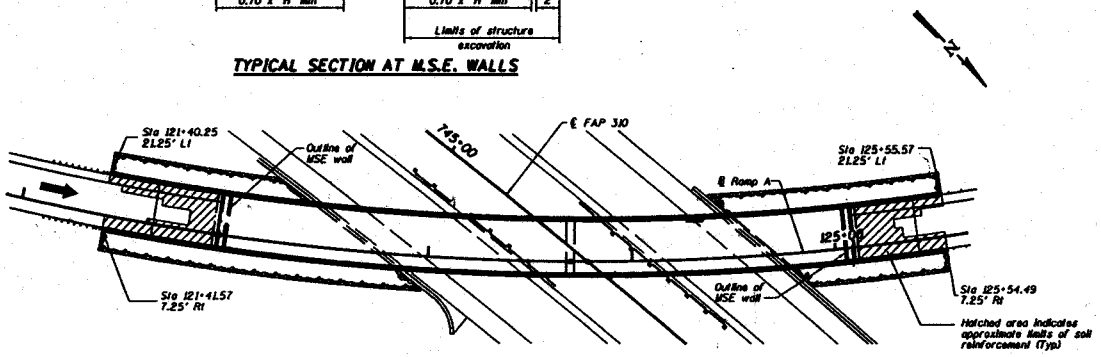
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TYPICAL SECTION AT M.S.E. WALLS

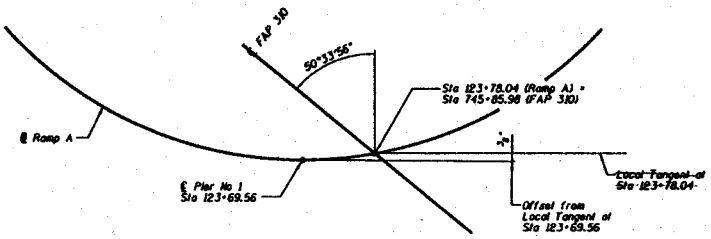


BRIDGE OFFSET SKETCH



PLAN - MSE WALL LIMITS

Stations and offsets are to outside face of MSE wall



ROADWAY OFFSET SKETCH

APPROVED

JUN 23 2003

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

RAMP A OVER US RTE 67

GENERAL PLAN AND ELEVATION

REVISIONS		
No.	DATE	APPROVAL
1		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

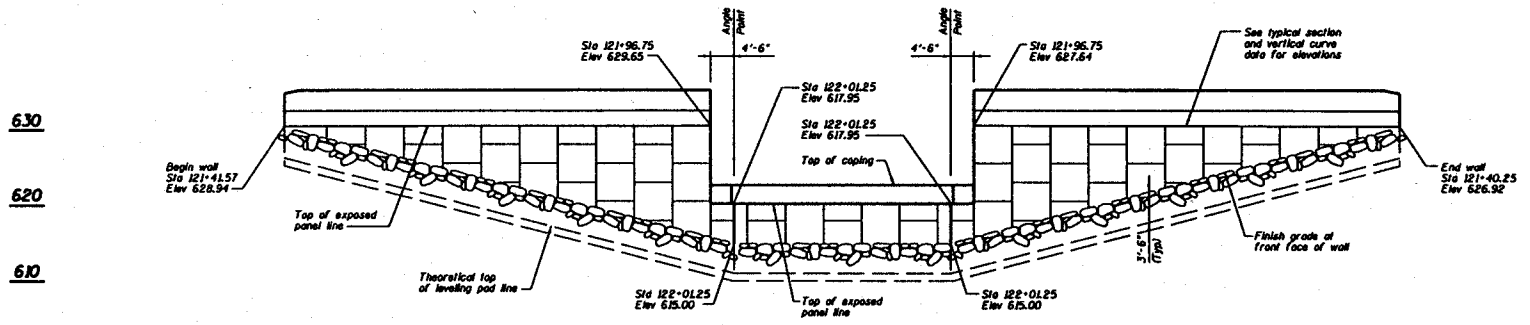
FAP 310 (US RTE 67) SEC 42-3-IMB
SN 042-0028
STA 123+78.04 JERSEY COUNTY

DESIGNED BY R King	DATE 5/03
CHECKED BY CMC	DATE 5/03
DRAWN BY SDS	DATE 5/03
REVIEW NUMBER	
PROJECT NO. 4528	
SHEET NO.	

FAP 310	*	JERSEY		

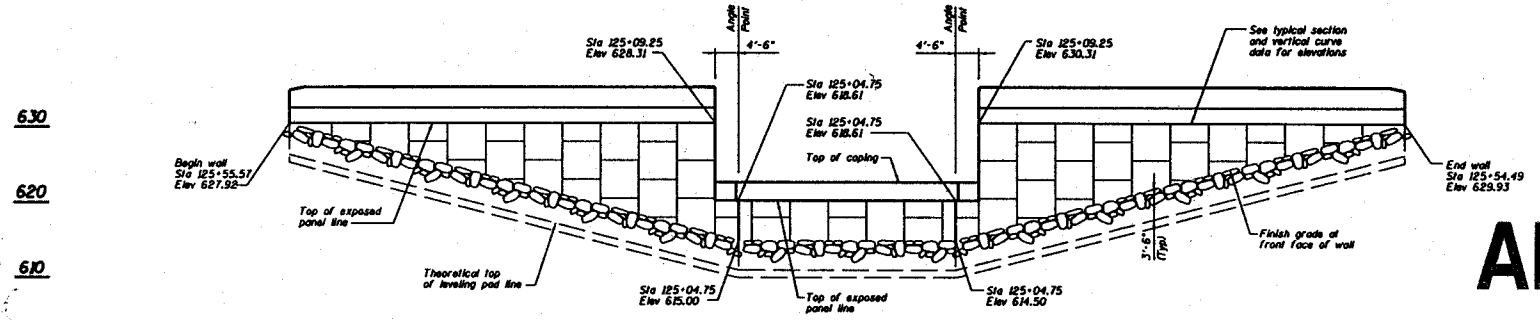
*42-3-1HB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EAST ABUTMENT WALL
(Unfolded Elevation View)

Note:
Stations and elevations shown may be refined in final design.



WEST ABUTMENT WALL
(Unfolded Elevation View)

APPROVED

JUN 23 2003

AS A BASIS FOR
PREPARATION OF DETAILED PLANS

RAMP A OVER US RTE 67

UNFOLDED ELEVATION M.S.E. RETAINING WALL

REVISIONS			STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	DRAWN BY R King DATE 5/03
				CHECKED BY CWC DATE 5/03
			FAP 310 (US RTE 67) SEC 42-3-1HB	DESIGN BY SDS DATE 5/03
			SN 042-0028	
			STA 123+78.04 JERSEY COUNTY	PROJECT No. 4528

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