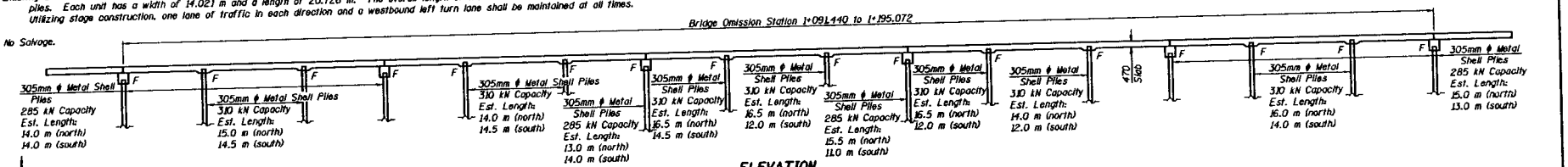
ROUTE NO.	SECTION	COUNTY	PROJ.	SHEET
F.A.P. 866	4N-1	LAKE		
PROJ. RANGE SECT. NO. 1		ILLINOIS	PROJ. NO. PROJECT	

SHEET NO. 1 of 2

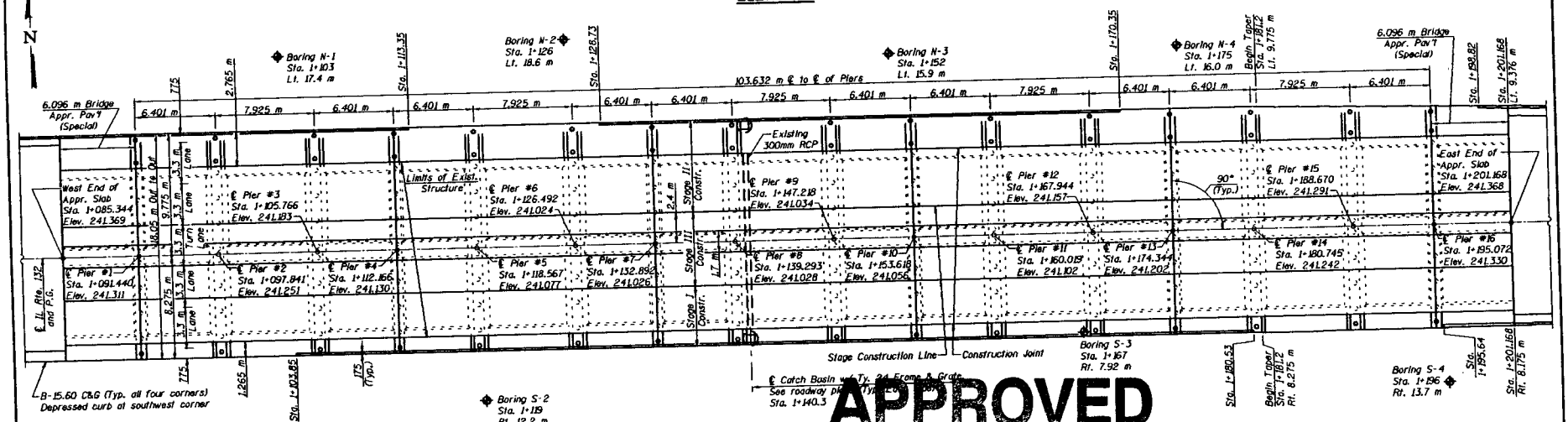
Bench Mark: Chiseled square on southwest corner of vent cover, south side of lift station ±50 m east of Rt. 83, on north side of IL 132. Elev. 241.273

Existing Structure: A 15-span reinforced concrete slab structure consisting of continuous three-span units supported on concrete piles. Each unit has a width of 14.021 m and a length of 20.726 m. The overall length of the structure is 103.632 m. Utilizing stage construction, one lane of traffic in each direction and a westbound left turn lane shall be maintained at all times.

No Salvage.



ELEVATION



PLAN

APPROVED

OCT 22 2004

AS A BASIS FOR PREPARATION OF DETAILED PLANS

LOADING MS18

Allow 1.2 kN/m² for future wearing surface.

DESIGN SPECIFICATIONS

AASHTO 17th Ed. - 2002

DESIGN STRESSES

FIELD UNITS - NEW CONST.

f'_c = 24 MPa

f_y = 400 MPa (reinforcement)

HIGHWAY CLASSIFICATION

FAP Rte. 866 - IL. Rte. 132

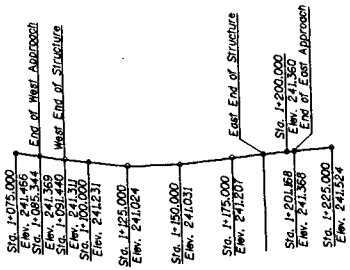
Functional Class: Other Principal Arterial

ADT: 18,000 (1999); 24,700 (2030)

DHV: 1800 (1999)

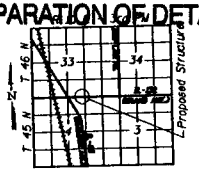
Design Speed: 60 km/h

Posted Speed: 60 km/h



PROFILE GRADE

(Located at top of proposed concrete overlay)



LOCATION SKETCH

NOTE

Piles shall be 305 mm ϕ Metal Shell Piles with 6.35 mm walls, reinforced to a depth of 7.5 m.

All dimensions are in millimeters (mm) unless noted otherwise.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

IL RTE. 132 LAND BRIDGE

FAP RTE 866 - SEC 4N-1

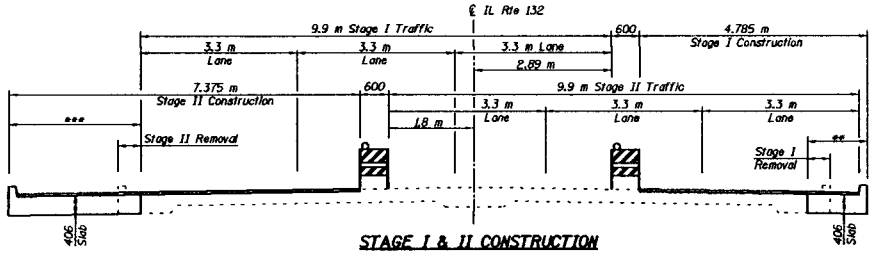
LAKE COUNTY

STA. 1+143.3

SN 049-0002 DRAWN BY WJV

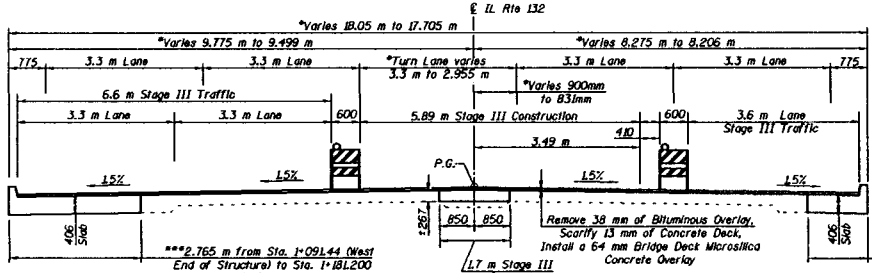
DATE 10/14/2004 CHECKED BY BLB

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 866	4N-1	LAKE		2 of 2



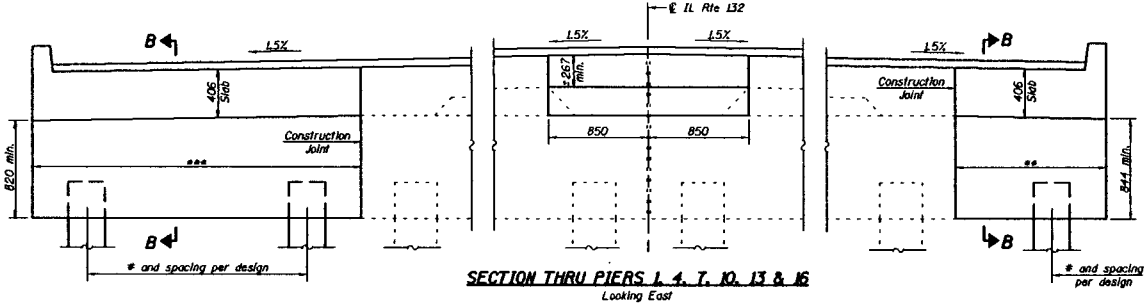
STAGE I & II CONSTRUCTION

(Looking East)



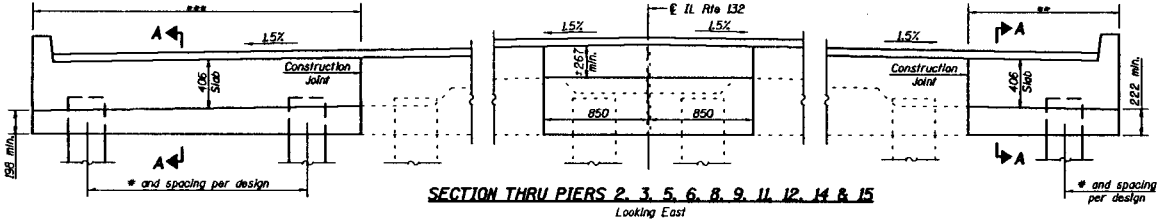
STAGE III CONSTRUCTION

(Looking East)



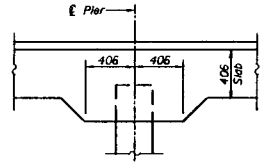
SECTION THRU PIERS 1, 4, 7, 10, 13 & 16

Looking East

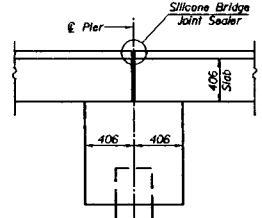


SECTION THRU PIERS 2, 3, 5, 6, 8, 9, 11, 12, 14 & 15

Looking East



SECTION A-A



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OCT 22 2004

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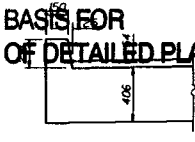

CURB DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
IL RTE. 132 LAND BRIDGE
FAP RTE 866 - SEC 4N-1
LAKE COUNTY
STA. 1+143.3

SN 049-D002 DRAWN BY WJV

DATE 10/14/2004 CHECKED BY BLB