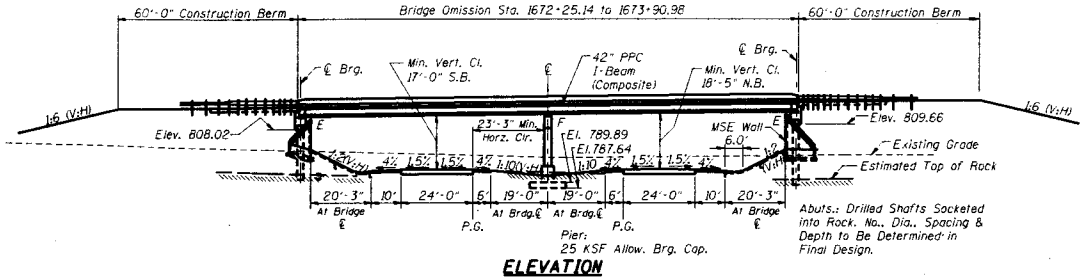
Bench Mark: Cut "D" located on the South corner of Concrete Island at the southwest corner of Latham Rd. & IL Rte 2 Elev 801.22.

No Stage Construction: Road will be closed to traffic during construction.

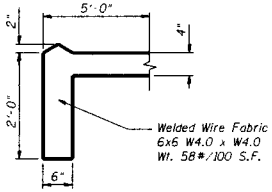
Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

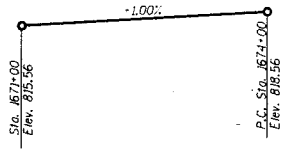
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 734	77-2	WINNEBAGO		1
F.A.I. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		2 SHEETS



ELEVATION

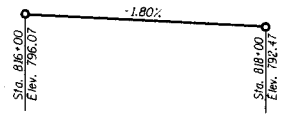


SECTION A-A



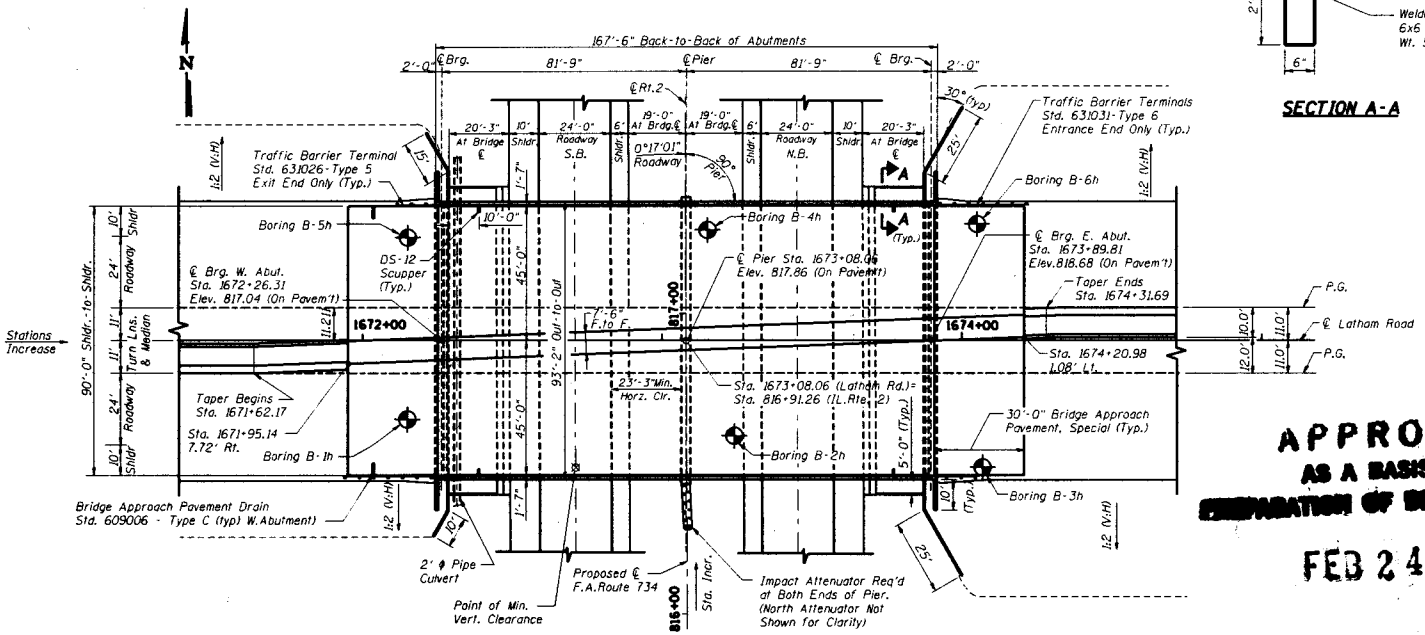
PROFILE GRADE LATHAM ROAD

Along Median Edge of Pavement



PROFILE GRADE IL ROUTE 2

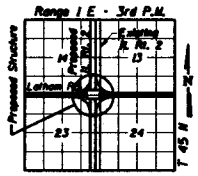
Along Profile Grade Line



PLAN

APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

FEB 24 2005



LOCATION SKETCH

DESIGNED	AWH
CHECKED	JAN
DRAWN	AWH
CHECKED	JAN

HIGHWAY CLASSIFICATION

Latham Road	F.A. Route 734
Class: Minor Arterial	Class: Expressway
ADT: 10,000 (2005), 13,600 (2025)	ADT: 14,500 (2005), 19,150 (2025)
DHV: 1,360 (2025)	DHV: 1,915 (2025)
Design Speed: 60 m.p.h.	Design Speed: 70 m.p.h.
Posted Speed: 55 m.p.h.	Posted Speed: 55 m.p.h.

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO Standard Spec. (17th Edition)

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'_c = 6000 psi
f'_c = 5000 psi
f_y = 60,000 psi (reinforcement)
f_{si} = 201,960 psi (½"ϕ low relaxation strands)

SEISMIC DATA

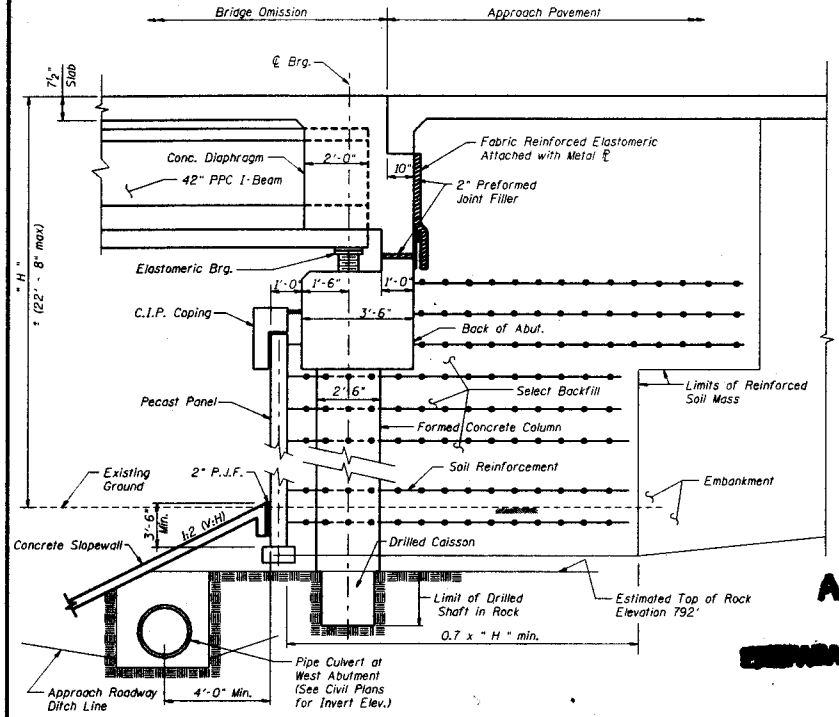
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 3.5%
Site Coefficient (S) = 1.0

GENERAL PLAN
LATHAM RD. OVER IL. ROUTE 2
F.A. ROUTE 734 SECTION 77-2
WINNEBAGO COUNTY
STATION 1673+08.06
STRUCTURE NUMBER 101-0179

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

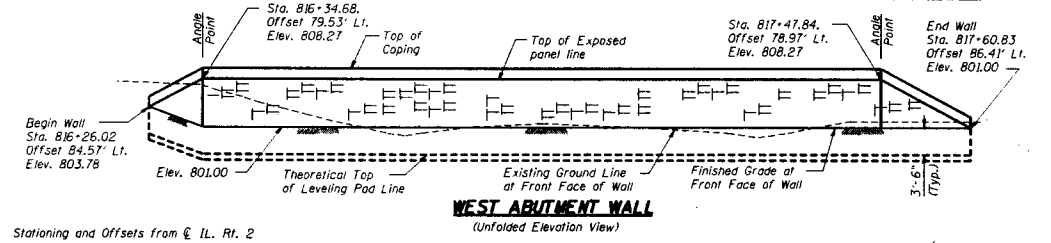
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 734	77-2	WINNEBAGO		2

SHEET NO. 2
2 SHEETS



SECTION THRU SEMI-INTEGRAL ABUTMENT

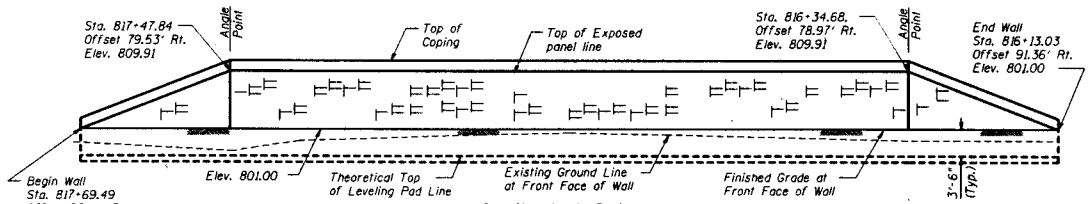
Dimensions at Right Angles



WEST ABUTMENT WALL

(Unfolded Elevation View)

Stationing and Offsets from ℄ IL. Rt. 2



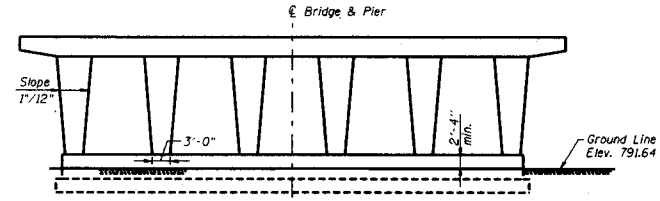
EAST ABUTMENT WALL

(Unfolded Elevation View)

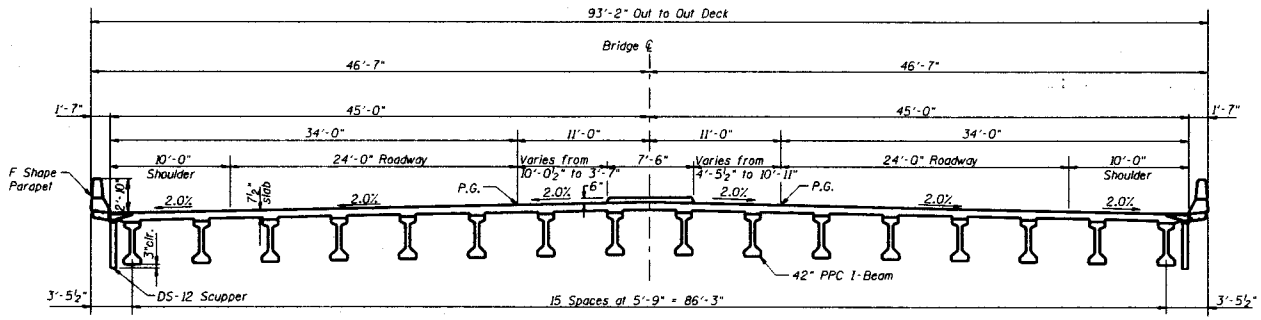
Select Backfill

APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

FEB 24 2005



PIER SKETCH



CROSS SECTION

(Looking East)

DESIGNED	AWH
CHECKED	JAN
DRAWN	AWH
CHECKED	JAN

GENERAL PLAN
LATHAM RD. OVER IL. ROUTE 2
F.A. ROUTE 734 SECTION 77-2
WINNEBAGO COUNTY
STATION 1673+08.06
STRUCTURE NUMBER 101-0179