

EXISTING STRUCTURE NO. 050-0047 STA. 626+41

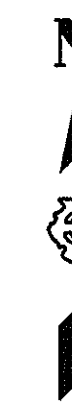
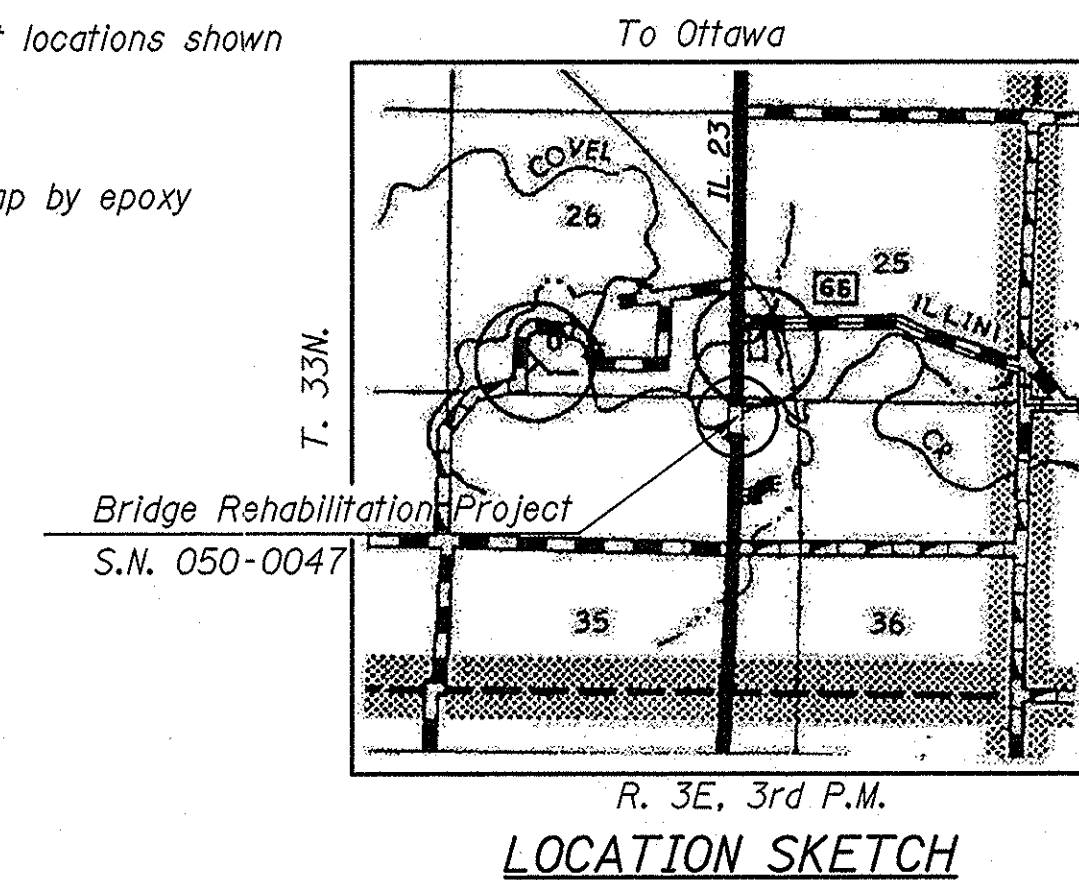
Four-span continuous steel composite wide flange beam bridge on concrete pile bent spill-through abutments and solid shaft reinforced concrete piers with concrete bridge approach pavements and rigid approach pavement connectors. Spans 36.33', 47.25', 47.25', 36.33'; 172.17' Bk.-Bk. Abuts., 36'-0" Rdwy., 39.17' Deck width, Skew = 32°-30' Rt.

EXISTING BENCH MARK INFORMATION

Top of Concrete Deck @ Rdwy. @ Bk. of S. Abutment
Assumed Elev. = 566.20

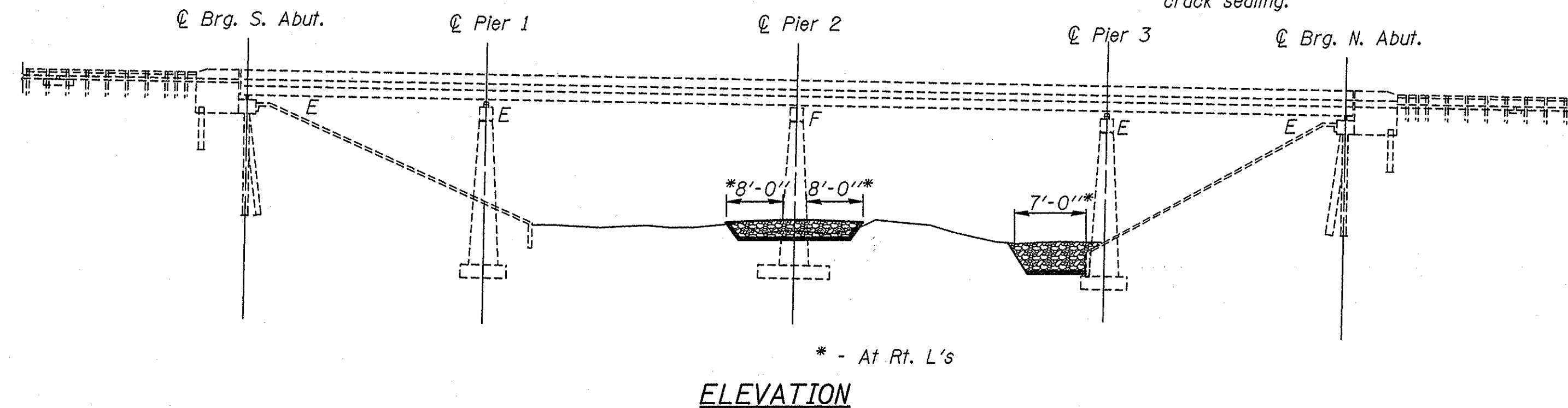
PROPOSED REHABILITATION WORK

1. Scarify and overlay the existing bridge deck, concrete approach pavements and concrete pavement connectors with Bridge Deck Thin Polymer Overlay (3/8"). Scarification of approach pavements and connector pavements shall be included in Concrete Bridge Deck Scarification.
2. Excavate and deposit Stone Riprap, Class A4, at locations shown for erosion protection.
3. Repair substructure cracks @ North Abutment Cap by epoxy crack sealing.

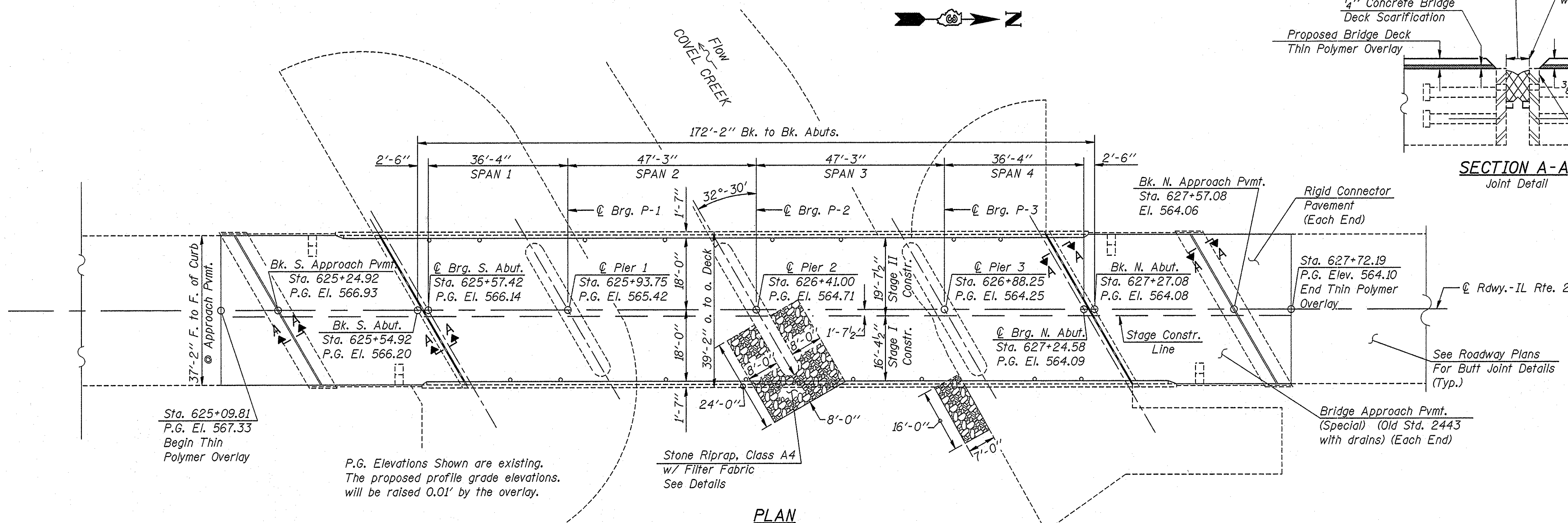


GENERAL NOTES

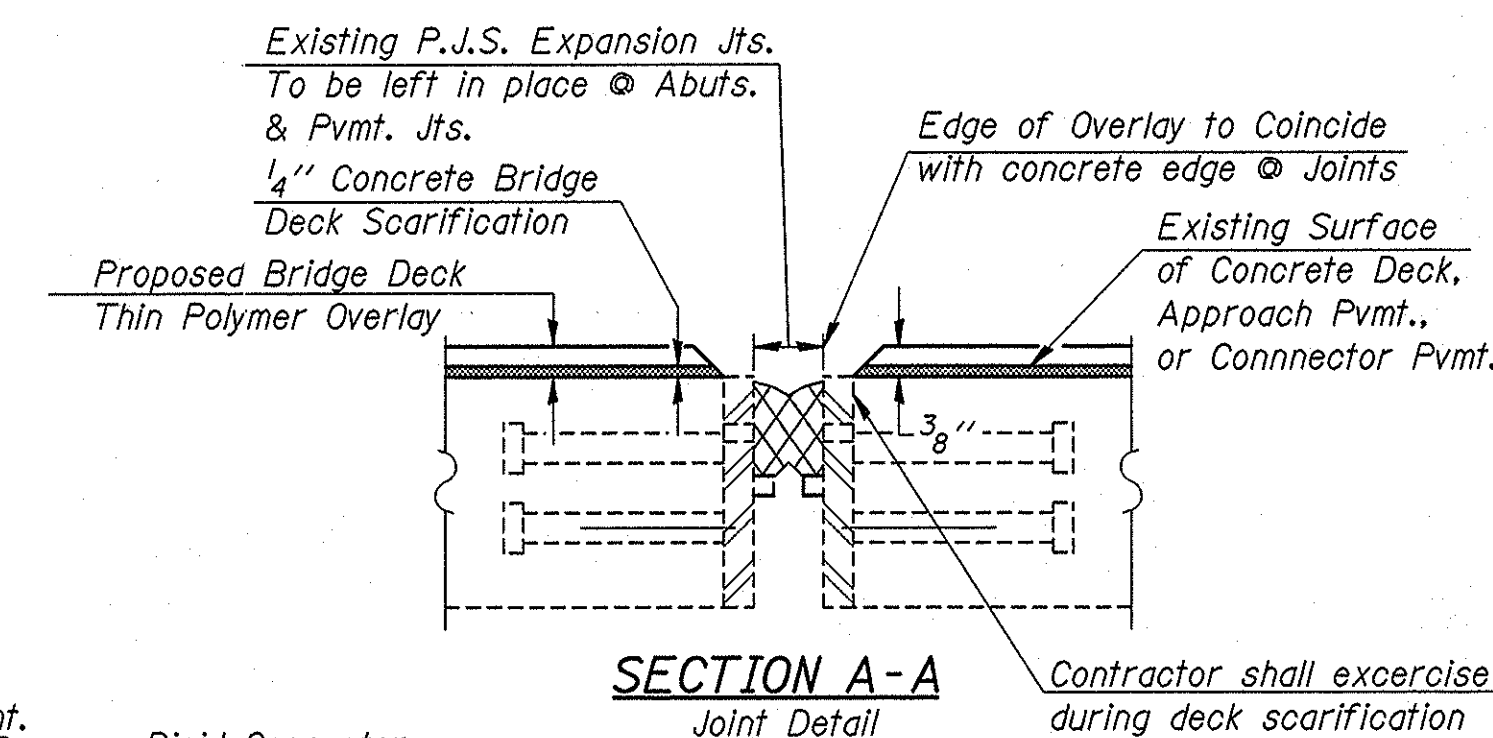
1. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
2. Existing deck and approach shoulder drains shall be protected during application of the overlay materials to prohibit clogging of these appurtenances.



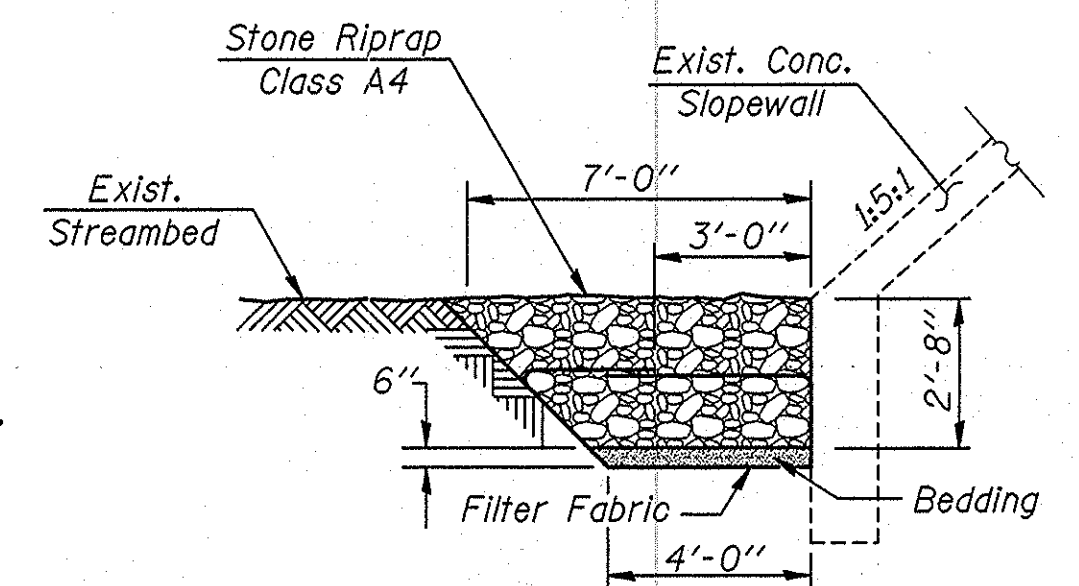
ELEVATION



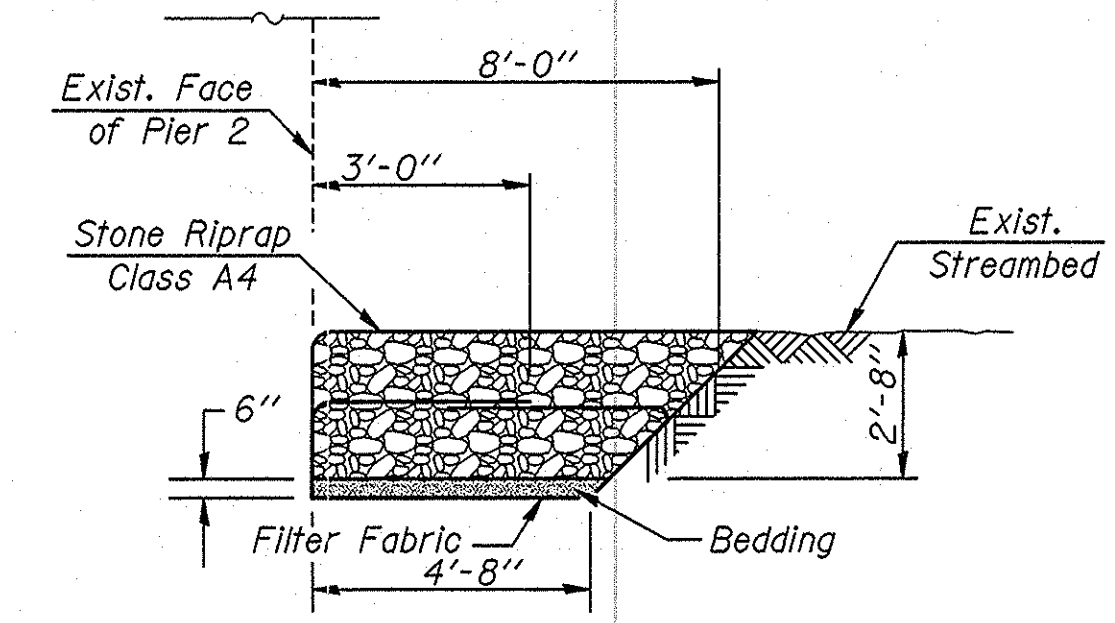
PLAN



SECTION A-A
Joint Detail



STONE RIPRAP-DETAIL
(@ Sloped Toe)



STONE RIPRAP-DETAIL
(@ Pier 2)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap Class A4	Sq. Yd.		59	59
Filter Fabric for use with Riprap	Sq. Yd.		59	59
Epoxy Crack Sealing	Foot		9	9
Bridge Deck Thin Polymer Overlay (3/8")	Sq. Yd.	1,052		1,052
Concrete Bridge Deck Scarification (1/4 Inch)	Sq. Yd.	1,052		1,052

LOADING HS20-44

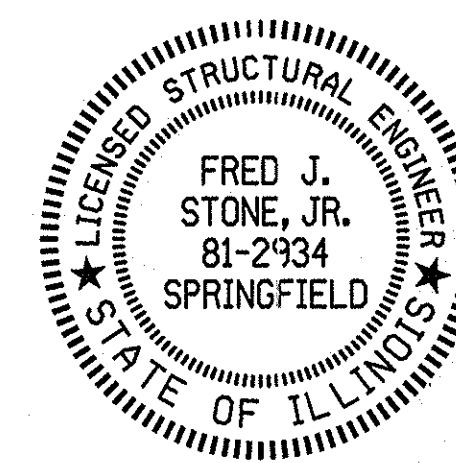
Dead Load included additional 25 p.s.f. for future wearing surface (1994 Superstructure Rehab. Plans)

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinf.)
 $f_y = 50,000$ psi (Struct.) M-270 Gr.50
 $f_y = 36,000$ psi (Struct.) M-270 Gr.36
 $f_s = 20,000$ psi (Sub. Reinf.)
 $f_c = 800$ (Original/Subs.)

HIGHWAY CLASSIFICATION

F.A.P. Rte. 68 - IL Rte. 23
Functional Class: Minor Arterial
ADT 7300 (2000); 12200 (2022)
Design Speed - 65 M.P.H.
Posted Speed - 55 M.P.H.



Fred J. Stone, Jr. (3-25-02)
ILLINOIS STRUCTURAL NO. 2934 (Expires 11/30/02)

REVISIONS	
NAME	DATE
ARK	3/25/02

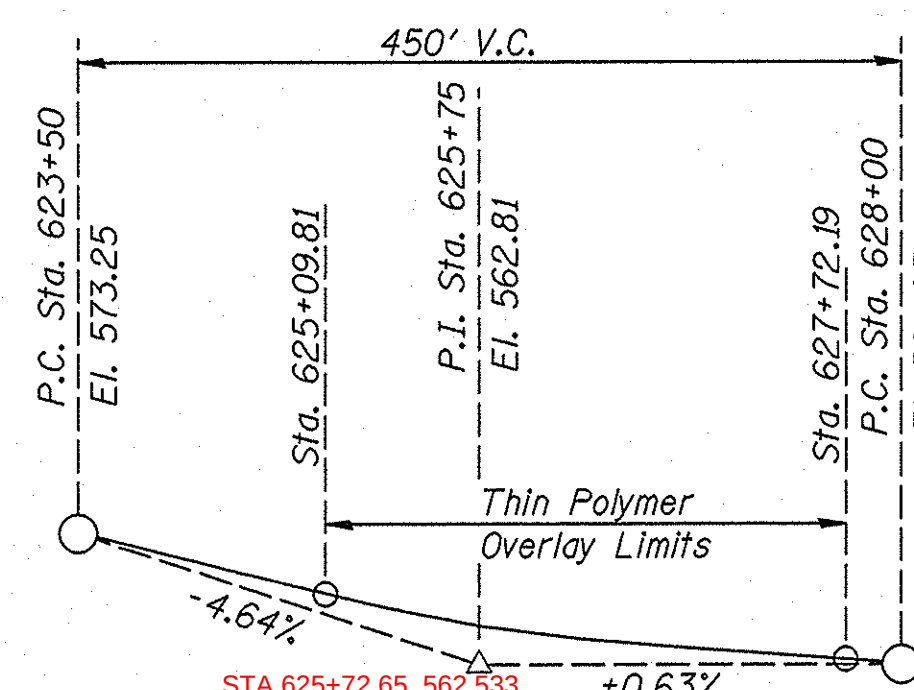
ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
IL. RTE. 23 OVER COVEL CREEK
SECTION (1,IR,2) RS-3 & I
LASALLE COUNTY
STA. 626+41
STR. NO. 050-0047

DATE: 4440 ASH GROVE
SPRINGFIELD, IL 62707
(217) 793-8600

DRAWN BY: 9931.9
FILE: 6pe.dgn
DATE: 3-25-02

Ozyurt and Stone, Inc.
CONSULTING ENGINEERS

Rehabilitation Project	
DESIGNED	A.R.K.
CHECKED	S.F.M.
DRAWN	D.E.G.
CHECKED	A.R.K. & F.J.S.

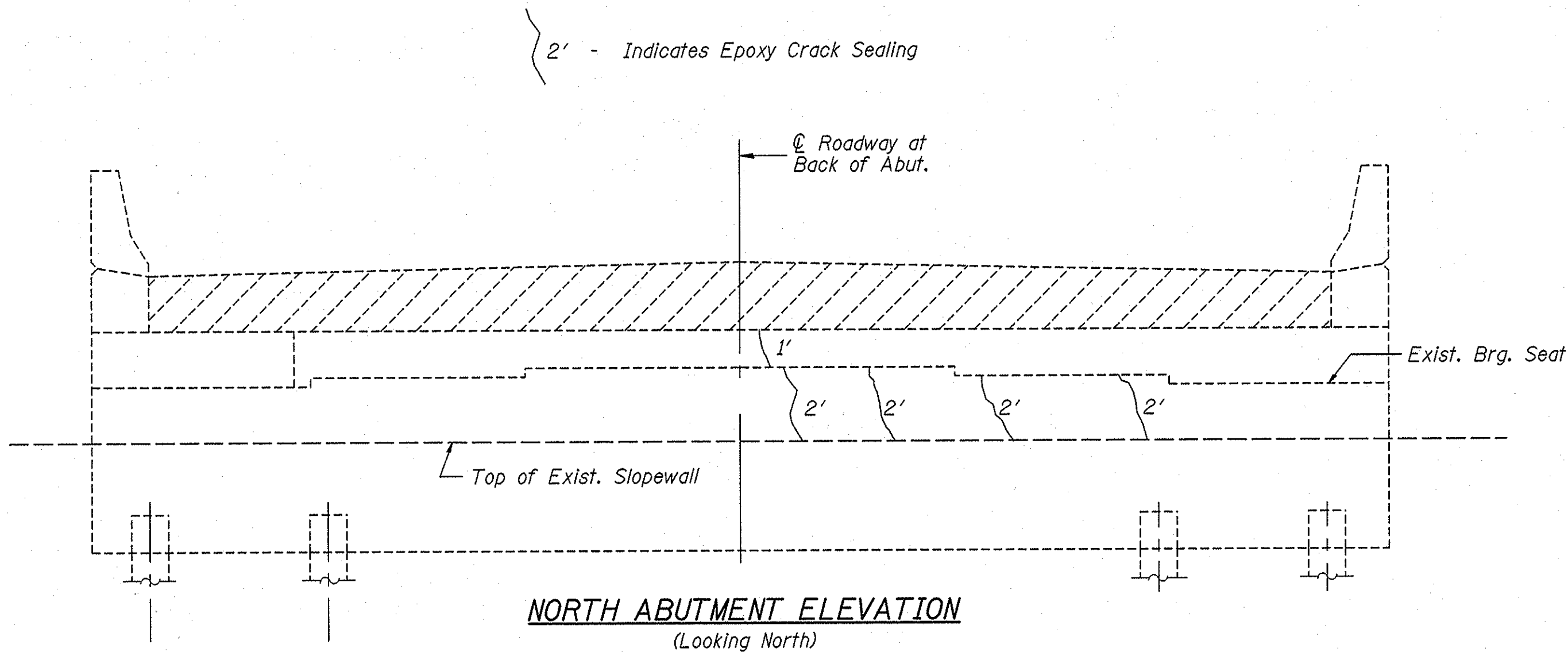


PROFILE GRADE

(Existing Bituminous or Concrete Surface)

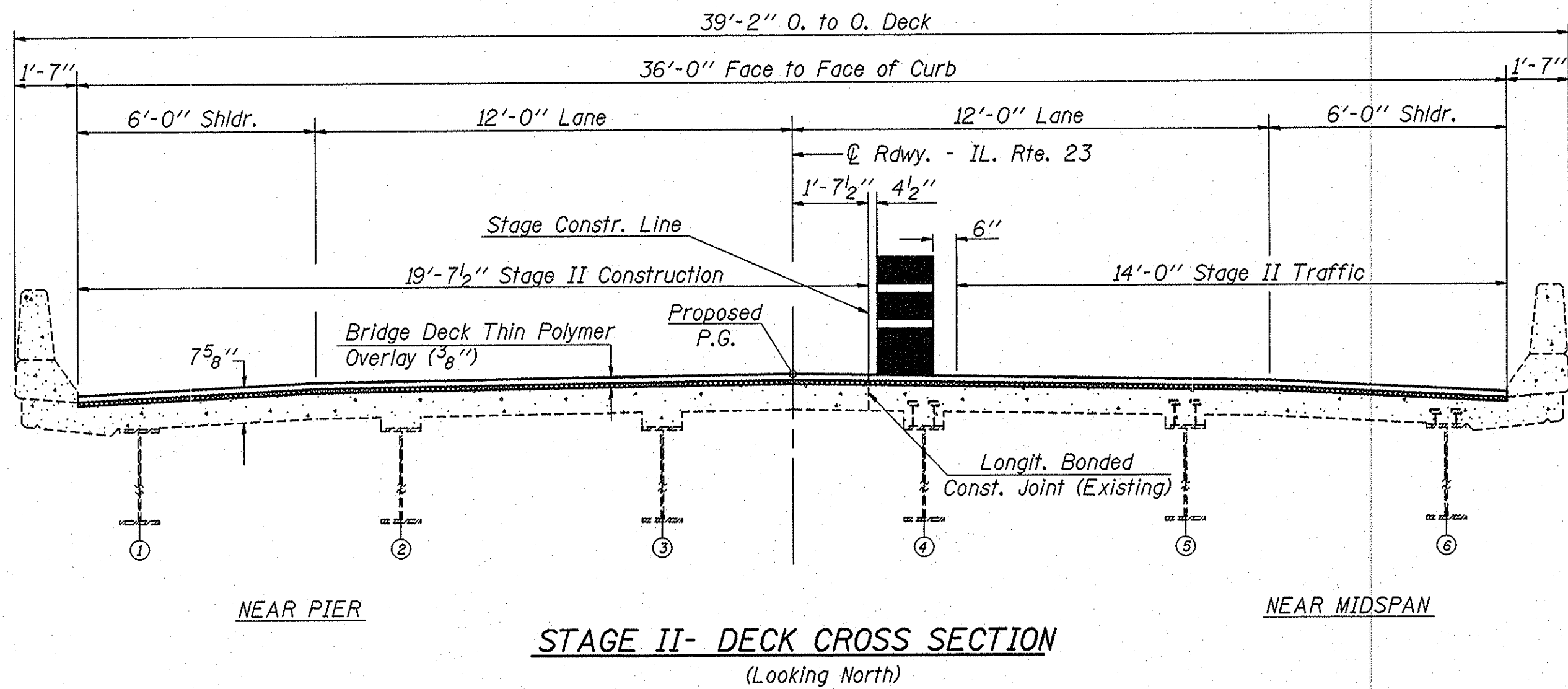
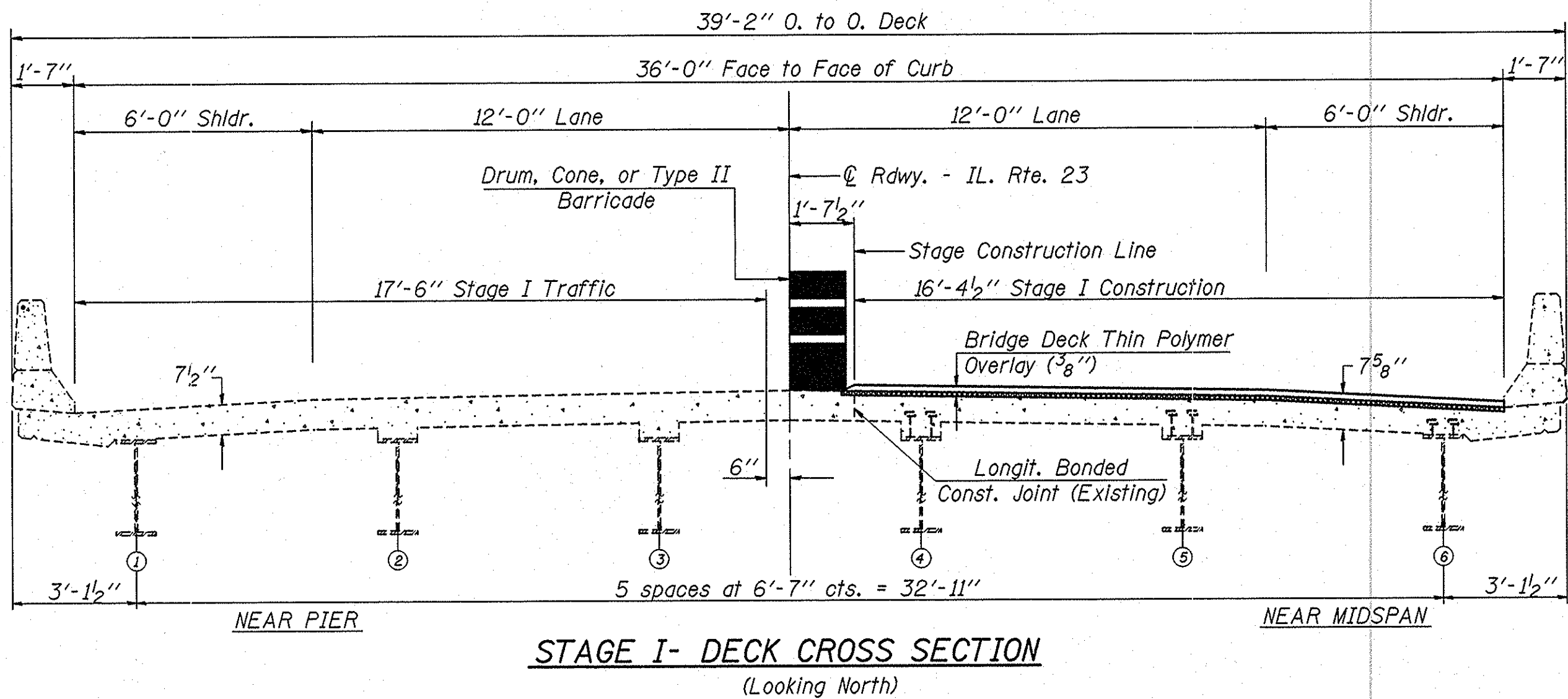
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 68	(1,1R,2) RS-3 & I	LASALLE	111	59
FED. RD. DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET 2 OF 2



TOTAL BILL OF MATERIAL - N. ABUTMENT

Item	Unit	Quantity
Epoxy Crack Sealing	Foot	9



Indicates Bridge Deck Scarification (1/4 ")

DESIGNED	A.R.K.
CHECKED	S.F.M.
DRAWN	D.E.G.
CHECKED	A.R.K. & F.J.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
STAGE CONSTRUCTION & ABUTMENT REPAIR DETAILS	
IL. RTE. 23 OVER COVEL CREEK	
SECTION (1,1R,2) RS-3 & I	
LASALLE COUNTY	
STA. 626+41	
STR. NO. 050-0047	
DATE:	DRAWN BY:
4440 ASH GROVE	CHECKED BY:
SPRINGFIELD, IL 62707	JOB #: 9931.9
(217) 793-8600	FILE: Staging.dgn
Ozyurt and Stone, Inc.	DATE: 3-25-02
CONSULTING ENGINEERS	