

В

Long Chord

59'-11³8" Along Beams

For sections A-A, B-B, C-C,

D-D and E-E See Sheet 3 of 27.

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DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

1995 F.H.W.A. Seismic Retrofitting Manual for Highway Bridges

2006 F.H.W.A. Seismic Retrofitting Manual for Highway Structures Part 1-Bridges (Reference Only)

SEISMIC DATA

Seismic Performance Category (SPC) = B Bedrock Acceleration Coefficient (A) = 0.075 g Site Coefficient = 1.0

**** Existing floor drains @ ±12'-0" oncenter and 10'-0" clr. from all substructure elements. No drains in Span 2.

***** Skew angle measured to tangent at intersection of @ roadway & @ substructure.

DESIGN STRESSES

New Construction

f'c = 3,500 psi fy = 60,000 psi (Reinforcement)50,000 psi (Structural Steel)

(AASHTO M270 Grade 50)

Existing Structure f'c = 3500 psi

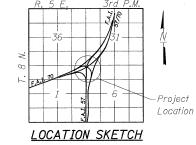
40,000 psi (Sub) (Reinforcement)

fy = 33,000 psi (Structural Steel)

60,000 psi (Super) (Reinforcement)

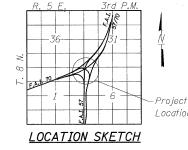
LOADING HS20-44 & ALT.

No Future Wearing Surface



GENERAL PLAN SOUTHBOUND F.A.I. ROUTE 57 OVER EASTBOUND F.A.I. ROUTE 57-70 STATION 5029C+52.21 STRUCTURE NO. 025-0001

	SHEET NO. 1	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
		57	(25-3HB)I-2	EFFINGHAM	1416	1355
	27 SHEETS	SN 025-0001		CONTRACT	NO. 74	296
		ID PROJECT				



CHECKED C.J.F. & B.B.

2'-9" Bk. S. Abut. to @

Brg. Along Beams

Traffic

Increase

SB F.A.I. 57

DESIGNED B.B.

CHECKED C.J.F.

DRAWN

<u>W.</u>J.S.

Chulwish of Knesty 4/29/2010

APPROVED

Ralph E Oudersum (1710) ENGINEER OF BRIDGES AND STRUCTURES

-****10'-0'

lPt. of min. ≥ Clearance

59'-63₈" Along Chord

Span 2

185'-73₄" BK to BK Abutments

along L.C.

PLAN

BERNARDIN LOCHMUELLER & ASSOCIATES, INC.

Illinois Design Firm Number 184.001670

2'-9" Bk. N. Abut. to @

Brg. Along Beams

Bk N. Abut.

Elev. 554.63

Stage Construction

58'-2₁₆" Along Beams

Span 3

Sta. 5030C+41.59