

END DIAPHRAGM-D6 & BEAM REPAIR

(15 Diaphragms Required) (9 Repairs Required)

REPAIR LOCATIONS

Location	Span	Beams		
Pier 4	4	1 , 5 & 10		
Pier 5	6	1, 5, 6 & 10		
E. Abut.	10	1 & 10		

BILL OF MATERIAL

Item		Unit	Quantity
Structural	Steel Repair	Pound	1660

BEAM 8 REPAIR @ PIER 5

NOTES

- Work this sheet with Sheets S42 thru S48 and S50.
- . Contractor shall field verify dimensions at repair plates.
- Two hardened washers are required for each set of oversized holes.
- 4. Diaphragms, connection angles and repair plates shall be AASHTO M270 Grade 36.

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۱	GRAEF	
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1	8501 W. Higgins Road; Suite 280	L
ı	Chicago, Illinois 60631; (773) 399-0112	Γ

USER NAME =	DESIGNED	-	J.A.Z.	6/15/2012	REVISED	-
	CHECKED	-	J.Z.	6/15/2012	REVISED	-
PLOT SCALE =	DRAWN	-	D.G.	6/15/2012	REVISED	-
PLOT DATE =	CHECKED	-	J.A.Z.	6/15/2012	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR & DIAPHRAGM DETAILS
STRUCTURE NO. 045-0039

SHEET NO. S49 OF 116 SHEETS

F.A.P. SECTION COUNTY TOTAL SHEETS NO. 349 (10 & 11VB) R-3 KANE 507 270 CONTRACT NO. 60133