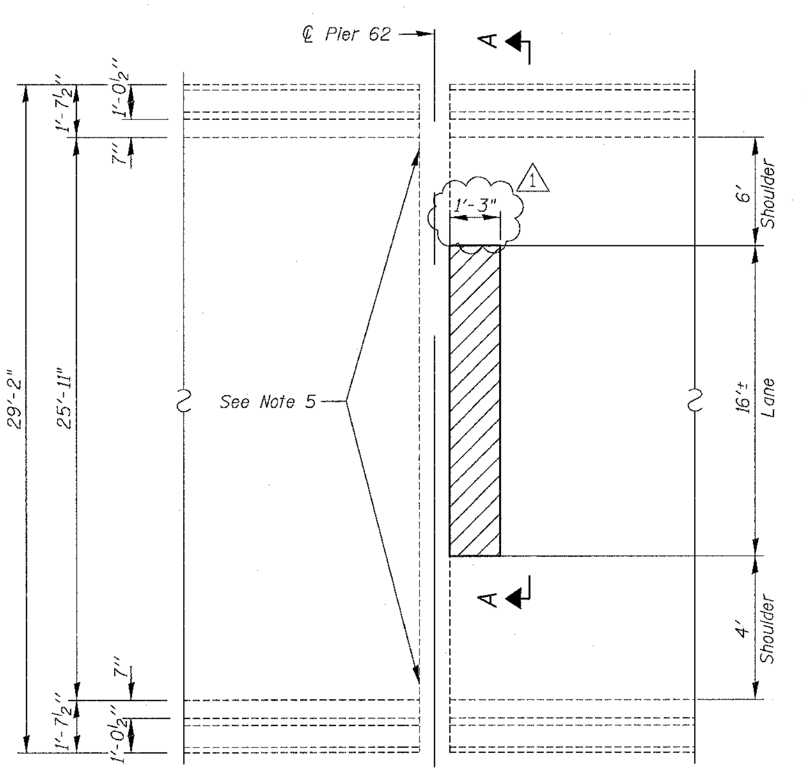
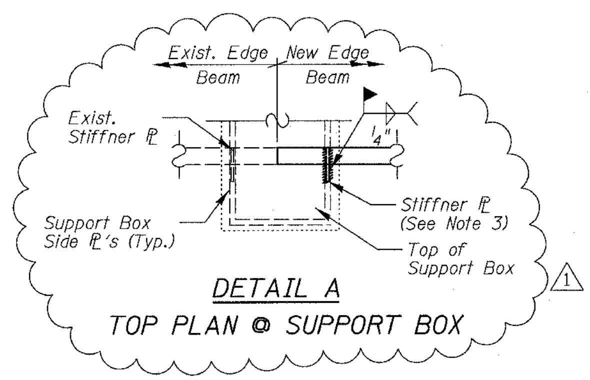
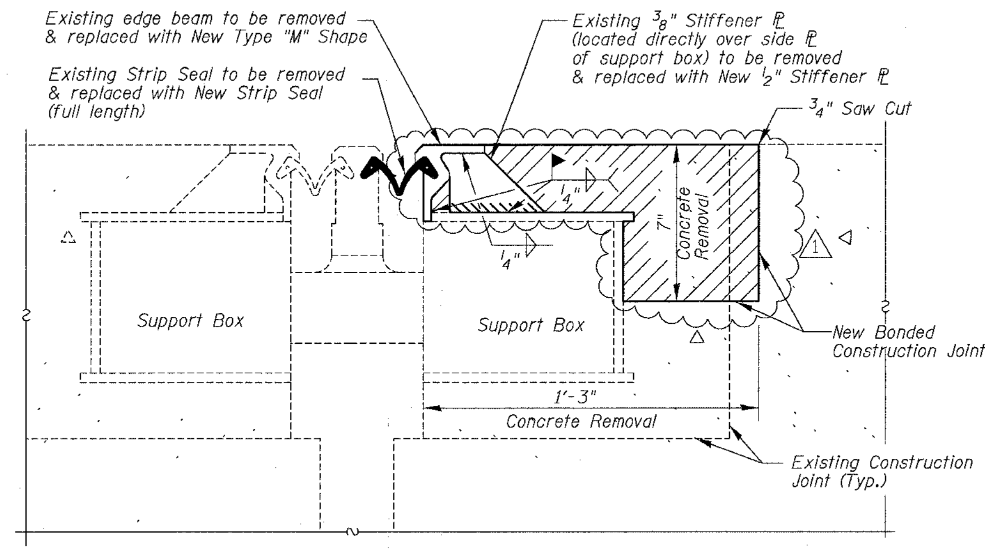
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-029I	COOK	344	277
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

62581

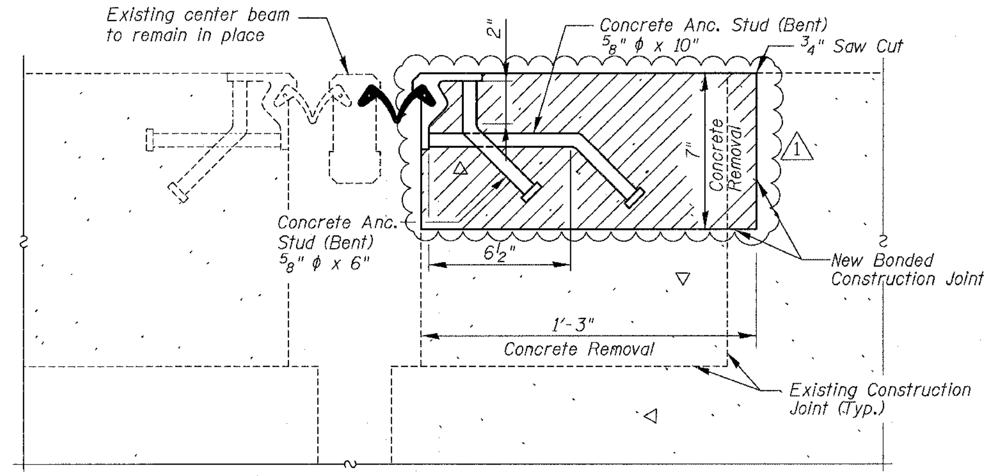


PARTIAL DECK PLAN - PIER 62

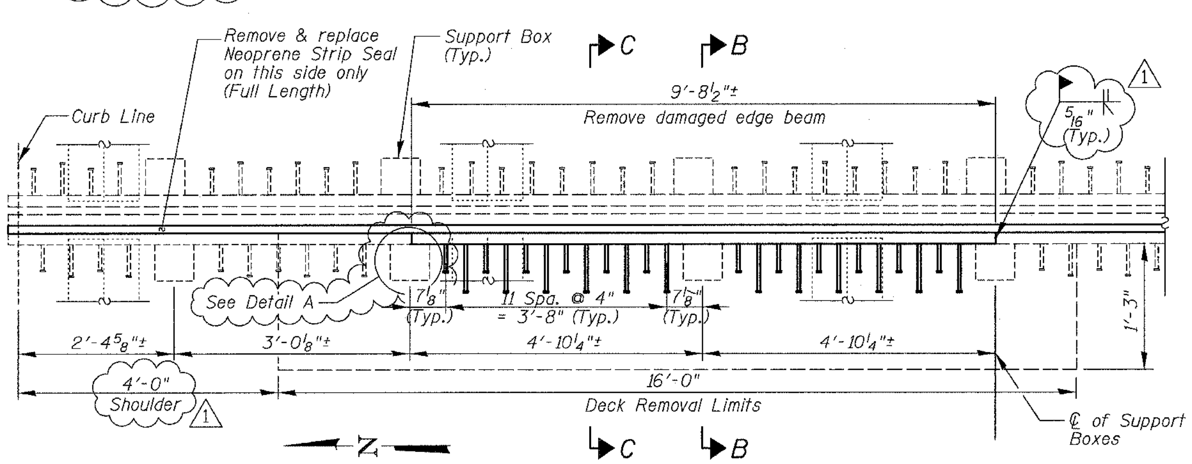




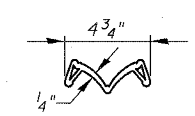
SECTION B-B



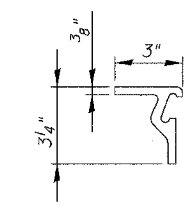
SECTION C-C



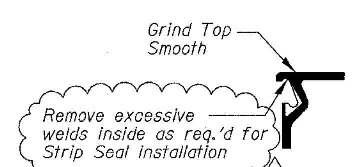
SECTION A-A



NEOPRENE GLAND

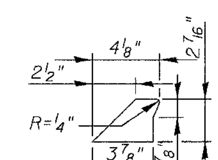


EDGE BEAM SHAPE



FIELD WELD

NOTE: Shaded area to be groove welded



STIFFENER PLATE

MODULAR EXPANSION JOINT REPAIR NOTES

1. Support box, upper and lower bearings (inside support box) shall be examined to ensure they are not damaged and in the as-installed condition prior to repair.
2. The damaged edge beam and stiffner plates shall be removed by field cutting, removing welds and grinding smooth. Field cutting shall use either the air-arc method or saw cutting, no flame cutting will be allowed. All remaining welds or surfaces shall be ground smooth after removal. Grinding shall be done parallel to longitudinal direction of support boxes.
3. New stiffner plates will be located as close as practical to the side plates of the support boxes. Extreme care shall be exercised in all field welding operations not to induce excess heat into the urethane bearings inside support boxes. The bearings are flammable. Any damage to support boxes or components inside shall be repaired as directed by the Engineer at no additional cost to the Department.
4. Cost of removal and disposal of existing steel and strip seal shall be included in the cost of "Modular Expansion Joint Repair".
5. Existing junction plates at parapet shall be removed and reattached as required to install new strip seal. Cost included in "Modular Expansion Joint Repair".
6. Spalled or unsound concrete beyond the specified removal dimensions, if any, shall be incorporated into the removal limits as directed by the Engineer and the cost included with Concrete Removal and Concrete Superstructures. Groove new concrete as directed by the Engineer.
7. Existing deck rebars within the removal area, if any, shall remain in place. Bend conflicting rebars as directed by Field Engineer. Rebars damaged during concrete removal shall be replaced at no cost to the Department.
8. Contactor shall place formwork so that no concrete flows into boxes and joint gap opening.
9. Contractor shall field verify all relevent dimensions prior to ordering or fabricating materials. See Special Provision for Field Measurements.
10. All concrete Anchor Studs bent at 45.° Saw cut around entire perimeter of removal area. Cost of saw cut included with Concrete Removal.
11. Shop drawings of the original joint are available, see Special Provision for Examination of Existing Plans.
12. Field touch-up of shop and painted areas shall be required after field welding and grinding, as directed by the Engineer. Cost of touch-up shall be included with Modular Expansion Joint Repair.

BILL OF MATERIAL

ITEM	UNIT	QTY.
Concrete Removal	Cu. Yd.	1
Concrete Superstructures	Cu. Yd.	0.4
Modular Expansion Joint Repair	L. Sum	1

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

REVISIONS NAME	DATE
ADDENDUM NO. 1	6/29/06

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
SB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
MODULAR EXPANSION JOINT REPAIR
SN 016-1046

SCALE: NTS | DRAWN BY: BDC
DATE: 5/25/2006 | CHECKED BY: IYL