

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

*See Abutment Stabilization Detail on
Abutment Stabilization Details sheet
for the start of the Approach Slab.

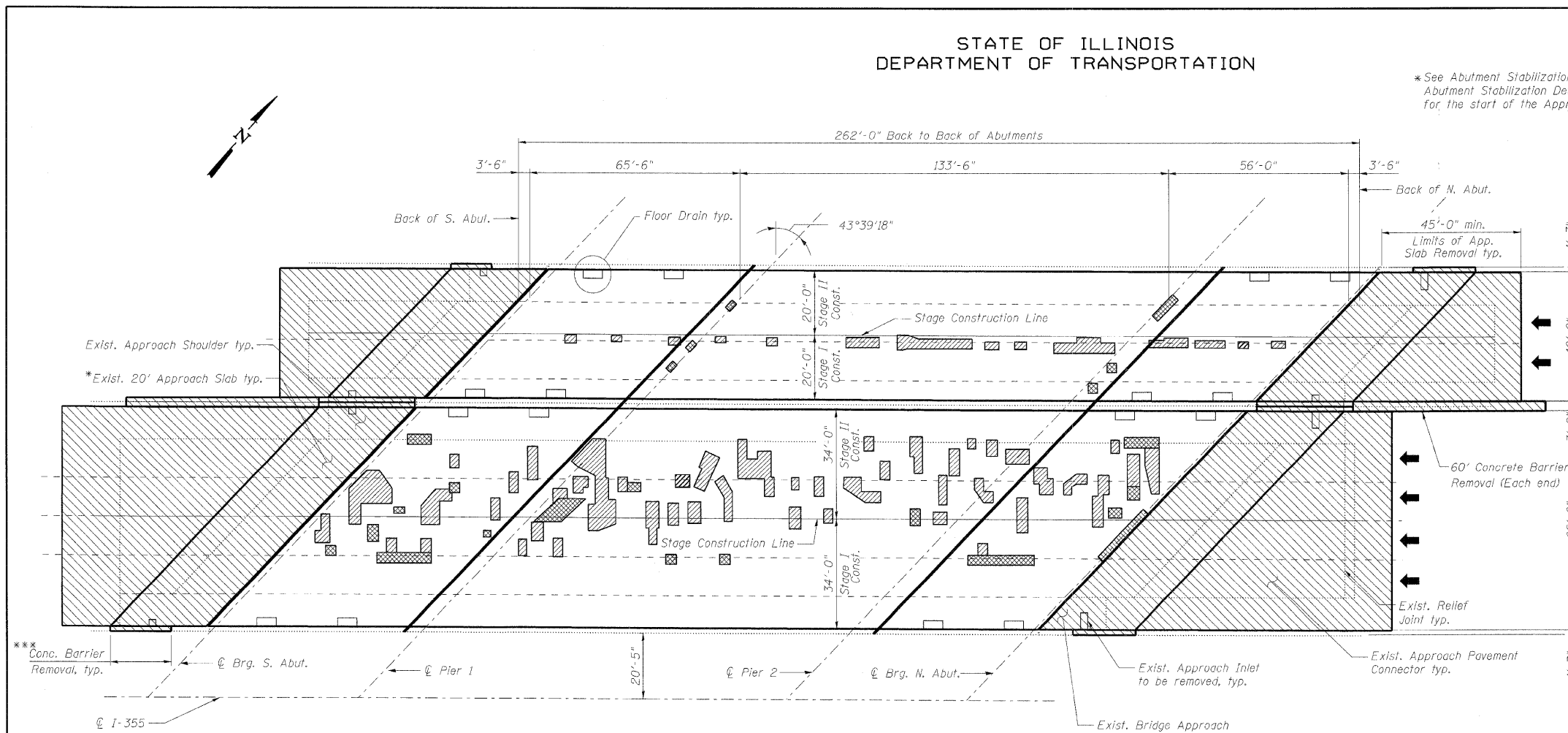
BILL OF MATERIAL

SYMBOL	ITEM	UNIT	QUANTITY
	Deck Slab Repair (Partial)	Sq. Yd.	211.7 ▲
	Deck Slab Repair (Full Depth - Type I)	Sq. Yd.	27.0
	Deck Slab Repair (Full Depth - Type II)	Sq. Yd.	19.8
	Protective Shield	Sq. Yd.	1,753
	Protective Coat	Sq. Yd.	3,340
	Bridge Deck Grooving	Sq. Yd.	2,917
	Bridge Deck Latex Concrete Overlay, 2 1/2"	Sq. Yd.	3,183
	Bridge Deck Hydro-Scarification, 2 1/2"	Sq. Yd.	3,183

▲ For information only to assist the Contractor in bidding
See Special Provision for "Bridge Deck Latex Concrete Overlay".

Notes:

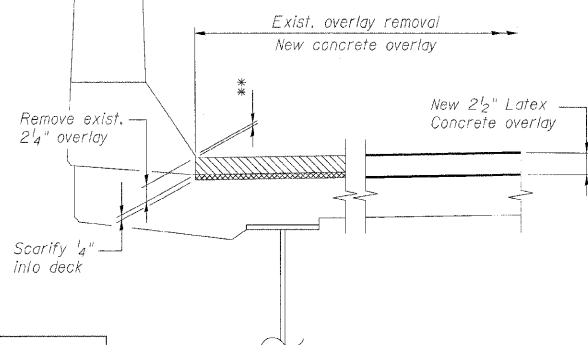
- Deck and approach slab repair areas are estimated based on infrared thermographic deck survey and visual inspection completed in June 2009. Actual repair areas and locations shall be determined by the Engineer and shown on As-Built plans.
- Protective Shield, required for deck slab and/or parapet repairs, shall be installed according to Article 501.03 of the Standard Specifications. For limits of Protective Shield, see General Plan and Elevation sheet.
- Deck drains (downspouts, floor drains, and scuppers) shall be cleaned prior to placement of the Latex Concrete Overlay. Cost of cleaning the deck structure is included in Bridge Deck Hydro-Scarification, 2 1/2".
- Gaps caused by distress around floor drains shall be filled with epoxy as specified in the Special Provision "Epoxy Injection". Cost included with Bridge Deck Latex Concrete Overlay, 2 1/2".
- See Approach Slab Details sheets for Approach Slab removal and replacement details and quantities. See the Special Provisions for "Approach Slab Removal" and "Concrete Barrier Removal".
- The Contractor shall exercise extreme care with the existing conduits in sections of the parapet to be removed and shall protect and support the conduit. The Contractor will be required to repair any damage done to the conduit to the satisfaction of the Engineer. No splicing will be allowed to any cable damage resulting from this work, instead the Contractor will be required to repair the entire span of any damaged cable at no additional cost to the Department.



PLAN

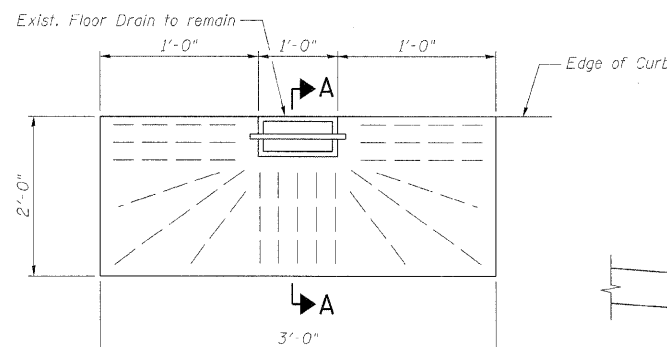
*** Limits of Concrete Barrier Removal shall match the limits of proposed parapet on the approaches. See sheets 6 thru 11 for details.

** Contractor shall increase scarification thickness or reduce overlay thickness as directed by the Engineer to ensure this dimension is never less than 0".

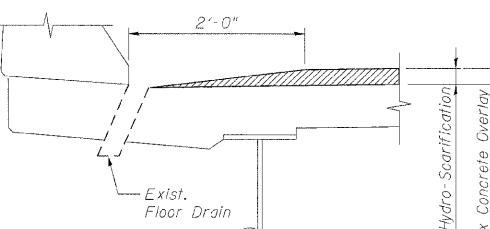


SCARIFICATION & OVERLAY
DETAIL AT PARAPET

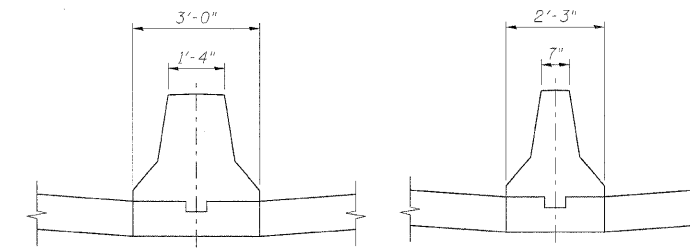
DESIGNED	MFB
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS



PLAN



SECTION A-A
CONCRETE OVERLAY AT FLOOR DRAIN

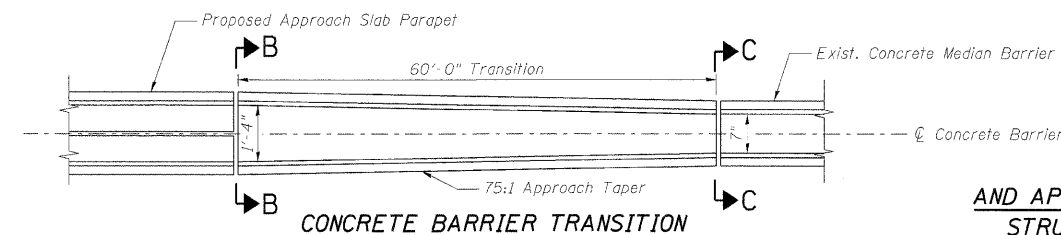


SECTION B-B

Concrete Barrier, Double Face
16" Top Width

SECTION C-C

Concrete Barrier, Double Face
7" Top Width



CONCRETE BARRIER TRANSITION

BRIDGE DECK
AND APPROACH SLAB REPAIRS
STRUCTURE NO. 022-0138

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-665-0450 Job No. 10050

SHEET NO. 5 38 SHEETS	F.A.I. RTE. 290 355	SECTION 22(1, 1-1, 2&3)RS-7	COUNTY DUPAGE	TOTAL SHEETS 546	SHEET NO. 380
	CONTRACT NO. 60G51				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		