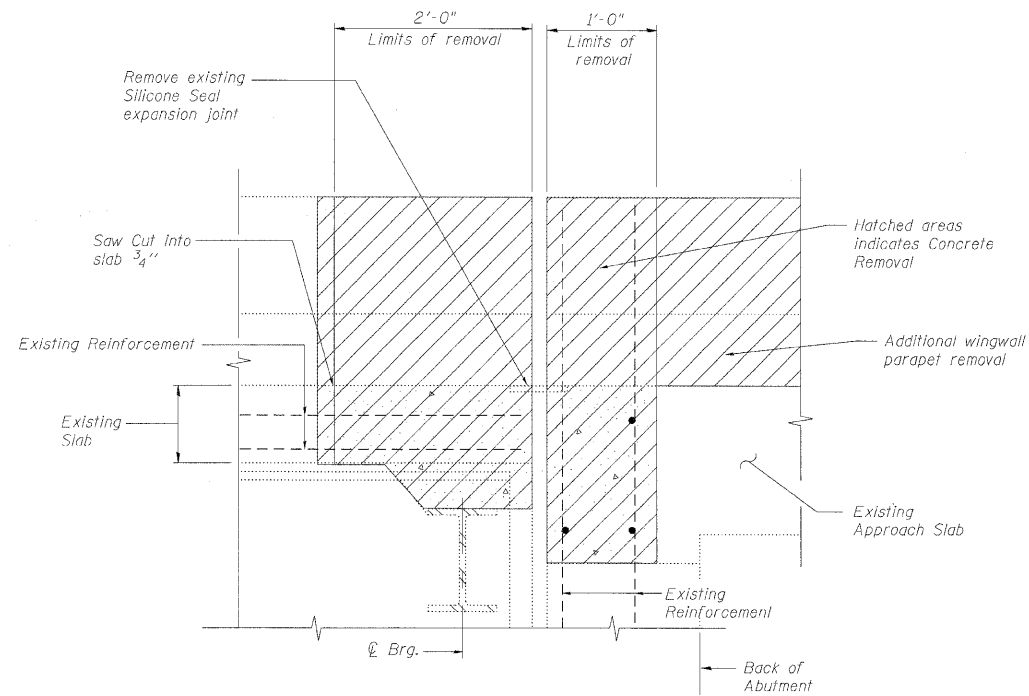STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION A-A

2'-0" Limits of removal
1'-0" Limits of removal

Remove existing Silicone Seal expansion joint

Saw Cut into slab 3/4"

Existing Reinforcement

Existing Slab

Hatched areas indicates Concrete Removal

Additional wingwall parapet removal

Existing Approach Slab

Existing Reinforcement

℄ Brg.

Back of Abutment
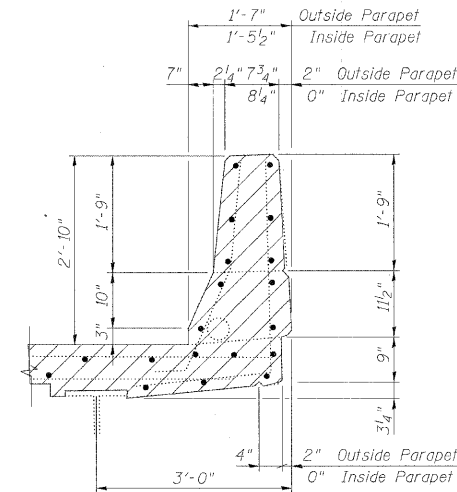
EXISTING PARAPET SECTION

1'-7" Outside Parapet
1'-5½" Inside Parapet

7" 2¼" 7¾" 2" Outside Parapet
8¼" 0" Inside Parapet

2'-10"
3'-10"
1'-9"
1'-9"
1½"
9"
3¼"

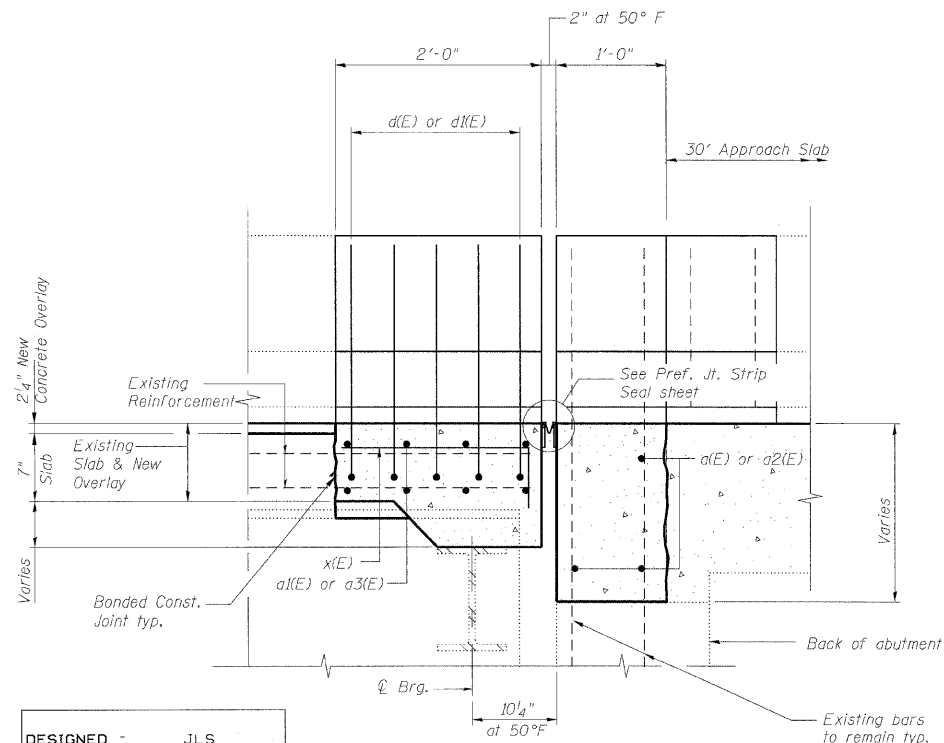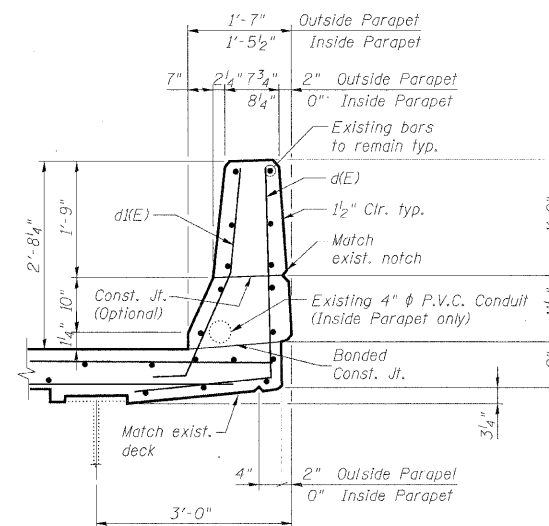4" 2" Outside Parapet
3'-0" 0" Inside Parapet

Notes:

1. Existing reinforcement bars extending into the concrete removal area shall be blast-cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be repaired or replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

2. Existing reinforcement bars in the concrete removal area parallel to the expansion joints shall be removed.

3. Removal and disposal of the existing expansion joints will not be paid for separately, but shall be included with the cost of Concrete Removal.

4. If existing name plate falls within the limits of Concrete Removal, it shall be removed and reinstalled in its original location in accordance with IDOT Std. 515001. Cost included with Concrete Superstructure.

5. If existing guardrail and/or end shoe fall within the limits of Concrete Removal, they shall be removed and reinstalled in their original location in accordance with District 1 Std. BM-21. Cost included with Concrete Superstructure.

6. The Contractor shall exercise extreme care with the existing conduits in sections of the parapet to be removed and to protect and support the conduit. The Contractor will be required to repair any damage done to the conduit to the satisfaction of the Engineer, at no additonal cost to the Department. 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.

7. Work this sheet with Expansion Joint Repairs sheet.

SECTION B-B

2'-0"
1'-0"
2" at 50° F

d(E) or d1(E)

30' Approach Slab

2¼" New Concrete Overlay

Existing Reinforcement

7" Slab Existing Slab & New Overlay

See Pref. Jt. Strip Seal sheet

a(E) or a2(E)

Varies

Varies

Bonded Const. Joint typ.

x(E)
a1(E) or a3(E)

℄ Brg.

10¼" at 50°F

Back of abutment

Existing bars to remain typ.

PROPOSED PARAPET SECTION

1'-7" Outside Parapet
1'-5½" Inside Parapet

7" 2¼" 7¾" 2" Outside Parapet
8¼" 0" Inside Parapet

Existing bars to remain typ.

d(E)
1½" Clr. typ.
Match exist. notch

d1(E)

Const. Jt. (Optional)

Existing 4" ⌀ P.V.C. Conduit (Inside Parapet only)

Bonded Const. Jt.

Match exist. deck

2'-8¼"
1'-9"
3'-10"
4"
1½"
9"
3¼"

4" 2" Outside Parapet
3'-0" 0" Inside Parapet

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450   Job No. 10050

	DESIGNED -	JLS
	CHECKED -	AAY
	DRAWN -	VH
	CHECKED -	AAY

EXPANSION JOINT DETAILS
STRUCTURE NO. 016-1131

SHEET NO. 6
10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2009-099 BR	COOK/DUPAGE	309	186
		CONTRACT NO. 60157		

FED. ROAD DIST. NO.   ILLINOIS FED. AID PROJECT

x:\100200s\10050\engineering_documents_contract_\SN_016.1131.1130.C&Nw_N\1131-60051-006-ExpJt-details.dgn

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