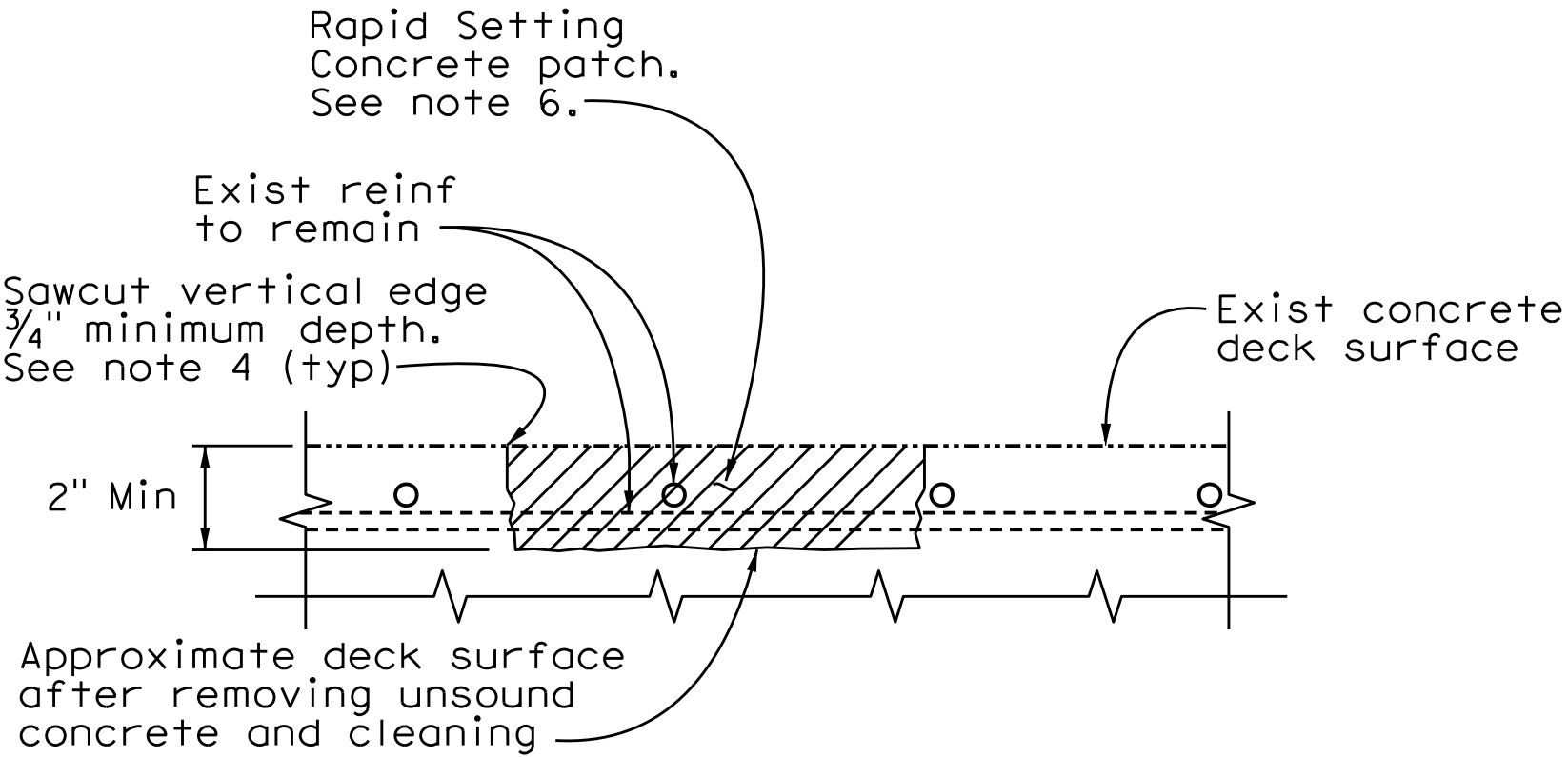
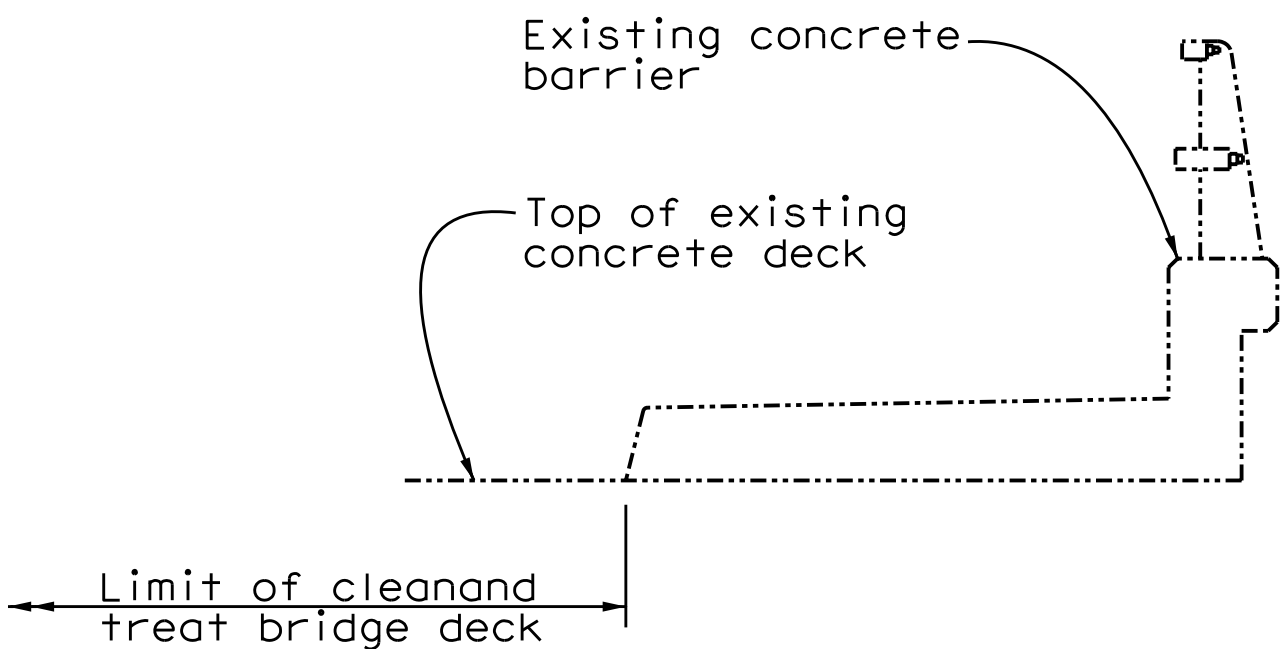


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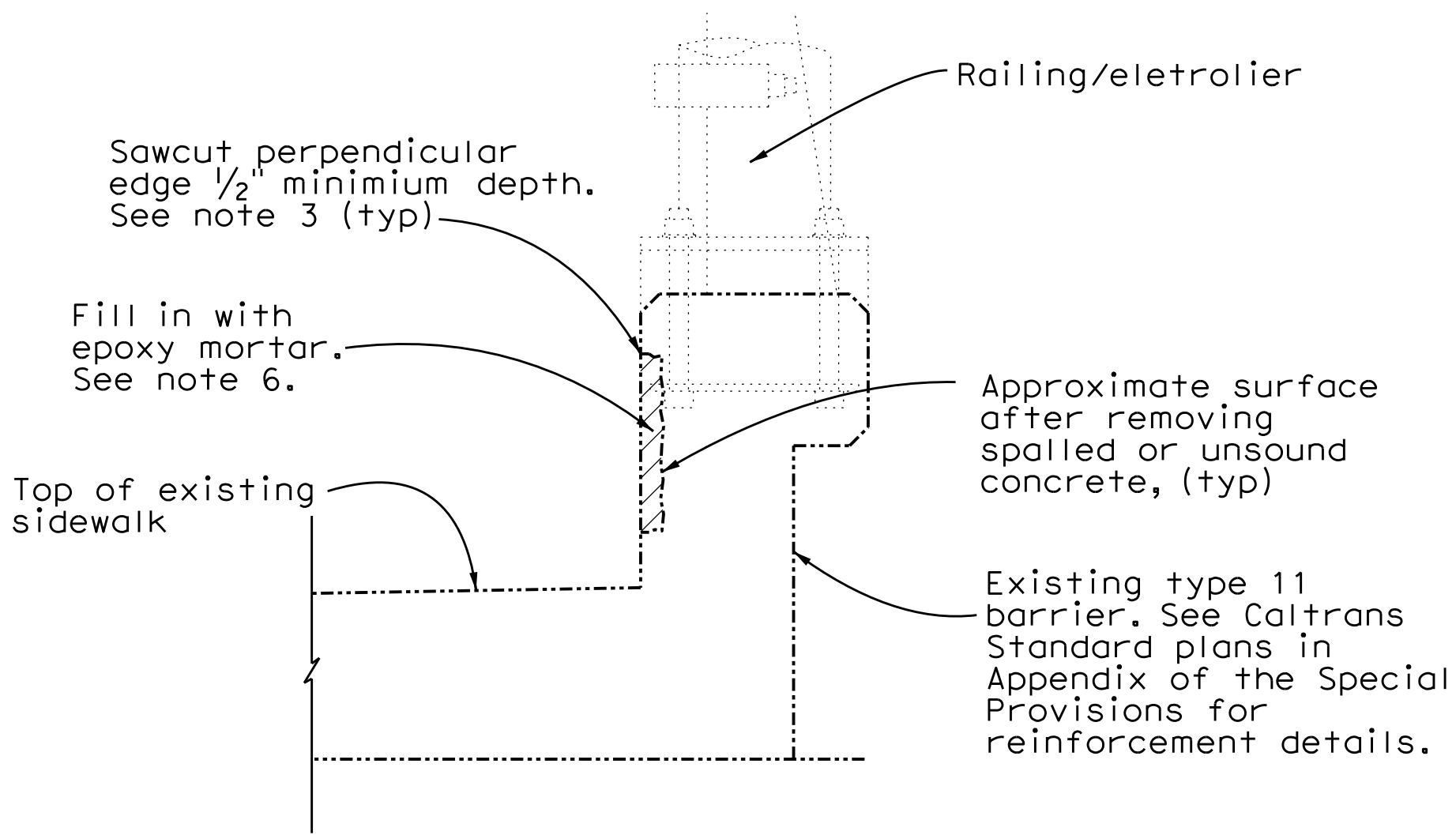
DECK REPAIR TABLE						
BRIDGE NAME	BRIDGE NUMBER	TOTAL DECK AREA (SQ FT)	APPROXIMATE AREA DAMAGED (%)	APPROXIMATE DEPTH (INCHES)	REMOVE UNSOUND CONCRETE (CF)	RAPID SETTING CONCRETE PATCH (CF)
Slater - Segerstrom Bridge Across Santa Ana River	55C-0371	20,958	2	2	70	70



DECK DAMAGE REPAIR DETAIL
NO SCALE
Location will be determined by the Engineer. Reinforcement may be encountered during deck concrete removal and is to remain undamaged.



TYPE II BARRIER
TYPICAL LIMITS OF DECK WORK
NO SCALE



BARRIER REPAIR DETAIL
NTS
Unsound/spalling concrete location will be determined by the Engineer.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

DECK REPAIR NOTES:

- Existing reinforcement shall be protected in place during unsound concrete removal and patching operations.
- It is responsibility of the Contractor to repair any reinforcement that is accidentally cut by saw cutting operations.
- When existing transverse reinforcement is exposed in the deck surface, saw cutting shall be waived with the approval of the Engineer.
- The sawcut depth shall not exceed 3/4" or the concrete cover over the top steel reinforcing bars, whichever is less.
- Remove unsound Portland Cement concrete and unsound concrete patches to expose sound, hard concrete substrate. Replace original deck surface with rapid setting concrete patch.
- Rapid setting concrete repairs shall conform to the sections entitled "Patches," "General Provisions Applicable to All Patches," and "Rapid Setting Concrete Patches in Deck Surfaces" of the special provisions.

BARRIER REPAIR NOTES:

- Existing reinforcement shall be protected in place during unsound concrete removal operations.
- It is the responsibility of the Contractor to repair any reinforcement that is accidentally cut by saw cutting operations.
- The saw cut depth shall not exceed 1/2" or the concrete cover to the outer layer of reinforcement, whichever is less.
- Remove unsound concrete to expose sound, hard concrete substrate.
- Replace original concrete surface with epoxy mortar.
- Epoxy mortar repairs shall conform to the sections entitled "Patches," "General Provisions Applicable to All Patches," and "Vertical and Overhead Un-Formed Patches" of the special provisions.



										APPR
										DATE
										DESCRIPTION
										MARK

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

[Signature]

REGISTERED PROFESSIONAL ENGINEER
No. 73985
Exp. 6/30/15
STATE OF CALIFORNIA

DATE: 11/02/14
CO PHUNG

DESIGNED BY: C. PHUNG	CHECKED BY: E. FRONDOSO	SCALE: AS NOTED
DRAWN BY: CP/N	DRAWING CODE	FILE NAME:
PLOT DATE: 3/2/2014		
ORANGE COUNTY PUBLIC WORKS	CAPITAL PROJECTS	

MAINTENANCE OF VARIOUS BRIDGES IN ORANGE COUNTY
LOWER SANTA ANA RIVER AREA BRIDGES - PHASE I
SLATER-SEGERSTROM BRIDGE OVER SANTA ANA RIVER
BR. NO. 55C-0371

NO AS BUILT CHANGES

LEGEND

- Indicates Existing.
- Indicates direction of traffic.
- ~~~~~

Indicates direction of flow.
- Indicates limits of clean and treat
bridge deck with high molecular weight
methacrylate.

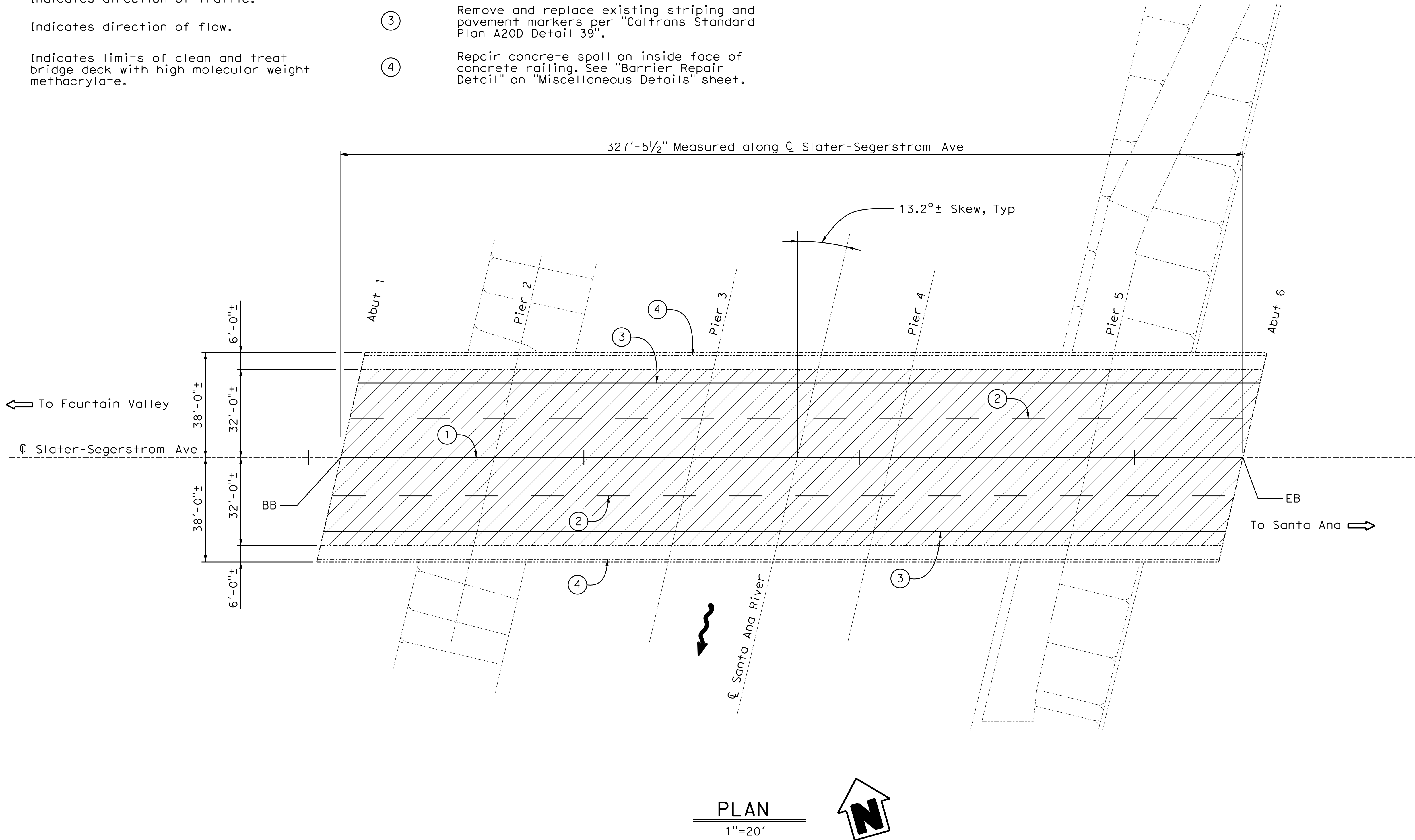
- ①

Remove and replace existing striping and
pavement markers per "Caltrans Standard
Plan A20A Detail 22".
- ②

Remove and replace existing striping and
pavement markers per "Caltrans Standard
Plan A20A Detail 9".
- ③

Remove and replace existing striping and
pavement markers per "Caltrans Standard
Plan A20D Detail 39".
- ④

Repair concrete spall on inside face of
concrete railing. See "Barrier Repair
Detail" on "Miscellaneous Details" sheet.



PLAN

1"=20'

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONTROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

NO AS BUILT CHANGES



MARK	DESCRIPTION	DATE	APPR

PREPARED UNDER THE RESPONSIBLE CHARGE OF:

REGISTERED PROFESSIONAL ENGINEER
No. 73985
Exp. 6/30/15
STATE OF CALIFORNIA

CO PHUNG

1/19/2014

DATE

DESIGNED BY: C. PHUNG	CHECKED BY: E. FRONDOSO
DRAWN BY: CP/KN	DRAWING CODE
FILE NAME:	SCALE: AS NOTED
PLOT DATE: 3/2/2014	AS NOTED
ORANGE COUNTY PUBLIC WORKS	CAPITAL PROJECTS

MAINTENANCE OF VARIOUS
BRIDGES IN ORANGE COUNTY
LOWER SANTA ANA RIVER
AREA BRIDGES - PHASE I
SLATER-SEGERSTROM
BRIDGE OVER SANTA
ANA RIVER
BR. NO. 55C-0371