CONTRACTION JOINTS: Maximum allowable spacing of unsealed joints is 20' [6.0 m] throughout the run of the barrier. Construct joints by using metal inserts inside the forms, preformed full width joint filler, a grooving tool, or by sawing. Inserts, tooled, or sawed joints will have a 3" [75] depth. Construct all joints for the full height of the barrier. Saw as soon as curing will allow to prevent spalling. When used in conjunction with concret curing will allow to prevent spalling. When used in conjunction with concrete pavement, match joints to those in the concrete pavement but not exceeding the maximum allowable spacing.

ADJOINING PAVEMENT: When the barrier is constructed in conjunction with new asphalt pavement, place it directly on the intermediate course. Construct the surface course directly against the barrier. Set barrier placed on existing pavement with a continuous wedge of surface material tapering from a l" [25] minimum thickness at the toe of the barrier to zero. For bidirectional installations construct the wedge on both sides of the barrier. For unidirectional installations, construct the wedge on the traveled way side and the width may be reduced to 12" [300] minimum.

When the barrier is constructed in conjunction with new concrete pavement, place it directly on the base material. Construct the concrete slab

against the barrier.

pole foundations.

cover (to allow sawcutting).

steel within tolerances.

Barrier may be placed on top of existing concrete pavement and doweled as shown in DOWELING DETAILS (see Sheet 2). When pavement is to be constructed on one side of the barrier only, then compacted soil on the oppo-site side must be placed against the barrier at a minimum height of 3" [75].

SEALING JOINTS: Use a butt longitudinal joint between the barrier and adjoining concrete pavement sealed with CMS 705.04 joint sealer. See detail on Sheet 2.

TRANSITIONS: Make linear transitions between different types of barrier within a 20' [6.0 m] length.

END ANCHORAGE Reinforced End Anchorages are required at the ends of and at interruptions in Concrete Barrier. When barrier does not abut another barrier run, construct the last 15' [4.5 m] using the END

ANCHORAGE Detail as shown on Sheet 2.

At expansion joints, construct an End Anchorage on both sides of joint, with a maximum gap of 2" [50] for the open joint. The maximum expansion joint spacing shall be 800' [250 m].

If the barrier abuts barrier shown on other SCD's or plans (such as

another barrier Type, Transititions, End Sections or (niets), then carry all horizontal rebar through a permissible construction joint to continuously reinforce abutting barrier (unless joint is otherwise detailed in the plan), End Anchorages are not needed.

Base may be constructed with permissible construction joint (PCJ).

STATION MARKINGS. Impress markings in the "green" concrete on both sides at the top of the barrier. The cost is incidental to the unit cost bid for this barrier.

RACEWAY! Locate as shown on in RACEWAY PLACEMENT Detail, unless otherwise directed by the Engineer. Ensure that the electrical raceway is clear of obstructions.

Cost of the 4" [100] polyvinyl chloride raceway is included where shown on the plans. The cost for additional raceways and No. 10 AWG copperclad or aluminum-clad wire is also included where shown on the plans for future installation of circuits.

PAYMENT will be made at the unit price bid per Foot [Meter] for Item 622 -Concrete Barrier, Single Slope, Type ____ . Include all materials, labor, raceways, dowel holes, markings and other incidentals necessary to construct the barrier, and any end anchorages, except as follows:

Itom 604 Barrier Median Inlet Item 625 Light Pole Foundation or Pulibox Item 630 Overhead Sign Support Foundation Item 630 Barrier Wall Assembly

20 ft. [6 meters] 3 ft. [| meter] 10 ft. [3 meters] 10 ft. [3 meters].

24" [600] [200] 8" [200] 8" [200] -#5 [#I6M] horizontal rebars (Typ. of 9). [1050] -Concrete 📝 3 Pavement (See Plans for thickness) See JOINT SEAL Detail (Typ.) on Sheet 2 -Base Material

TYPE A (SHOWN WITH NEW CONCRETE PAVEMENT)

29¾" [750]

10 1/8" [275]

See ALTERNATE

TOE Detail (Typ.)

on Sheet 2

8" '[200]

10 1/8" [275]

-#5 [#I6M] horizontal

Surface

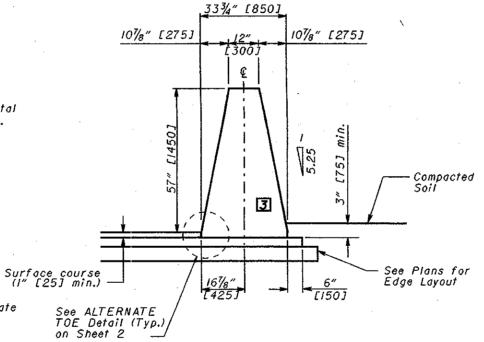
Intermediate

and base

courses

min.)

rebars (Typ. of II).



59" **2**

[700]

3

23501

TYPE B

(SHOWN WITH EXISTING PAVENENT)

8" [200]

Overlay

(I" [25] min.)

— Existing Pavement 🛚

See ALTERNATE TOE Detail on Sheet 2

[/500]

8" [200]

TYPE AI (SHOWN WITH NEW ASPHALT PAVEMENT)

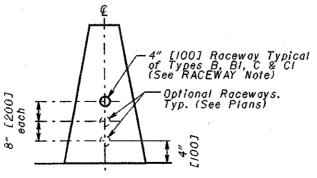
3

TYPE BI (SHOWN WITH PAVEMENT ON ONE SIDE ONLY)

See Sheet 2 for Types C and Cl.

LEGEND

- See DOWELING DETAILS on Sheet 2 for alternate construction with concrete pavement.
- 2 See ADJOINING PAVEMENT Note.
- 3 Longitudinal (horizontal) steel rebar is required only on the narrower barriers, Types A and Al. It is not detailed on Types B, BI, C and CI.



RACEWAY PLACEMENT

10-21-97. BARRII AI, BI. DATED SLOPE SLOPE B, C, RM NDARD ROAD SINGLE YPES A. REPLACES

DRAWING

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