

Item Pay Limit

Curve Data
 $\Delta = 34^\circ 35' 37''$
 $R = 6' - 7\frac{1}{2}''$
 $L_c = 4' - 0''$

Dimensions and Sections:
 2-Std. Sect.=25'-0"
 12'-6" Dbl. nested W-Beam (Top Rail Only)
 2-Std. Sect.=25'-0"
 Transition Section See (Std. Det. TE-54)

Spacing and Components:
 4"-1'-0 $\frac{3}{4}$ "
 4-spcs. @ 1'-6 $\frac{3}{4}$ "=6'-3"
 4-spcs. @ 3'-1 $\frac{1}{2}$ "=12'-6"
 3-spcs. @ 6'-3"=18'-9"
 2-spcs. @ 6'-3"=12'-6"

Annotations:
 P.C. (Radius to ϕ of post)
 Ref- front face of exist. end post
 4'-0" Existing sidewalk at makai side of bridge only.
 1/2" premolded jt. filler. See Detail. B 12
 3'-5 $\frac{3}{4}$ "
 7 1/4"
 Metal guardrail ϕ rubrail.
 1'-7"
 2'-6"
 Ref. line and 5/8" ϕ H.S. Anchor bolt
 Concrete support block. See Details.
 Match ϕ Align ramp with existing sidewalk.
 Exist. sidewalk to remain
 Length Varies to Existing Grade
 New concrete vehicle ramp
 ϕ Drilled through holes and anchor bolts. See "Concrete Support Block Detail"
 ϕ Post bolt (typ.)
 Attach rail to rear of post with galvanized 5.8" ϕ x 4 long bolt with nut ϕ washer.
 End rubrail
 Provide flat bar (perpendicular) to accommodate ca

Note:
 1. For additional Guardrail Notes and Details, See sheet 10.

PLAN
 Not to scale

See Guardrail Schedule for Length and End Treatment

Rear face of exist. conc. end post.

ϕ 1" ϕ drilled holes for 7/8" ϕ H.S. anchor bolts w/ cap PL, washers and nut. See sheet 10 for detail ϕ Notes.

Exist. sidewalk

New conc. ramp

1/2" premolded jt. filler

1/2"

Ref. line and 2-Drilled holes for 5/8" H.S. anchor bolts. See "Concrete Support Block Detail"

A
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Drill and grout 4" Reinforcing bar 6" min. into exist. concrete

1/2"

2" 4" 4"

Conc.

Provide sleeve for anchor bolts thru grout filled area. Inside diameter of sleeve shall be the same as that of the drilled hole. Cut sleeve ends to match flush with abutting faces.

CONCRETE SUPPORT BLOCK

DETAIL A

8-Drilled holes ϕ H.S. Anchor bolts. See "Concrete Support Block Detail" for size ϕ spacing.

3'-5 3/4" 1'-6 3/4" See "Plan" above for Post Layout

1'-7" 2'-6" 7 1/4"

ϕ metal post bolts

2'-3 1/4" 3 1/2" 1'-2" 2'-0" 10"

ϕ metal guardrail and conc. support block.

ϕ Rubrail

Ref.- top of ramp.

5% Slope *

Match grade

8" \pm Conc. support block

1/2" premolded jt. filler

Match grade

12" Min.

Length Varies to Existing Grade

Remove and construction new concrete vehicle ramp or construction new ramp

DETAIL B

Varies from 1/2" to 17" see "Conc. Support Block Detail" above.

Ref. front face of exist. conc. end post

6" min., drill and grout rebar into exist. conc.

Exist. conc. end

3-#4

ϕ Drilled See "Conc. Support Block Detail" above for

Double (Nested) W-Beams with terminal connection.

2'-3 1/4" 3 1/2"

Top of exist. conc. sidewalk

ϕ Rubrail with terminal connector.

12" min. below roadway or shoulder grade, whichever is lower

1/2" premolded jt. filler

* Or as Directed by the Engineer

Ramp varies. See "Elevation".

Fin. roadway grade.

ELEVATION SECTION A
Not to scale *Not to scale* 12

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ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
NOTE BOOK BRCON2 N.	DRAWN BY _____	LM	Mar. 1993
	TRACED BY _____	TS	Mar. 1993
	DESIGNED BY _____	TS	Mar. 1993
	QUANTITIES BY _____	MS	Mar. 1993
	CHECKED BY _____	MS	Mar. 1993