If beam guard rail is attached, twist guard rail or modify attachment to suit 1½:12 face slope. (See Std. Sheet C-7 for guard rail attachment.)

Std. Date Numerals (No date panel) on right of approaching traffic

Striated Exterior Surface (Striations not shown)

℄ End of Slab

1'-8½"

3'-9" Min. ~ 4'-9" Max.

℄ Date Numerals

2 (R5) #6

10"

2'-5"

℄ Guard Rail Attachment

1'-4"

3"

℄ Date Numerals

Field Bend as Req'd.

Stub out & Cap 1' Min. below grade

(R2) #4 & (R6) #6 @ 1'-4"

1'-4"

(R1) #6 @ 8"

* Conduit where indicated on "Layout" Sheet

Max. 6" Min. 2"

(S1) #6 @ 8" & (S2) #4 @ 1'-4"

END VIEW

OUTSIDE ELEVATION

TRAFFIC RAILING END DETAIL

* Conduit not applicable to this contract.

End of Slab

Traffic Railing Joints ~ 13 Spa. @ 8'-0" = 104'-0" (Typ.)

End of Slab

5½" R.

(R5) #6

Curb Line

(R4) #6

Field Bend as Req'd.

11"

Striated Exterior Surface (Striations Normal to Grade)

8"

4"

(S2) #4, (R2) #4 & (R6) #4 ~ 5 Spa. @ 1'-4" = 6'-8"

(S1) #6 & (R1) #6 ~ 11 Spa. @ 8" = 7'-4"

8"

4"

"A"

"A"

Top Edge of Rdwy. Slab.

End Section: 8'-0" (Typ.)

Typical Interior Section: 8'-0"

PLAN ~ TRAFFIC RAILING

"B"

Joints Normal To Grade

"B"

VIEW "A-A"

All Chamfers ¾".

9½"

9"

12

18

¾" Chamfer (Typ.)

5" Curb Line

1½ Clr

(R5) #6 or (R4) #6

(R1) #6 @ 8"

(R2) #4 @ 1'-4"

1½ Clr

(R3) #4

10 Rad.

11"

2" Rad.

10"

Top of Conc. Rdwy. Slab

2½" R.

Constr. Jt. (Level Transv.) with roughened surface.

2 Rows 6d Galv. Nails @ 8" ctrs.

½" Expanded Polystyrene

4½"

10⅜"

(S1) #6 @ 8"

⅛" Clr

7⅛"

⅛" Clr

(5) ⅛" R.

(S2) #4 @ 1'-4"

Transverse Slab Reinf. See other plans.

TYPICAL SECTION ~ TRAFFIC RAILING

2

2

2

2

2

Expansion Joint Seal ~ Nominal Size 1"x⅝"x1'-3" ~ Use cement type lubricant to install.

Poured Rubber Joint Filler over hatched area. (Slope to drain).

Thoroughly clean & dry concrete surfaces before pouring rubber.

2" Min.

SECTION "B-B"

¼" Open Joint

Joint Seal where shown.

SECTION 2-2

⅜" Rad.

Fiberglass & Resin Form Liner. (Full length of Traffic Railing).

Form

⅜" Rad.

TRAFFIC RAILING EXTERIOR FACE TREATMENT

(See Special Provisions.)

Slight deviations From the dimensions shown are permissible, subject to the approval of the Engineer.

Harry D. Martin

APPROXIMATE QUANTITIES ~ TRAFFIC RAILING

Class AX Concrete	0.100	Cu. Yds / Lin. Ft.	Wt. = 427 Lbs. / Lin. Ft.
Steel Reinf. Bars	18.3	Lbs. / Lin. Ft.	Bars R1 to R6
Steel Reinf. Bars	5.7	Lbs. / Lin. Ft.	Bars S1 & S2

TRAFFIC RAILING BAR LIST

All reinforcing shall be A.S.T.M. A-615, Gr. 40.

MARK	SIZE	LENGTH	
R1	6	3'-8"	
R2	4	2'-9"	
R3	4	7'-9" △	Str.
R4	6	7'-9" △	Str.
R5	6	(a)	
R6	4	3'-1"	Str.
S1	6	2'-6½"	
S2	4	3'-5½"	

BENDING DIAGRAM (All dimensions are out to out.)

(R1) 12, 2'-7, 6, 4", 1'-0"

6½", 97°, 2'-3½", (R2)

As Reqd., (R5), 2'-11", 12, 8⅜"

10", Top of Deck?, (S2), 96°, 2'-0"

6", 1'-1½", (S1), 8⅛", 6, 12, 6"

△ Shown for Typ. Interior Section. Vary as reqd. for non-typical sections or end sections.

(a) Determine from Plans.

SNOHOMISH COUNTY ROAD PROJECT No. 72-1-43.

PORTAGE CREEK BRIDGE # 247

TRAFFIC RAILING

APPROVED: Harry D. Martin, SNOHOMISH COUNTY ENGINEER

E. Ray Rust, CHAIRMAN BOARD COUNTY COMMISSIONERS

FILE No. Bridge 247 DATE July 1972 SHEET 2 OF 3

CONVENIENCE COPY

SY OLD 39 JOB NO. 00545 SHEET 3

DATE | REVISION | BY | APP'D | DATE

Traffic Railing 5-72 | Quantities 5-72 | Bar List 5-72 | Details 4-72 | Layout 4-72

Design by J.T. Anspach | Detailed by R.L. Smith | Quantities by G.D. Oleary | Checked by | Traced by | Quantities Checked by | Bar List Checked by | Quantities Typed by | Bar List Typed by