

BEARING PLATE DETAIL

HOLE SPACING DETAIL

NEW JERSEY SAFETY SHAPE DETAIL

SLOT DETAIL

ISOMETRIC VIEW

SECTION A-A

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	7-78		6	1-91	GB	11	12-02
2	6-80		7	12-92	MSM	12	12-04
3	1-82		8	4-94	MSM	13	10-10
4	5-82		9	2-96	MSM	14	10-13
5	7-88	GB	10	5-99	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: g2c_1113.dgn
 DRAWING DATE: AUGUST, 1977

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: TOM COLE
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING

CONCRETE PARAPET TO THRIE BEAM GUARDRAIL CONNECTOR

REQUIRES SHEET 2 OF 2 & STD. DWG. G-1-E

English

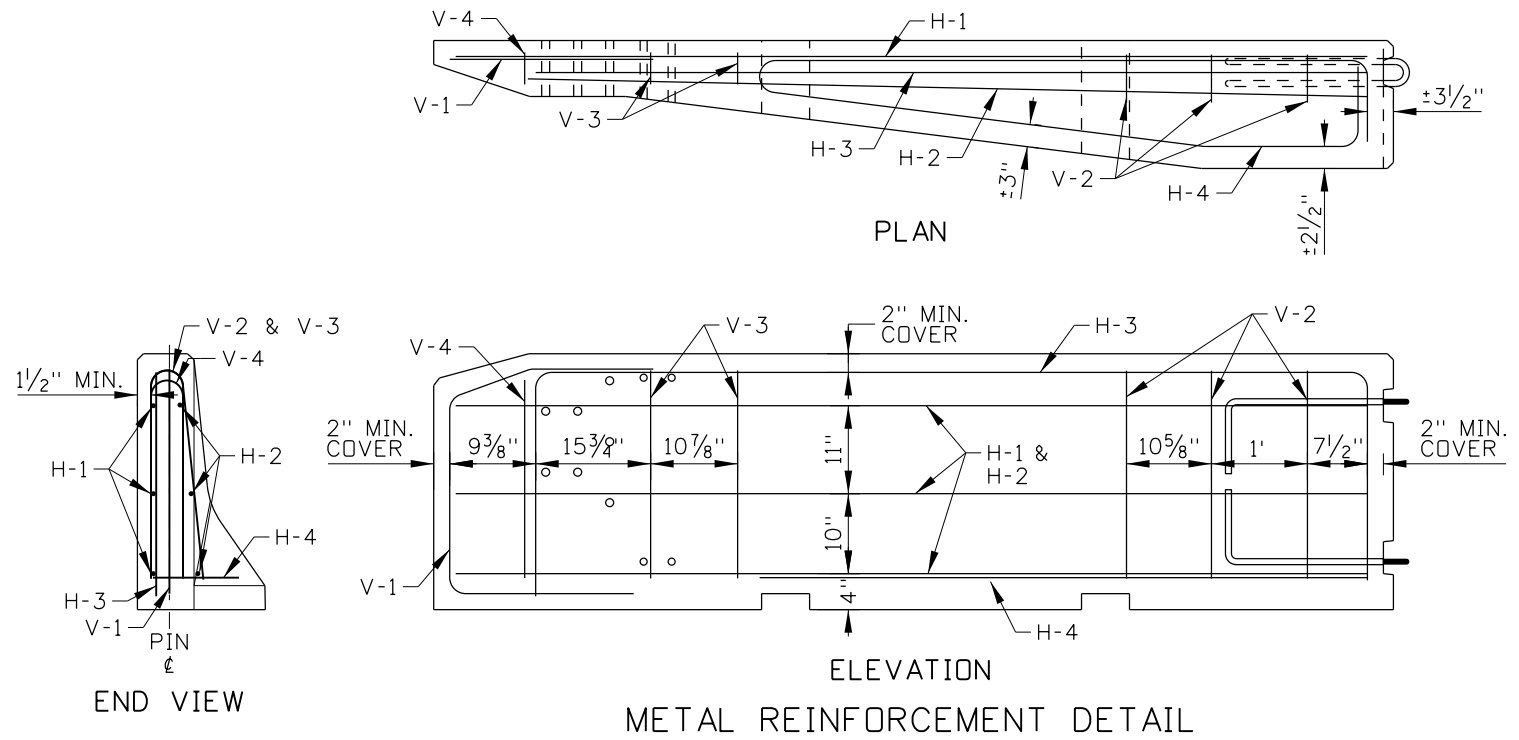
STANDARD DRAWING NO.
G-2-C

SHEET 1 OF 2

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

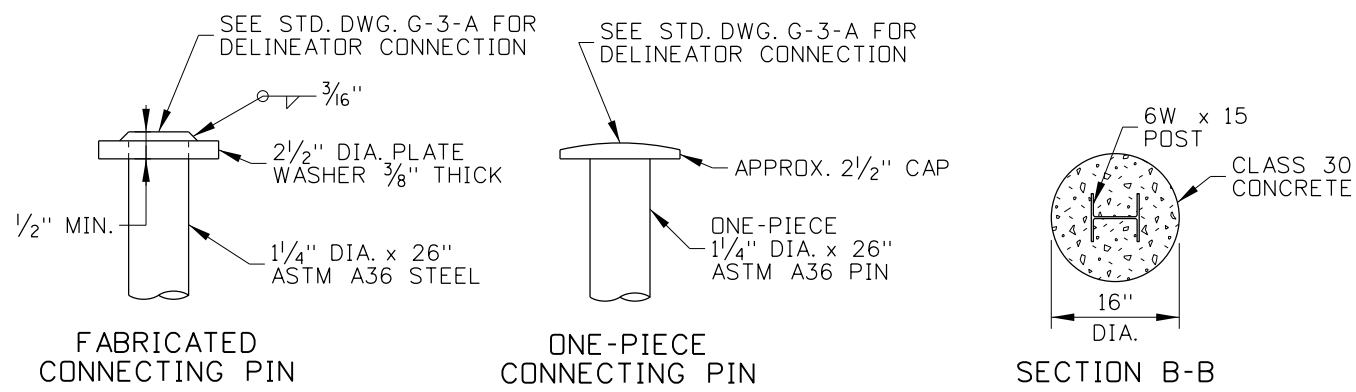
ORIGINAL SIGNED BY: RYAN D. LANCASTER
 DATE ORIGINAL SIGNED: NOVEMBER 6, 2013

REINFORCING STEEL TABLE (SEE NOTE NOS. 2 & 3)					
MARK	LOCATION	BAR SIZE	NUMBER OF BARS	BAR LENGTH	SKETCH
H-1	HORIZONTAL IN BARRIER - TIED TO INSIDE BACK OF V-2, V-3, & V-4 BARS	NO. 5	3	9'-6"	
H-2	HORIZONTAL IN BARRIER - TIED TO INSIDE FRONT OF V-2, V-3, & V-4 BARS	NO. 5	3	8'-9"	
H-3	TIED UNDER V-2, V-3 AND V-4 AND SET BETWEEN STEEL LOOP BARS. TOP TIED ON V-1.	NO. 5	1	13'-0"	
H-4	HORIZONTAL IN BARRIER BASE - FRONT END TIED TO V-1 BOTTOM	NO. 5	1	14'-6"	
V-1	VERTICAL IN BARRIER END - TIED TO H-3 AND TOP OF LOOP V-4	NO. 5	1	6'-0"	
V-2	VERTICAL IN BARRIER - AT TRAILING END	NO. 5	3	4'-9"	
V-3	VERTICAL IN BARRIER	NO. 5	2	4'-8"	
V-4	VERTICAL IN BARRIER AT APPROACHING END OF BARRIER	NO. 5	1	4'-6"	



NOTES

- CONNECTOR MAY BE PRECAST AS SHOWN OR AS A MIRROR IMAGE FOR USE WITH TRAFFIC TRAVELING IN THE OPPOSITE DIRECTION.
- PRECAST USING CONCRETE CLASS 40A. ENSURE THAT REINFORCING STEEL IS IN ACCORDANCE WITH SECTION 708 - METALS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. PROVIDE 2" MINIMUM CONCRETE COVER OVER REINFORCING STEEL UNLESS OTHERWISE NOTED.
- ENSURE THAT REINFORCING STEEL BENDS ARE MADE IN ACCORDANCE WITH THE LATEST A.C.I. STANDARD PRACTICES AND AASHTO SPECIFICATIONS.
- THE DIMENSIONS SHOWN IN THE REINFORCING STEEL TABLE ARE MEASURED FROM OUTSIDE-TO-OUTSIDE (O. TO O.) OF BENDS OR BAR ENDS. THE DIMENSIONS SHOWN ON THE METAL REINFORCEMENT DETAIL ARE MEASURED FROM CENTER OF BAR TO CENTER OF BAR.
- ANCHOR THE CONNECTOR WITH THE ATTACHMENT POST AND CONNECT TO A BRIDGE PARAPET USING A CONNECTING PIN.
- WHEN CONNECTING TO AN EXISTING BRIDGE PARAPET, THE EXPOSED STEEL LOOP BARS MAY NEED TO BE BENT (MECHANICALLY, NOT WITH HEAT) TO FIT.
- PROVIDE CAP SCREWS IN ACCORDANCE WITH ASTM A325. ENSURE THAT INSERTS AND CAP SCREWS ARE GALVANIZED.
- PROVIDE THRIE BEAM GUARDRAIL IN ACCORDANCE WITH STANDARD DRAWING G-1-A-5 AND GUARDRAIL TERMINAL TYPE 3 IN ACCORDANCE WITH STANDARD DRAWING G-1-E.
- NOT TO SCALE.



CONNECTING PIN DETAIL
(SEE NOTE NO. 5)

POST ENCASEMENT DETAIL

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY: RYAN D. LANCASTER
DATE ORIGINAL SIGNED: NOVEMBER 6, 2013

REVISIONS								SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY		IDAHO TRANSPORTATION DEPARTMENT 	STANDARD DRAWING		English STANDARD DRAWING NO. G-2-C SHEET 2 OF 2
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	ORIGINAL SIGNED BY: TOM COLE HIGHWAYS PROGRAM OVERSIGHT ENGINEER		CONCRETE PARAPET TO THRIE BEAM GUARDRAIL CONNECTOR		
1	7-78		6	1-91	GB	11	12-02	MSM	ORIGINAL SIGNED BY: TOM COLE CHIEF ENGINEER	REQUIRES SHEET 1 OF 2 & STD. DWG. G-1-E			
2	6-80		7	12-92	MSM	12	12-04	MSM					
3	1-82		8	4-94	MSM	13	10-10	PLR					
4	5-82		9	2-96	MSM	14	10-13	RDL					
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