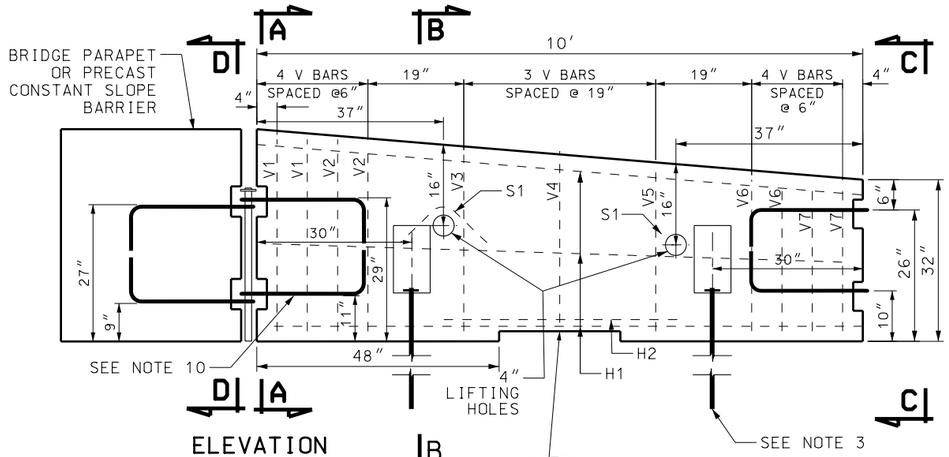
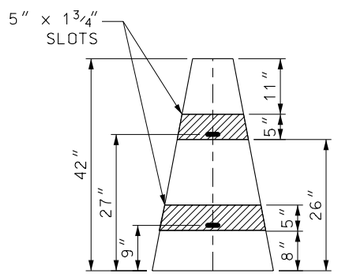
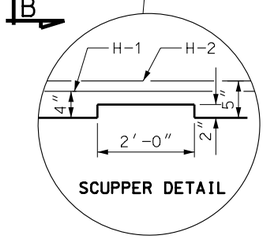


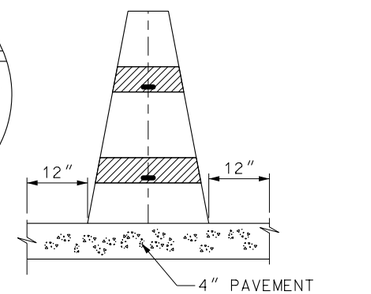
ELEVATION

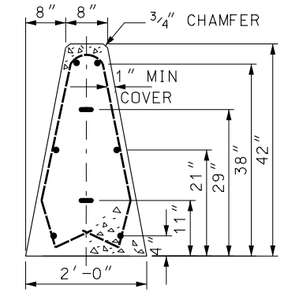


SECTION D-D

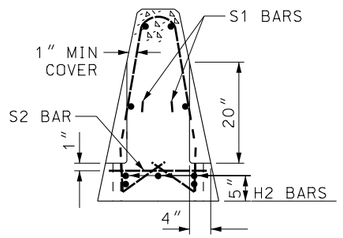


SCUPPER DETAIL

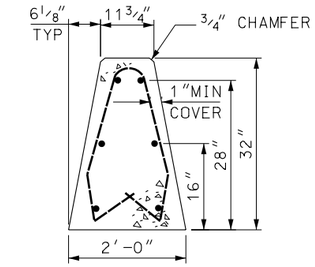




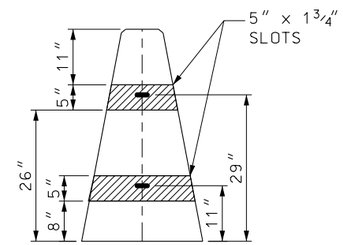
SECTION A-A



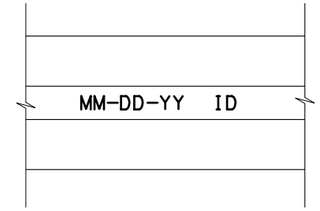
SECTION B-B



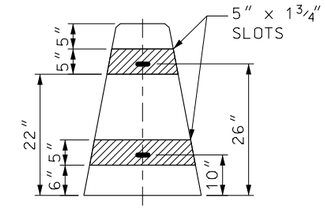
SECTION C-C



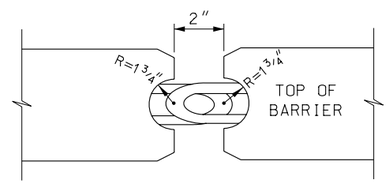
SLOT DETAIL
SECTION A-A



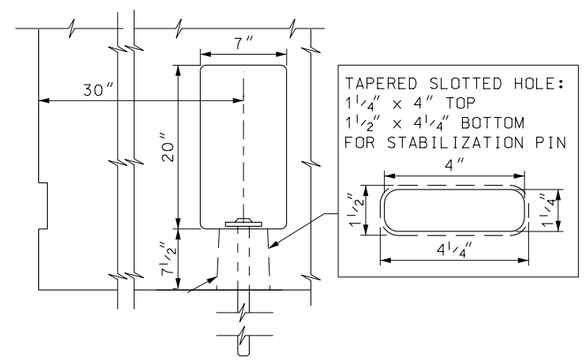
BARRIER MARKINGS
SEE NOTE 6



SLOT DETAIL
SECTION C-C



PIN ACCESS DETAIL

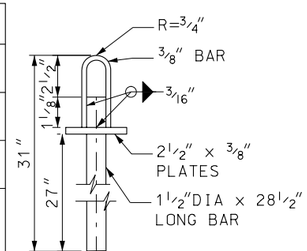


BARRIER STABILIZATION SLOT DETAIL

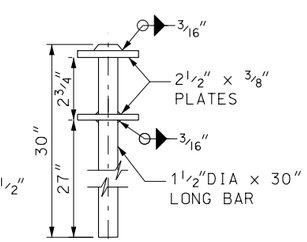
STEEL REINFORCEMENT TABLE

MARK	BAR SIZE	NO. OF BARS	SKETCH
H1	#5	(6) RUN THROUGH LENGTH OF BARRIER	9'-1"
H2	#5	(3) BARS CENTERED OVER SCUPPER	4'-4"
S1	#4	(2) 2 BARS CENTERED OVER EACH LIFTING HOLE	3⅜"R, 2'-5", 90°, 1" COVER
S2	#4	(2) BARS CENTERED 1" BELOW TOP OF STABILIZATION PIN SLOTS	1½"R, SLOTS, 7", 1'-6", 1" MIN CLEAR TO BAR

		#		D	
V1	#5	2	(11) BARS PLACED AS PER ELEVATION DETAIL	38"	2¼"R, D, 7", 15", 9¼"
V2	#5	2		37"	
V3	#5	1		35"	
V4	#5	1		34"	
V5	#5	1		33"	
V6	#5	2		30"	
V7	#5	2		29"	

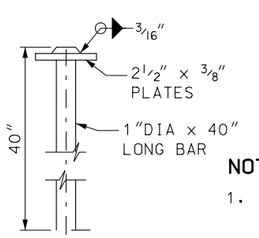


OPTION 1

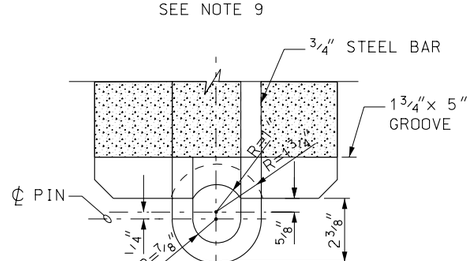


OPTION 2

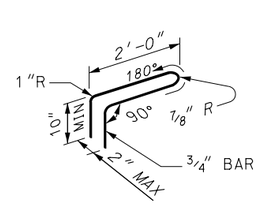
GALVANIZED CONNECTION PIN
SEE NOTE 9



GALVANIZED STABILIZATION PIN
SEE NOTE 9



LOOP DETAIL



GALVANIZED STEEL BAR

CONNECTION DETAILS

NOTES:

1. TRANSITION SECTION REQUIRED WHEN A CRASH CUSHION OR W-BEAM GUARDRAIL TRANSITION IS REQUIRED ON A CONSTANT SLOPE BRIDGE PARAPET.
2. PROVIDE 4" OF PAVEMENT OR NON-PERMEABLE MATERIAL 1' IN FRONT OF AND 1' ON BOTH SIDES OF TRANSITION SECTION. PLACE TRANSITION SECTION ON TOP OF FINAL PAVEMENT COURSE.
3. ALL APPLICATIONS REQUIRE THE INSTALLATION OF STABILIZATION PINS AND CONNECTION PINS. PRE DRILL 1" HOLE THROUGH PAVEMENT SURFACE PRIOR TO INSTALLING STABILIZATION PINS.
4. USE A 4" WHITE PVC SLEEVE TO FORM THE LIFTING HOLES. LEAVE SLEEVE IN PLACE AFTER CASTING.
5. PLACE AN ADEQUATE AMOUNT OF SILICONE ADHESIVE ON BOTTOM OF WASHER BEFORE INSERTING PIN TO HOLD IN PLACE AND PREVENT EASY HAND REMOVAL.
6. MARK EACH TRANSITION SECTION WITH 1½" NUMBERS INDICATING THE DATE OF CASTING AND IDENTIFICATION NUMBER SUPPLIED BY THE INSPECTOR, IMPRESSED¼" DEEP INTO THE TOP CENTER OF THE BARRIER.
7. USE COATED REINFORCEMENT STEEL.
8. USE CLASS AA(AE) CONCRETE.
9. USE OF A HOT FORGED HEAD, MEETING PLATE SIZE AND THICKNESS IS ACCEPTABLE IN PLACE OF A WELDED PLATE.
10. INSTALL TYPE X JOINT CONNECTION AS PER STD DWG BA 3C WHEN ATTACHING TRANSITION SECTION TO PRE-CAST CONSTANT SLOPE BARRIER.

REVISIONS

NO.	DATE	APPR.	REMARKS
1	02/24/05	G.S.	NEW DRAWING.
2	08-25-05	G.S.	ADDED NOTE 9. CORRECTED CONNECTION PIN OPTION 1 DIMENSIONS. CHANGED WELDING INFORMATION ON PIN DETAIL.
3	11/30/06	G.S.	ADDED NOTE 10.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — NOV. 30, 2006 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — NOV. 30, 2006 DATE
DEPUTY DIRECTOR

STANDARD DRAWING TITLE
PRECAST CONCRETE CONSTANT SLOPE TRANSITION SECTION FOR CRASH CUSHION AND W-BEAM GUARDRAIL

STD DWG
BA 3B

DGN File:L:\Standard Drawings\Imperial\2005Approved\ChangeBApproved\BA03B.dgn
18-DEC-2006