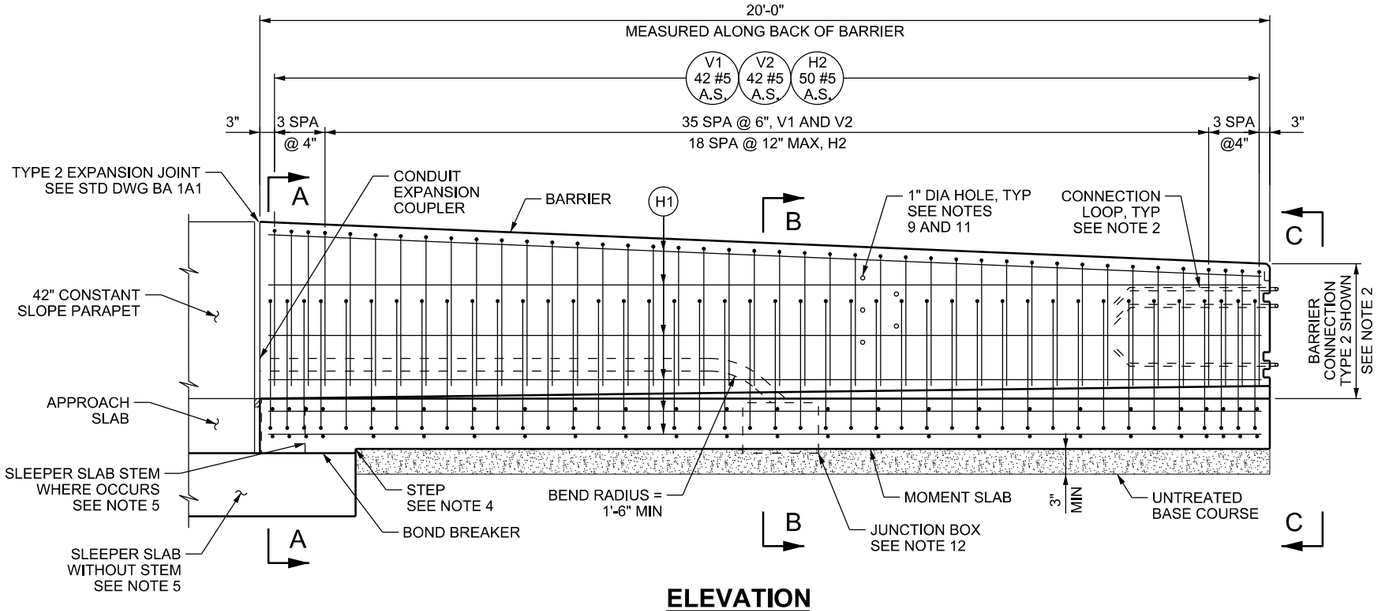
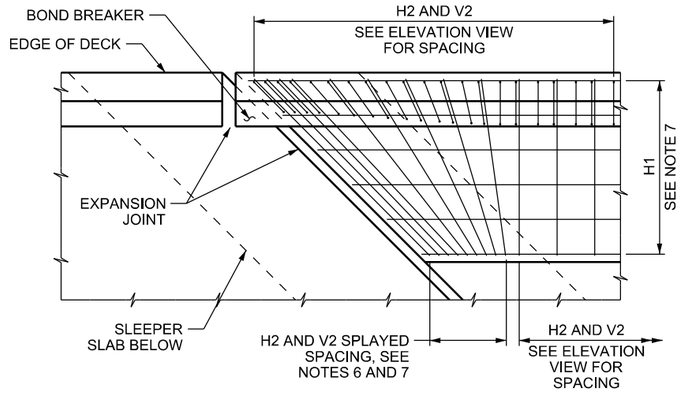


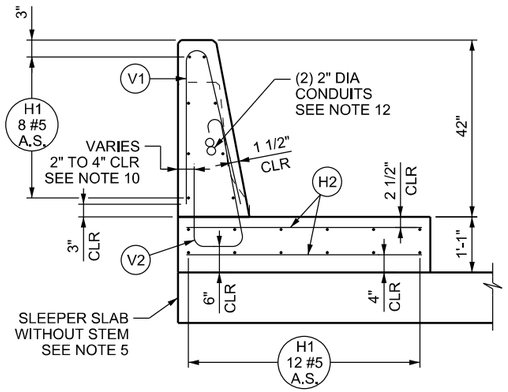
ELEVATION



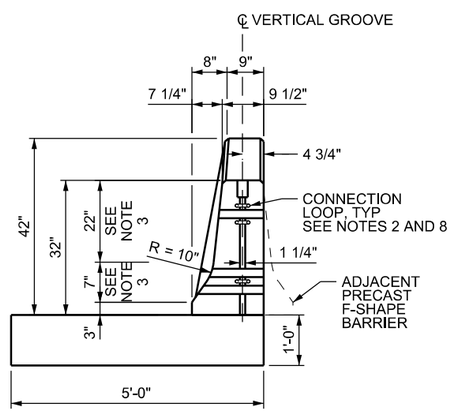
PARTIAL PLAN AT TYPICL SKEWED APPROACH SLAB

BARRIER REINFORCEMENT NOT SHOWN FOR CLARITY
BRIDGE SKEW OF 45 DEGREES SHOWN, SEE NOTES 6 AND 7
DO NOT SPLAY BARRIER REINFORCEMENT

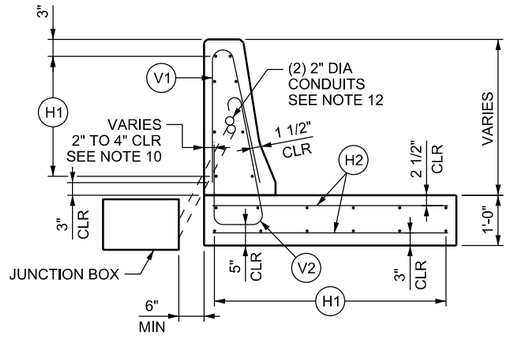
BAR MARK	BAR SIZE	NO. BARS	LOCATION	SKETCH
H1	#5	20	HORIZONTAL IN BARRIER AND LONGITUDINAL IN MOMENT SLAB	19'-6" SEE NOTE 7
H2	#5	50	TRANSVERSE IN MOMENT SLAB	4'-8" SEE NOTE 7
V1	#5	42	VERTICAL IN BARRIER	H / W / QTY: 36 1/2" / 13" / 2; 36" / 13" / 2; 35 1/2" / 12 1/2" / 2; 35" / 12 1/2" / 2; 34 1/2" / 12 1/2" / 2; 34" / 12" / 2; 33 1/2" / 12" / 2; 33" / 12" / 2; 32 1/2" / 12" / 2; 32" / 11 1/2" / 2; 31 1/2" / 11 1/2" / 2; 31" / 11 1/2" / 2; 30 1/2" / 11" / 2; 30" / 11" / 2; 29 1/2" / 11" / 2; 29" / 10 1/2" / 2; 28 1/2" / 10 1/2" / 2; 28" / 10 1/2" / 2; 27 1/2" / 10 1/2" / 2; 27" / 10" / 2; 26 1/2" / 10" / 2
V2	#5	42	VERTICAL IN MOMENT SLAB TOTAL LENGTH = 5'-9"	180° STD HOOK; 1'-6"; 79°; 1'-0"; 2'-8"



SECTION A-A



VIEW C-C



SECTION B-B

NOTES

1. SEE STD DWG BA 1A1 FOR GENERAL NOTES.
2. SEE "F-SHAPE BARRIER CONNECTION DETAILS" ON STD DWG BA 1A2 FOR F-SHAPE CONNECTION LOOP AND CONNECTION PIN DETAILS. USE APPROPRIATE BARRIER CONNECTION THAT CORRESPONDS WITH ADJACENT PRECAST BARRIER.
3. MEASURED TO INTERSECTION OF BARRIER SLOPES.
4. STEP BOTTOM OF MOMENT SLAB AT A 45° ANGLE TO MATCH TOP OF SLEEPER SLAB.
5. OMIT THE CONFLICTING MOMENT SLAB AND BUNDLE DISPLACED H2 AND V2 BARS WITH THE NEAREST BARS IF SLEEPER SLAB STEM IS PRESENT. USE TWO BARS MAX PER BUNDLE. PLACE BOND BREAKER BETWEEN TOP OF STEM OR DECK AND BARRIER.
6. SPLAY H2 BARS WHEN MOMENT SLAB MEETS SKEWED APPROACH OR SLEEPER SLAB. USE SPACING OF 3 INCH MINIMUM AND 18 INCH MAXIMUM TO ACCOMMODATE VARYING SKEWS.
7. H1 AND H2 BAR LENGTHS PROVIDED ARE BASED UPON A MOMENT SLAB WITH NO SKEW. INCREASE OR DECREASE H1 AND H2 BAR LENGTHS AS NEEDED TO PROVIDE 2 INCH CLEAR COVER AT END OF BAR.
8. FIELD TRIM OR BEND HOOKS OF V2 BARS THAT ARE IN CONFLICT WITH CONNECTION LOOPS.
9. SEE STD DWG BA 1F2, BA 1F3, AND BA 1F4 FOR THRIE-BEAM CONNECTION LOCATION AND REQUIREMENTS.
10. ALIGN V2 BAR WITH V1 BAR NEAR SLOPED FACE OF BARRIER AS FACE OF BARRIER TRANSITIONS.
11. CORE DRILL 1 INCH DIAMETER HOLE. DO NOT USE A ROTARY PERCUSSION DRILL.
12. FIELD VERIFY CONDUIT IN EXISTING PARAPET AND ADJUST CONDUIT SIZE AND QUANTITY IN TRANSITION AS NEEDED. CONDUIT TO EXIT BARRIER AT APPROXIMATELY MID-POINT OF TRANSITION AND TERMINATE IN JUNCTION BOX AS SHOWN.

SUPPLEMENTAL DRAWING

NO.	DATE	APPR.	REMARKS
1	04/30/20	SDD	NEW DRAWING.

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

APR. 30, 2020 DATE
RECOMMENDED FOR APPROVAL
DEPUTY DIRECTOR

APR. 30, 2020 DATE
CHAIRMAN STANDARDS COMMITTEE
APPROVED

42 INCH CONSTANT SLOPE PARAPET, 32 INCH F-SHAPE BARRIER TRANSITION - WITH MOMENT SLAB
STANDARD DRAWING TITLE

STD. DWG. NO.
BA 2C2A

DGN File:L:\Standard_Drawings\Imperial\2017 Approved_Supplemental_Issues\Suppl3 Approved April - 2020\Backup\BA02C2A.dgn
06-MAY-2020