

# ADOT STANDARD DRAWINGS

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	-----	1D	---	-----

## STRUCTURES - 1992

REVISION DATE	STANDARD NUMBER	SUBJECT
<b>REINFORCED CONCRETE BOX CULVERTS</b>		
4/92	B-01.10	MISCELLANEOUS DETAILS FOR STANDARD BOX CULVERTS
4/92	B-01.11	BOX CULVERT EXTENSION DETAILS
7/88	B-02.10	SINGLE BARREL BOX CULVERT
4/92	B-02.20	DOUBLE BARREL BOX CULVERT
7/88	B-02.25	DOUBLE BARREL BOX CULVERT
4/92	B-02.30	TRIPLE BARREL BOX CULVERT
7/88	B-02.35	TRIPLE BARREL BOX CULVERT
4/92	B-02.40	FOUR BARREL BOX CULVERT
7/88	B-02.45	FOUR BARREL BOX CULVERT
4/92	B-02.50	FIVE BARREL BOX CULVERT
7/88	B-02.55	FIVE BARREL BOX CULVERT
4/92	B-02.60	SIX BARREL BOX CULVERT
7/88	B-02.65	SIX BARREL BOX CULVERT
7/88	B-02.70	CULVERT QUANTITIES
7/88	B-03.10	16' X 14' EQUIPMENT PASS
7/88	B-04.10	OUTLET WINGS, CULVERT HEIGHT 3' TO 7', SKEW 0° TO 20°
7/88	B-04.20	OUTLET WINGS, CULVERT HEIGHT 8' TO 12', SKEW 0° TO 20°
7/88	B-04.30	INLET WINGS, CULVERT HEIGHT 3' TO 7', SKEW 0° TO 20°
4/92	B-04.40	INLET WINGS, CULVERT HEIGHT 3' TO 12', SKEW 0° TO 20°
7/88	B-04.50	OUTLET WINGS, CULVERT HEIGHT 3' TO 7', SKEW 25° TO 45°
7/88	B-04.60	OUTLET WINGS, CULVERT HEIGHT 8' TO 12', SKEW 25° TO 45°
7/88	B-04.70	INLET WINGS, CULVERT HEIGHT 3' TO 7', SKEW 25° TO 45°
7/88	B-04.80	INLET WINGS, CULVERT HEIGHT 8' TO 12', SKEW 25° TO 45°
7/88	B-05.10	HEADWALL QUANTITIES, 2:1 SLOPE
7/88	B-05.20	HEADWALL QUANTITIES, 4:1 SLOPE
7/88	B-05.30	HEADWALL QUANTITIES, 6:1 SLOPE
4/92	B-06.10	OUTLET APRON DETAIL
7/88	B-06.20	OUTLET APRON DIMENSIONS & QUANTITIES, 2:1 SLOPE
7/88	B-06.30	OUTLET APRON DIMENSIONS & QUANTITIES, 4:1 SLOPE
7/88	B-06.40	OUTLET APRON DIMENSIONS & QUANTITIES, 6:1 SLOPE
7/76	B-08.10	INLET OR OUTLET LEVEL WINGS, HEIGHT 3' TO 7'
7/76	B-08.20	INLET OR OUTLET LEVEL WINGS, HEIGHT 8' TO 12'
<b>REINFORCED CONCRETE HEADWALLS FOR PIPE CULVERTS</b>		
4/92	B-11.10	PIPE CULVERT HEADWALLS, MISCELLANEOUS DETAILS
4/92	B-11.11	INLET AND OUTLET HEADWALLS, 18" TO 42" PIPES
4/92	B-11.12	INLET AND OUTLET HEADWALLS, RIGHT ANGLE PIPE CULVERTS, 48" TO 84" PIPES
4/92	B-11.13	INLET AND OUTLET HEADWALLS, SKEWED PIPE CULVERTS, 48" TO 84" PIPES
4/92	B-11.14	MULTIPIPE HEADWALLS, 48" TO 84" PIPES
4/92	B-12.10	INLET HEADWALLS, RIGHT ANGLE PIPE CULVERT
4/92	B-12.20	INLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 2:1 SLOPE
4/92	B-12.30	INLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 4:1 SLOPE
4/92	B-12.40	INLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 6:1 SLOPE
4/92	B-12.50	OUTLET HEADWALLS, RIGHT ANGLE PIPE CULVERT
4/92	B-12.60	OUTLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 2:1 SLOPE
4/92	B-12.70	OUTLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 4:1 SLOPE
4/92	B-12.80	OUTLET HEADWALLS, RIGHT ANGLE PIPE CULVERT, 6:1 SLOPE
4/92	B-13.10	INLET HEADWALLS, 15° SKEW PIPE CULVERT
4/92	B-13.20	INLET HEADWALLS, 15° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-13.30	INLET HEADWALLS, 15° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-13.40	INLET HEADWALLS, 15° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-13.50	OUTLET HEADWALLS, 15° SKEW PIPE CULVERT
4/92	B-13.60	OUTLET HEADWALLS, 15° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-13.70	OUTLET HEADWALLS, 15° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-13.80	OUTLET HEADWALLS, 15° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-14.10	INLET HEADWALLS, 30° SKEW PIPE CULVERT
4/92	B-14.20	INLET HEADWALLS, 30° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-14.30	INLET HEADWALLS, 30° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-14.40	INLET HEADWALLS, 30° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-14.50	OUTLET HEADWALLS, 30° SKEW PIPE CULVERT
4/92	B-14.60	OUTLET HEADWALLS, 30° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-14.70	OUTLET HEADWALLS, 30° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-14.80	OUTLET HEADWALLS, 30° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-15.10	INLET HEADWALLS, 45° SKEW PIPE CULVERT
4/92	B-15.20	INLET HEADWALLS, 45° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-15.30	INLET HEADWALLS, 45° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-15.40	INLET HEADWALLS, 45° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-15.50	OUTLET HEADWALLS, 45° SKEW PIPE CULVERT
4/92	B-15.60	OUTLET HEADWALLS, 45° SKEW PIPE CULVERT, 2:1 SLOPE
4/92	B-15.70	OUTLET HEADWALLS, 45° SKEW PIPE CULVERT, 4:1 SLOPE
4/92	B-15.80	OUTLET HEADWALLS, 45° SKEW PIPE CULVERT, 6:1 SLOPE
4/92	B-16.10	MULTIPIPE HEADWALLS WITHOUT APRON
4/92	B-16.20	MULTIPIPE HEADWALLS WITH OUTLET APRON
4/92	B-17.10	OUTLET APRONS
4/92	B-17.20	OUTLET APRON STEEL LIST 2:1 SLOPE
4/92	B-17.30	OUTLET APRON STEEL LIST 4:1 SLOPE
4/92	B-17.40	OUTLET APRON STEEL LIST 6:1 SLOPE
<b>RETAINING WALLS</b>		
4/92	B-18.10	CANTILEVER RETAINING WALL DETAILS
4/92	B-18.20	CANTILEVER RETAINING WALLS ON SPREAD FOOTING
4/92	B-18.30	CANTILEVER RETAINING WALLS ON SPREAD FOOTING
4/92	B-18.40	CANTILEVER RETAINING WALLS WITH BARRIER
4/92	B-18.50	MASONRY RETAINING WALLS
<b>MISCELLANEOUS STANDARDS</b>		
4/92	B-19.50	STRUCTURAL EXCAVATION & STRUCTURE BACKFILL FOR R.C.B. CULVERTS

## STRUCTURE DETAIL DRAWINGS

REVISION DATE	SD NO.	SUBJECT
<b>RAILINGS</b>		
3/09	SD1.01	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (32") NOMINAL
3/09	SD1.02	F-SHAPE BRIDGE CONCRETE BARRIER AND TRANSITION (42") NOMINAL
11/07	SD1.03	THREE BEAM GUARD RAIL TRANSITION SYSTEM
3/09	SD1.04	COMBINATION PEDESTRIAN - TRAFFIC BRIDGE RAILING
3/09	SD1.05	PEDESTRIAN FENCE FOR BRIDGE RAILING SD1.04
6/09	SD1.06 (1 OF 4)	TWO TUBE BRIDGE RAIL
6/09	SD1.06 (2 OF 4)	TWO TUBE BRIDGE RAIL
6/09	SD1.06 (3 OF 4)	TWO TUBE BRIDGE RAIL
6/09	SD1.06 (4 OF 4)	TWO TUBE BRIDGE RAIL
5/02	SD1.11	BARRIER JUNCTION BOX
<b>APPROACHES</b>		
12/07	SD2.01	APPROACH SLAB DETAILS
12/07	SD2.02	TYPE 1 - ANCHOR SLAB DETAILS
12/07	SD2.03	TYPE 2 - ANCHOR SLAB DETAILS
9/09	SD2.04	SLOPE PAVING DETAILS
<b>DECK JOINTS</b>		
6/09	SD3.01	DECK JOINT ASSEMBLY - COMPRESSION SEAL
8/02	SD3.02	DECK JOINT ASSEMBLY - STRIP SEAL
<b>SOUND BARRIER WALLS</b>		
2/07	SD8.01	SOUND BARRIER WALL (CONCRETE)
2/07	SD8.02 (1 OF 2)	SOUND BARRIER WALL (MASONRY)
2/07	SD8.02 (2 OF 2)	SOUND BARRIER WALL (MASONRY)
<b>TRAFFIC STRUCTURES</b>		
11/04	SD9.01 (1 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - ELEVATION & NOTES
04/00	SD9.01 (2 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - FOUNDATION DETAILS
04/00	SD9.01 (3 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE A SIGN MOUNT ASSEMBLY
04/00	SD9.01 (4 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - TYPE B SIGN MOUNT ASSEMBLY
04/00	SD9.01 (5 OF 5)	MEDIAN SIGN STRUCTURE (TWO SIDED) - LIGHT SUPPORT AND MISC. DETAILS
11/04	SD9.02 (1 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - ELEVATION & NOTES
05/00	SD9.02 (2 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - FOUNDATION DETAILS
05/00	SD9.02 (3 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE A SIGN MOUNT ASSEMBLY
05/00	SD9.02 (4 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - TYPE B SIGN MOUNT ASSEMBLY
05/00	SD9.02 (5 OF 5)	MEDIAN SIGN STRUCTURE (ONE SIDED) - LIGHT SUPPORT AND MISC. DETAILS
6/01	SD9.10 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - GENERAL & PLAN
6/01	SD9.10 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - FOUNDATION DETAILS
6/01	SD9.10 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - POST AND MAST ARM DETAILS
6/01	SD9.10 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - SIGN SUPPORT DETAILS
6/01	SD9.10 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR CANTILEVER - LIGHT SUPPORT DETAILS
8/02	SD9.20 (1 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - GENERAL & PLAN
6/01	SD9.20 (2 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - FOUNDATION DETAILS
6/01	SD9.20 (3 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - POST AND MAST ARM DETAILS
6/01	SD9.20 (4 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - SIGN SUPPORT DETAILS
6/01	SD9.20 (5 OF 5)	TUBULAR SIGN STRUCTURES - TUBULAR FRAME - LIGHT SUPPORT AND MISC. DETAILS
8/02	SD9.50 (1 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
8/02	SD9.50 (2 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
8/02	SD9.50 (3 OF 5)	VARIABLE MESSAGE SIGN - TUBULAR FRAME - MOUNTING AND SIGN BRACKET DETAILS
7/00	SD9.50 (4 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
7/00	SD9.50 (5 OF 5)	VARIABLE MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS
8/02	SD9.51	DUAL VARIABLE MESSAGE SIGN - TUBULAR FRAME
5/07	SD9.52 (1 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - PLAN & ELEVATION
5/07	SD9.52 (2 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
5/07	SD9.52 (3 OF 5)	DYNAMIC MESSAGE SIGN - TUBULAR FRAME - MOUNTING DETAILS
5/07	SD9.52 (4 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - HANDRAIL DETAILS
5/07	SD9.52 (5 OF 5)	DYNAMIC MESSAGE SIGN - CATWALK - MISCELLANEOUS DETAILS

REV.: 9 / 09

ADOT STANDARD DRAWINGS		
REVISION DATES and STANDARD NO.'s REVIEW		
NAME	DATE	
STRUCTURES Standards		