ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ENGINEERING CONSULTANTS SECTION
205 South 17th Avenue - Room 293E, Mail Drop 616E
Phoenix, Arizona 85007

Arizona Governor's Award for Quality
1995 Pioneer Award Recipient

FIFE SYMINGTON
Governor

LARRY S. BONINE
Director

THOMAS G. SCHMITT
State Engineer

March 26, 1997

Engineering Consultants Section

INFORMATION BULLETIN 97-03

TO: Consultants

FROM: Engineering Consultants Section

SUBJECT: ADOT Standard Drawing Sheets

Enclosed is information provided by the ADOT Roadway Support section related to the correct application of ADOT Standard Drawing Sheets. The information is provided to assist in determining which Standard Drawing Sheets are required in final project plan sets.

The Standard Sheets can be obtained from the Roadway Support Section, Information Services Team (control desk), Room 115E, 205 South 17th Avenue, Phoenix, Az, 85007.

If you have any questions, please contact Bob Trujillo at 602-255-8675.

ARIZONA DEPARTMENT OF TRANSPORTATION

RECEIVED

OFFICE MEMO

ENGINEERING

March 11, 1997

TO: JOHN LOUIS, Roadway Engineering Group, 611E
MIKE MANTHEY, Traffic Engineering Group, 065R
LARRY LANGER, Valley Project Management Section, 614E
VICTOR MENDEZ, Statewide Project Management Section, 614E
PETE ENO, Engineering Consultants Section, 616E
DAVE ALLOCCO, Contracts and Specifications Section, 121F
TERRY OTTERNESS, Design Program Management Section, 615E
JOHN CARR, Design Section A, 615E
BILL LYONS, Design Section B, 615E
FLOYD ROEHRICH, Design Section C, 615E

FROM: Dan Macdonald DM
Section Manager
Roadway Support Section

RE: Usage of the Metric Standard 1A, 1B and 1C Sheets

PLEASE DISTRIBUTE TO ALL PROJECT MANAGERS

Due to recent modifications to the Bridge Group standard drawings and changes made during the conversion of the ADOT Standard Drawing sheets to metric, the project manager must now determine which ADOT Standard Drawing sheets (1A, 1B or 1C) should be included in the bid set.

The following information is provided to assist you in determining which metric ADOT Standard Drawing sheets (1A, 1B or 1C) are required on your projects.

Metric Sheet 1A -	References all the Construction Standard Drawings - Metric.
+Metric Sheet 1B -	References all the Bridge Group Standard Drawings - Metric.
*English Sheet 1B -	References most of the Bridge Group Standard Drawings - English. (Metric Border)
Metric Sheet 1C -	References both the Signing & Marking Standard Drawings - Metric and Traffic Signal & Lighting Standard Drawings - Metric.

+Use only when directed by the Bridge Group.
*See the attached memo from F. Daniel Davis dated November 1, 1996

Each respective ADOT Standard Drawing sheet (1A, 1B or 1C) must be included if any of the standard drawings referenced within it are used in the project. A minimum of one standard on any ADOT Standard Drawing sheet must be used in the project to warrant the usage of each respective sheet.

Additionally, the sheet or combination of ADOT Standard Drawing sheets to be used must be indexed accordingly in the first design sheet under the "INDEX OF SHEETS" heading. Please note there are seven different possibilities:
(1) 1A, 1B & 1C (2) 1A & 1B (3) 1A & 1C (4) 1A (5) 1B & 1C (6) 1B (7) 1C

These changes are effective on the date of this memo. If you have any questions please contact Bob Trujillo at 255-8675.

DM:rtt

Attachments (5)

cc: Project Reviewers, Roadway Support Section

Post-it® Fax Note 7671	Date	# of pages ▶ 6
To Jeff McGuire	From J. Teller	
Co./Dept.	Co. ECS	
Phone #	Phone # 235-7730	
# 257-8527	Fax #	

Arizona Department of Transportation

Intermodal Transportation Division

BRIDGE GROUP

205 South Seventeenth Avenue, 269E • Phoenix, Arizona 85007-3213

Fife Symington
Governor

Larry S. Bonine
Director

Thomas G. Schmitt
State Engineer

F. Daniel Davis
State Bridge Engineer

November 1, 1996

To: All Bridge Designers and Users of Bridge Group Standard Drawings

From: F. Daniel Davis, State Bridge Engineer

Subject : Metric Reinforcing Bars

The American Association of State Highway and Transportation Officials (AASHTO) has approved the American Society for Testing and Materials (ASTM) "Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement" (Designation A 615/A 615M - 96a). This ASTM Designation adopts the Concrete Reinforcing Steel Institute (CRSI) "Interim Recommendation for Specifying Soft Metric Reinforcing Bars" (Engineering Data Report Number 41).

The following guidelines should be followed on all metric projects to be advertised after December 31, 1996:

All reinforcing bars in contract drawings should be indicated according to the bar designation of Table 1 of the ASTM Designation A 615/A 615M - 96a; i.e., #4, #5, ...etc. Do not use the bracketed designation until the suppliers have converted their stock to the new metric design.

All designs involving reinforcing bars should be based on ASTM Designation A 615/A 615M - 96a. All contract drawings references should be to ASTM Designation A 615/A 615M - 96a. Also, Grade 420 reinforcing steel should be specified.

No reference should be made to the Bridge Group Standard Drawings - Metric, August 1995 (Publication No. 31-080). These standards cannot be used because the superseded metric reinforcing steel was used in their development.

The following Structures Section Standard Drawings, June 1992 (Publication No. 31-002) can be used for metric projects:

Concrete Box Culverts (B-01.10 to B-08.20 and B-19.50)
Pipe Headwalls (B-11.10 to B-17.40)
Retaining Walls (B-18.10 to B-18.50)
Sound Walls (B-30.10 to B-30.20)
Tubular Sign Supports (B-40.10 to B-40.60)

When other bridge standard drawings are needed on an ADOT metric project, insert sheets provided by ADOT Bridge Group may be used or the structural details needed may be shown on the contract drawings.

For all metric projects to be advertised before December 31, 1996, which have the superseded metric reinforcing; i.e., hard metric designation, the contract drawings may be left as is. Special provisions ... should be used.

When insert sheets from ADOT Bridge Group are needed for a project, adequate advance notice should be given to the Bridge Project Engineer. As with any guidelines, good judgment is required when implementing them. Requests for exceptions to the above guidelines should be made to the appropriate ADOT Bridge Project Engineer through the designated project manager.

F. Daniel Davis, P.E.

ADOT STANDARD DRAWINGS

FHWA REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.		1A		

CONSTRUCTION

ISSUE OR REVISION DATE	STANDARD NO.		SUBJECT
6/95	C-01.10		SYMBOL LEGEND
6/95	C-01.11		SYMBOL LEGEND
6/95	C-01.12		SYMBOL LEGEND
6/95	C-01.13		SYMBOL LEGEND
6/95	C-01.30		GENERAL ABBREVIATIONS
6/95	C-01.31		GENERAL ABBREVIATIONS
6/95	C-01.32		GENERAL ABBREVIATIONS
6/95	C-02.10		SLOPES INTERSTATE
6/95	C-02.20		SLOPES PRIMARY ROADWAYS
6/95	C-02.30		SLOPES SECONDARY/MISC ROADWAYS
6/95	C-02.50		SUPERELEVATION DISTRIBUTION
6/95	C-03.10	SH 1	DITCHES, CHANNELS, DIKES AND BERMS DITCHES AND CHANNELS
6/95	C-03.10	SH 2	DITCHES, CHANNELS, DIKES AND BERMS DIKES
6/95	C-03.10	SH 3	DITCHES, CHANNELS, DIKES AND BERMS DITCH DIKE
6/95	C-03.10	SH 4	DITCHES, CHANNELS, DIKES AND BERMS PIPE BERMS
6/95	C-03.10	SH 5	DITCHES, CHANNELS, DIKES AND BERMS HEADWALL BERMS
6/95	C-04.10		SPILLWAY, EMBANKMENT
6/95	C-04.20		DOMDRAIN, EMBANKMENT
6/95	C-04.30		SPILLWAY LENGTH TABLE
6/95	C-04.40		DOMDRAIN LENGTH TABLE
6/95	C-04.50		DOMDRAIN ENERGY DISSIPATOR
6/95	C-05.10		SINGLE CURB, CURB & GUTTER, EMBANKMENT CURB
6/95	C-05.11	SH 1	ENTRANCE RAMP CURB AND GUTTER LAYOUT
6/95	C-05.11	SH 2	EXIT RAMP CURB AND GUTTER LAYOUT
6/95	C-05.12	SH 1	CURB & GUTTER TRANSITIONS
6/95	C-05.12	SH 2	CURB & GUTTER TRANSITIONS
6/95	C-05.12	SH 3	CURB & GUTTER TRANSITIONS
6/95	C-05.20	SH 1	CONCRETE DRIVEWAYS & SIDEWALKS DRIVEWAYS
6/95	C-05.20	SH 2	CONCRETE DRIVEWAYS & SIDEWALKS SIDEWALKS
6/95	C-05.30	SH 1	SIDEWALK RAMP TYPE 1
6/95	C-05.30	SH 2	SIDEWALK RAMP TYPE 2
6/95	C-05.30	SH 3	SIDEWALK RAMP TYPE 3
6/95	C-05.30	SH 4	SIDEWALK RAMP TYPE 4
6/95	C-05.40		MEDIAN PAVING AND NOSE TRANSITION
6/95	C-05.50		CONCRETE BIKE DAY
6/95	C-06.10	SH 1	DRIVEWAY & TURNOUT LAYOUTS
6/95	C-06.10	SH 2	DRIVEWAY & TURNOUT LAYOUTS
6/95	C-07.01	SH 1	PCCP JOINTS
6/95	C-07.01	SH 2	PCCP JOINTS
6/95	C-07.02		LOAD TRANSFER DOWEL ASSEMBLY
6/95	C-07.03	SH 1	MAINLINE PCCP JOINT LOCATIONS SKEWED JOINTS
6/95	C-07.03	SH 2	MAINLINE PCCP JOINT LOCATIONS SKEWED JOINTS
6/95	C-07.03	SH 3	MAINLINE PCCP JOINT LOCATIONS SKEWED JOINTS
6/95	C-07.03	SH 4	MAINLINE PCCP JOINT LOCATIONS SKEWED JOINTS
6/95	C-07.03	SH 5	MAINLINE PCCP JOINT LOCATIONS NON-SKEWED JOINTS
6/95	C-07.03	SH 6	MAINLINE PCCP JOINT LOCATIONS NON-SKEWED JOINTS
6/95	C-07.03	SH 7*	MAINLINE PCCP JOINT LOCATIONS NON-SKEWED JOINTS
6/95	C-07.03	SH 8	MAINLINE PCCP JOINT LOCATIONS NON-SKEWED JOINTS
6/95	C-07.04		ENTRANCE RAMP PCCP JOINTS
6/95	C-07.05		EXIT RAMP PCCP JOINTS
6/95	C-07.06		TRENCH BACKFILL AND PAVEMENT REPLACEMENT
6/95	C-07.10		CROSSROAD PCCP JOINTS
6/95	C-09.10		RAMP GEOMETRICS SINGLE LANE RAMPS
6/95	C-09.20		PAVED GORE AREA
6/95	C-09.10		GROOVING FOR BITUMINOUS SHOULDERS
6/95	C-10.01		TYPE A GUARD RAIL INSTALLATION, REFLECTOR TAB
6/95	C-10.02		TYPE B GUARD RAIL INSTALLATION, REFLECTOR TAB
6/95	C-10.03	SH 1	MEASUREMENT LIMITS FOR W BEAM AND THRIE BEAM SYSTEM
6/95	C-10.03	SH 2	MEASUREMENT LIMITS FOR W BEAM AND THRIE BEAM SYSTEM
6/95	C-10.06		HALF BARRIER TERMINAL W/TYPE B OR C CURB & GUTTER
6/95	C-10.15		BARRIER DETAILS AT PIERS
6/95	C-10.20		G4(1B) AND G4(2B) BLOCKED OUT W BEAM (TIMBER POST)
6/95	C-10.21		G4(1S) AND G4(2S) BLOCKED OUT W BEAM (STEEL POST)
6/95	C-10.22	SH 1	G4(MODIFIED) BLOCKED OUT W BEAM WITH SPECIAL CURB AND GUTTER G4(1S-MODIFIED) (STEEL POST)
6/95	C-10.22	SH 2	G4(MODIFIED) BLOCKED OUT W BEAM WITH SPECIAL CURB AND GUTTER G4(1B) AND G4(2B) (TIMBER POST)
6/95	C-10.23		G9(A) AND G9(B) BLOCKED OUT THRIE BEAM (STEEL POST)
6/95	C-10.24		G9(C) BLOCKED OUT THRIE BEAM (STEEL POST)
6/95	C-10.28	SH 1	NESTED STEEL W BEAM SHORT SPAN - TYPE 1 AND 2
6/95	C-10.28	SH 2	NESTED STEEL W BEAM LONG SPAN - TYPE 3
6/95	C-10.29	SH 1	BOLTED ANCHOR GUARD RAIL
6/95	C-10.29	SH 2	BOLTED ANCHOR GUARD RAIL
6/95	C-10.30	SH 1	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH)
6/95	C-10.30	SH 2	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH)
6/95	C-10.30	SH 3	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH)

CONSTRUCTION

ISSUE OR REVISION DATE	STANDARD NO.		SUBJECT
6/95	C-10.31	SH 1	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH) (WITH CURB)
6/95	C-10.31	SH 2	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH) (WITH CURB)
6/95	C-10.31	SH 3	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (APPROACH) (WITH CURB)
6/95	C-10.32	SH 1	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (DEPARTURE)
6/95	C-10.32	SH 2	GUARD RAIL TRANSITION W BEAM TO CONCRETE HALF BARRIER (DEPARTURE)
6/95	C-10.32	SH 3	GUARD RAIL TRANSITION, W BEAM TO CONCRETE HALF BARRIER (DEPARTURE)
6/95	C-10.39		HARDWARE FOR W BEAM TRANSITION TO CONCRETE BARRIER
6/95	C-10.40	SH 1	GUARD RAIL EXTRUDER TERMINAL GET-1
6/95	C-10.40	SH 2	GUARD RAIL EXTRUDER TERMINAL GET-1
6/95	C-10.41	SH 1	GUARD RAIL EXTRUDER TERMINAL WITH CURB AND GUTTER GET-2
6/95	C-10.41	SH 2	GUARD RAIL EXTRUDER TERMINAL WITH CURB AND GUTTER GET-2
6/95	C-10.44	SH 1	HARDWARE FOR GUARD RAIL EXTRUDER TERMINAL
6/95	C-10.44	SH 2	HARDWARE FOR GUARD RAIL EXTRUDER TERMINAL
6/95	C-10.44	SH 3	HARDWARE FOR GUARD RAIL EXTRUDER TERMINAL
6/95	C-10.45		GUARDRAIL ANCHOR ASSEMBLY STEEL TERMINAL POST
6/95	C-10.60		HALF BARRIER CAST IN PLACE SLIP FORM & FIXED FORM
6/95	C-10.61		HALF BARRIER, PRECAST
6/95	C-10.62		CONCRETE HALF BARRIER WITH GUTTER
6/95	C-10.64	SH 1	HALF BARRIER (AT PIERS) CAST IN PLACE, FIXED FORM
6/95	C-10.64	SH 2	HALF BARRIER (AT PIERS) PRECAST
6/95	C-10.65		HALF BARRIER WITH SIDEWALK
6/95	C-10.66		MEDIAN BARRIER CAST IN PLACE SLIP FORM & FIXED FORM
6/95	C-10.68		MEDIAN BARRIER, PRECAST
6/95	C-10.70	SH 1	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.70	SH 2	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.70	SH 3	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.70	SH 4	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.71	SH 1	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.71	SH 2	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.71	SH 3	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.71	SH 4	CONCRETE HALF BARRIER TRANSITION
6/95	C-10.74		HARDWARE FOR CONCRETE BARRIER TRANSITIONS
6/95	C-10.75	SH 1	BARRIER TRANSITION-TANGENT DEPARTURE TYPE 1
6/95	C-10.75	SH 2	BARRIER TRANSITION-TANGENT DEPARTURE TYPE 2
6/95	C-10.75	SH 3	BARRIER TRANSITION-TANGENT DEPARTURE TYPE 3
6/95	C-10.76		BARRIER TRANSITION CURVE
6/95	C-10.80	SH 1	RUB RAIL
6/95	C-10.80	SH 2	RUB RAIL
6/95	C-10.83		HARDWARE FOR RUB RAIL
6/95	C-10.97	SH 1	GLARE SCREEN CONCRETE MEDIAN BARRIER
6/95	C-10.97	SH 2	GLARE SCREEN CONCRETE MEDIAN BARRIER
6/95	C-10.97	SH 3	GLARE SCREEN CONCRETE MEDIAN BARRIER
6/95	C-11.10	SH 1	ROADWAY CATTLE GUARD
6/95	C-11.10	SH 2	ROADWAY CATTLE GUARD
6/95	C-11.10	SH 3	ROADWAY CATTLE GUARD
6/95	C-11.20		CATTLE GUARD, DRAINAGE
6/95	C-11.30		CATTLE GUARD, RAILROAD
6/95	C-12.10	SH 1	FENCE, WOVEN WIRE
6/95	C-12.10	SH 2	FENCE, BARBED WIRE
6/95	C-12.10	SH 3	FENCE, GATE, TYPE 1 AND 2 FLOOD GATE
6/95	C-12.10	SH 4	FENCE, FLOOD GATE INSTALLATION
6/95	C-12.10	SH 5	FENCE, MISCELLANEOUS DETAILS
6/95	C-12.20	SH 1	FENCE, CHAIN LINK TYPE 1
6/95	C-12.20	SH 2	FENCE, CHAIN LINK TYPE 2
6/95	C-12.20	SH 3	FENCE, CHAIN LINK GATES
6/95	C-12.30	SH 1	CHAIN LINK CABLE BARRIER
6/95	C-12.30	SH 2	CHAIN LINK CABLE BARRIER
6/95	C-12.30	SH 3	CHAIN LINK CABLE BARRIER
6/95	C-13.10	SH 1	PIPE CULVERT INSTALLATION
6/95	C-13.10	SH 2	PIPE CULVERT INSTALLATION
6/95	C-13.15		TYPICAL PIPE INSTALLATION
6/95	C-13.20		PIPE, REINFORCED CONCRETE END SECTION
6/95	C-13.25		PIPE, CORRUGATED METAL, END SECTION
6/95	C-13.30		PIPE AND PIPE ARCH, CORRUGATED METAL CONCRETE INVERT PAVING
6/95	C-13.55		PIPE, CATTLE-VEHICLE PASS, BITERED END TREATMENT
6/95	C-13.60		SLOTTED DRAIN DETAILS
6/95	C-13.65		SLOTTED DRAIN INSTALLATION DETAILS
6/95	C-13.70		STORM DRAIN CONNECTION DETAILS
6/95	C-13.75	SH 1	STORM DRAIN OUTLET DETAILS
6/95	C-13.75	SH 2	STORM DRAIN OUTLET DETAILS
6/95	C-13.80		PIPE COLLAR DETAILS
6/95	C-15.10		CATCH BASIN, TYPE 1
6/95	C-15.20		CATCH BASIN, TYPE 3
6/95	C-15.30		CATCH BASIN, TYPE 4
6/95	C-15.40		CATCH BASIN, TYPE 5
6/95	C-15.50		CATCH BASIN, GRATES, LONGITUDINAL BARS
6/95	C-15.60		CATCH BASIN, GRATES, TRANSVERSE BARS
6/95	C-15.70		CATCH BASIN MISC. DETAILS
6/95	C-15.75		CATCH BASIN, DROP INLET
6/95	C-15.80		CATCH BASIN, MEDIAN FLUSH
6/95	C-15.81		CATCH BASIN, MEDIAN SIDE SLOPE
6/95	C-15.90		CATCH BASIN, MEDIAN BIKE PRECAST

CONSTRUCTION

ISSUE OR REVISION DATE	STANDARD NO.		SUBJECT
6/95	C-15.91	SH 1	FREEWAY CATCH BASIN DETAILS
6/95	C-15.91	SH 2	FREEWAY CATCH BASIN DETAILS
6/95	C-15.92		CATCH BASIN WITH HALF BARRIER
6/95	C-16.10		IRRIGATION HEADWALLS 460 TO 1520 mm DIAMETER PIPES
6/95	C-16.20		IRRIGATION STANDPIPES
6/95	C-16.30		IRRIGATION VALVE AND GATE
6/95	C-16.40		IRRIGATION SLEEVES
6/95	C-17.10		BANK PROTECTION, RAIL TYPES 1, 2 & 3
6/95	C-17.20		BANK PROTECTION, RAIL TYPES 4, 5 & 6
6/95	C-18.10		MANHOLE DETAILS
6/95	C-18.20		MANHOLE FRAME AND COVER DETAILS
6/95	C-18.30		MISCELLANEOUS MANHOLE DETAILS
6/95	C-18.40		MANHOLE RISER DETAILS
6/95	C-19.10		FORD - CONCRETE WALLS
6/95	C-19.20		FORD - TYPES 1 & 2
6/95	C-21.10		SURVEY MONUMENT, FRAME AND COVER, RIGHT OF WAY MARKER
6/95	C-21.20		STANDARD MARKER
6/95	C-22.10		UTILITY LINE, PROTECTIVE CONCRETE SLAB
6/95	C-22.15		SANITARY SEWER ENCASEMENT
6/95	C-22.20	SH 1	PIPE SUPPORT ACROSS TRENCHES
6/95	C-22.20	SH 2	PIPE SUPPORT ACROSS TRENCHES
6/95	C-22.20	SH 3	PIPE SUPPORT ACROSS TRENCHES
6/95	C-22.25		PRECAST SANITARY SEWER MANHOLES
6/95	C-22.30		STUB OUT AND PLUG
6/95	C-22.35		DROP SEWER CONNECTIONS
6/95	C-22.40		SEWER CLEANOUT
6/95	C-23.10		THRUST BLOCKS FOR WATER LINES
6/95	C-23.15		BLOCKING FOR WATER VALVES GATE AND BUTTERFLY
6/95	C-23.20		ANCHOR BLOCK FOR VERTICAL BENDS
6/95	C-23.25		VERTICAL REALIGNMENT FOR WATER MAINS
6/95	C-23.30	SH 1	VALVE BOX INSTALLATION
6/95	C-23.30	SH 2	VALVE BOX INSTALLATION
6/95	C-23.35		TAPPING SLEEVE AND VALVE INSTALLATION
6/95	C-23.40		JOINT RESTRAINT WITH TIE RODS
6/95	C-23.45		CONCRETE WATER METER BOX
6/95	C-23.50		STEEL COVER FOR WATER METER BOX
6/95	C-23.55		WATERLINE CUT AND PLUG FOR 300 mm DIAMETER MAIN AND SMALLER
6/95	C-23.60		HYDRANT INSTALLATION
6/95	C-23.65		FIRE HYDRANT LOCATIONS

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

TRACS NO. ___ OF ___

R:hp1(Bob Trujillo) JOB:m96fs.m DATE:Thu Feb 27 08:25:52 MST 1997

ADOT STANDARD DRAWINGS

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.		18		

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
		STRUCTURES - 1995
		REINFORCED CONCRETE BOX CULVERTS
8-95	8-01.10	Miscellaneous Details for Standard Box Culverts
8-95	8-01.11	Box Culvert Extension Details
8-95	8-02.10	Single Barrel Box Culvert
8-95	8-02.20	Double Barrel Box Culvert
8-95	8-02.25	Double Barrel Box Culvert
8-95	8-02.30	Triple Barrel Box Culvert
8-95	8-02.35	Triple Barrel Box Culvert
8-95	8-02.40	Four Barrel Box Culvert
8-95	8-02.45	Four Barrel Box Culvert
8-95	8-02.50	Five Barrel Box Culvert
8-95	8-02.55	Five Barrel Box Culvert
8-95	8-02.60	Six Barrel Box Culvert
8-95	8-02.65	Six Barrel Box Culvert
8-95	8-02.70	Culvert Quantities
8-95	8-03.10	4875 mm x 4265 mm Equipment Pass
8-95	8-04.10	Outlet Wings, Culvert Height 900 mm to 2100 mm, Skew 0° to 20°
8-95	8-04.20	Outlet Wings, Culvert Height 2400 mm to 3600 mm, Skew 0° to 20°
8-95	8-04.30	Inlet Wings, Culvert Height 900 mm to 2100 mm, Skew 0° to 20°
8-95	8-04.40	Inlet Wings, Culvert Height 2400 mm to 3600 mm, Skew 0° to 20°
8-95	8-04.50	Outlet Wings, Culvert Height 900 mm to 2100 mm, Skew 25° to 45°
8-95	8-04.60	Outlet Wings, Culvert Height 2400 mm to 3600 mm, Skew 25° to 45°
8-95	8-04.70	Inlet Wings, Culvert Height 900 mm to 2100 mm, Skew 25° to 45°
8-95	8-04.80	Inlet Wings, Culvert Height 2400 mm to 3600 mm, Skew 25° to 45°
8-95	8-05.10	Headwall Quantities, 1:2 Slope
8-95	8-05.20	Headwall Quantities, 1:4 Slope
8-95	8-05.30	Headwall Quantities, 1:6 Slope
8-95	8-06.10	Outlet Apron Details
8-95	8-06.20	Outlet Apron Dimensions & Quantities, 1:2 Slope
8-95	8-06.30	Outlet Apron Dimensions & Quantities, 1:4 Slope
8-95	8-06.40	Outlet Apron Dimensions & Quantities, 1:6 Slope
8-95	8-08.10	Inlet or Outlet Level Wings, Height 900 mm to 2100 mm
8-95	8-08.20	Inlet or Outlet Level Wings, Height 2400 mm to 3600 mm
		REINFORCED CONCRETE HEADWALLS FOR PIPE CULVERTS
8-95	8-11.10	Pipe Culvert Headwalls, Miscellaneous Details
8-95	8-11.11	Inlet and Outlet Headwalls, 460 mm to 1070 mm Pipes
8-95	8-11.12	Inlet and Outlet Headwalls, Right Angle Pipe Culverts, 1220 mm to 2130 mm Pipes
8-95	8-11.13	Inlet and Outlet Headwalls, Skewed Pipe Culverts, 1220 mm to 2130 mm Pipes
8-95	8-11.14	Multipipe Headwalls, 1220 mm to 2130 mm Pipes
8-95	8-12.10	Inlet Headwalls, Right Angle Pipe Culvert
8-95	8-12.20	Inlet Headwalls, Right Angle Pipe Culvert, 1:2 Slope
8-95	8-12.30	Inlet Headwalls, Right Angle Pipe Culvert, 1:4 Slope
8-95	8-12.40	Inlet Headwalls, Right Angle Pipe Culvert, 1:6 Slope
8-95	8-12.50	Outlet Headwalls, Right Angle Pipe Culvert
8-95	8-12.60	Outlet Headwalls, Right Angle Pipe Culvert, 1:2 Slope
8-95	8-12.70	Outlet Headwalls, Right Angle Pipe Culvert, 1:4 Slope
8-95	8-12.80	Outlet Headwalls, Right Angle Pipe Culvert, 1:6 Slope
8-95	8-13.10	Inlet Headwalls, 15° Skew Pipe Culvert
8-95	8-13.20	Inlet Headwalls, 15° Skew Pipe Culvert, 1:2 Slope
8-95	8-13.30	Inlet Headwalls, 15° Skew Pipe Culvert, 1:4 Slope
8-95	8-13.40	Inlet Headwalls, 15° Skew Pipe Culvert, 1:6 Slope
8-95	8-13.50	Outlet Headwalls, 15° Skew Pipe Culvert
8-95	8-13.60	Outlet Headwalls, 15° Skew Pipe Culvert, 1:2 Slope
8-95	8-13.70	Outlet Headwalls, 15° Skew Pipe Culvert, 1:4 Slope
8-95	8-13.80	Outlet Headwalls, 15° Skew Pipe Culvert, 1:6 Slope
8-95	8-14.10	Inlet Headwalls, 30° Skew Pipe Culvert
8-95	8-14.20	Inlet Headwalls, 30° Skew Pipe Culvert, 1:2 Slope
8-95	8-14.30	Inlet Headwalls, 30° Skew Pipe Culvert, 1:4 Slope
8-95	8-14.40	Inlet Headwalls, 30° Skew Pipe Culvert, 1:6 Slope
8-95	8-14.50	Outlet Headwalls, 30° Skew Pipe Culvert
8-95	8-14.60	Outlet Headwalls, 30° Skew Pipe Culvert, 1:2 Slope
8-95	8-14.70	Outlet Headwalls, 30° Skew Pipe Culvert, 1:4 Slope
8-95	8-14.80	Outlet Headwalls, 30° Skew Pipe Culvert, 1:6 Slope
8-95	8-15.10	Inlet Headwalls, 45° Skew Pipe Culvert
8-95	8-15.20	Inlet Headwalls, 45° Skew Pipe Culvert, 1:2 Slope
8-95	8-15.30	Inlet Headwalls, 45° Skew Pipe Culvert, 1:4 Slope
8-95	8-15.40	Inlet Headwalls, 45° Skew Pipe Culvert, 1:6 Slope
8-95	8-15.50	Outlet Headwalls, 45° Skew Pipe Culvert
8-95	8-15.60	Outlet Headwalls, 45° Skew Pipe Culvert, 1:2 Slope
8-95	8-15.70	Outlet Headwalls, 45° Skew Pipe Culvert, 1:4 Slope
8-95	8-15.80	Outlet Headwalls, 45° Skew Pipe Culvert, 1:6 Slope

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
		STRUCTURES - 1995
8-95	8-16.10	Multipipe Headwalls without Apron
8-95	8-16.20	Multipipe Headwall with Outlet Apron
8-95	8-17.10	Outlet Aprons
8-95	8-17.20	Outlet Apron Steel List Right Angle
8-95	8-17.30	Outlet Apron Steel List 15° Skew
8-95	8-17.40	Outlet Apron Steel List 30° Skew
8-95	8-17.50	Outlet Apron Steel List 45° Skew
		RETAINING WALLS
8-95	8-18.10	Cantilever Retaining Wall Details
8-95	8-18.20	Cantilever Retaining Walls on Spread Footings
8-95	8-18.30	Cantilever Retaining Walls on Spread Footings
8-95	8-18.40	Cantilever Retaining Walls with Barrier
8-95	8-18.50	Masonry Retaining Walls
		MISCELLANEOUS STANDARDS
8-95	8-19.10	Miscellaneous Details for Bridges
8-95	8-19.11	Approach Slab Details
8-95	8-19.12	Anchor Slab Details (PCC Pavement Greater than 200 meters)
8-95	8-19.13	Anchor Slab Details (PCC Pavement 100 meters to 200 meters)
8-95	8-19.14	Anchor Slab Details (PCC Pavement less than 100 meters)
8-95	8-19.20	Slope Paving Details, Underpass
8-95	8-19.21	Slope Paving Details, Overpass
8-95	8-19.30	Structural Excavation - Pavement Limits
8-95	8-19.40	Structural Backfill - Pavement Limits
8-95	8-19.50	Structural Excavation & Structural Backfill for R.C.B. Culvert
8-95	8-21.10	Bridge Concrete Barrier Details
8-95	8-21.19	Bridge Concrete Barrier Transition with Curb
8-95	8-21.20	Bridge Concrete Barrier Transition
8-95	8-21.21	Block and Terminal Connector Assembly Details
8-95	8-21.30	Barrier Junction Box
8-95	8-22.40	Bridge Pedestrian Rail
8-95	8-22.41	Bridge Pedestrian Rail
8-95	8-22.50	Pedestrian Fence Details with Curb
8-95	8-22.60	Pedestrian Fence Details with Parapet
8-95	8-22.70	1830 mm High Fence Details with Parapet or Barrier
8-95	8-23.10	Rail Bank Protection for Bridges
8-95	8-24.20	Compression Seal Joint, Skews 0° thru 20°
8-95	8-24.21	Compression Seal Joint, Skews 21° thru 60°
8-95	8-30.10	Concrete Sound Barrier Walls
8-95	8-30.20	Masonry Sound Barrier Walls
8-95	8-40.10	Tubular Sign Structures, Tubular Cantilever
8-95	8-40.20	Tubular Sign Structures, Tubular Overhead
8-95	8-40.30	Tubular Sign Structures, Foundation Details
8-95	8-40.40	Tubular Sign Structures, Frame Details
8-95	8-40.50	Tubular Sign Structures, Sign Connection Details
8-95	8-40.60	Tubular Sign Structures, Miscellaneous Details

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW		
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ER:hp1(Bob Trujillo) JOB:m96fs.m DATE:Thu Feb 27 08:27:38 MST 1997

ADOT STANDARD DRAWINGS

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
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STRUCTURES - 1992 (ENGLISH VERSION)

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
		REINFORCED CONCRETE BOX CULVERTS
4/92	B-01.10	MISCELLANEOUS DETAILS FOR STANDARD BOX CULVERTS
	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
	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 8' 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°
	B-04.70	INLET WINGS, CULVERT HEIGHT 3' TO 7', SKEW 25° TO 45°
	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
7/16	B-08.10	INLET OR OUTLET LEVEL WINGS, HEIGHT 3' TO 7'
7/16	B-08.20	INLET OR OUTLET LEVEL WINGS, HEIGHT 8' TO 12'
		REINFORCED CONCRETE HEADWALLS FOR PIPE CULVERTS
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

STRUCTURES - 1992 (ENGLISH VERSION)

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
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
		RETAINING WALLS
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
	B-18.50	MASONRY RETAINING WALLS
		MISCELLANEOUS STANDARDS
4/92	B-19.50	STRUCTURE EXCAVATION & STRUCTURE BACKFILL FOR R.C.B. CULVERTS
	B-30.10	CONCRETE SOUND BARRIER WALLS
4/92	B-30.20	MASONRY SOUND BARRIER WALLS
2/92	B-40.10	TUBULAR SIGN STRUCTURES, TUBULAR CANTILEVER
2/92	B-40.20	TUBULAR SIGN STRUCTURES, TUBULAR OVERHEAD
2/92	B-40.30	TUBULAR SIGN STRUCTURES, FOUNDATION DETAILS
2/92	B-40.40	TUBULAR SIGN STRUCTURES, FRAME DETAILS
2/92	B-40.50	TUBULAR SIGN STRUCTURES, SIGN CONNECTION DETAILS
2/92	B-40.60	TUBULAR SIGN STRUCTURES, MISC. DETAILS

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW		
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ER:hp1(Bob Trujillo) JOB:m96fs.m DATE:Thu Feb 27 08:32:19 MST 1997

ADOT STANDARD DRAWINGS

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
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SIGNING & MARKING DETAILS

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
1/96	4-U-1.02	CURB MARKINGS FOR RAISED MEDIANS AND ISLANDS
1/96	4-U-1.03.1	CENTERLINE AND REVERSE CURVE DETAILS
1/96	4-U-1.11	RAILROAD SIGNING AND MARKINGS
1/96	4-U-1.13	PAVEMENT LETTERS
1/96	4-U-1.14	PAVEMENT LETTERS
1/96	4-U-1.15	PAVEMENT NUMBERS
1/96	4-U-1.16	PAVEMENT MARKING SYMBOLS
1/96	4-U-1.23	FREEWAY PAVEMENT ARROWS
1/96	4-U-2.01	RECESSED PAVEMENT MARKER DETAILS
1/96	4-U-2.02	RAISED PAVEMENT MARKER DETAILS
1/96	4-U-2.03.1	PAVEMENT MARKING DETAILS
1/96	4-U-2.03.2	PAVEMENT MARKING DETAILS
1/96	4-U-2.05	TEMPORARY PAVEMENT MARKERS FOR CHIP SEAL PROJECTS
1/96	4-U-2.07	TRAFFIC ONLY DETAILS
1/96	4-U-2.10	RUMBLE STRIP DETAILS
1/96	4-U-3.01	OBJECT MARKER DETAILS
1/96	4-U-3.02	OBJECT MARKER PLACEMENT DETAILS
1/96	4-U-3.03	OBJECT MARKER FOR SAND BARREL CRASH CUSHION
1/96	4-U-4.01	DELINEATOR AND GALVANIZED STEEL POST DETAILS
1/96	4-U-4.02	ROADWAY DELINEATOR PLACEMENT
1/96	4-U-4.03	INTERCHANGE DELINEATOR SPACING
1/96	4-U-4.04	TRANSITION DELINEATION
1/96	4-U-4.05	DELINEATION DETAILS FOR FREEWAY MEDIAN CROSSOVERS
1/96	4-U-9.01	SNOW MARKER DETAILS
1/96	4-U-10.01	BRIDGE AND BARRIER MARKER DETAILS
1/96	4-U-10.02	BRIDGE AND BARRIER MARKER PLACEMENT AND INSTALLATION DETAILS
1/96	4-U-10.03	GUARD RAIL EXTRUDER TERMINAL DELINEATION DETAILS
1/96	4-S-3.01	ALUMINUM EXTRUSION SIGN PANEL DETAILS
1/96	4-S-3.01.1	ALUMINUM EXTRUSION EXIT NUMBER PANEL DETAIL
1/96	4-S-3.02	ALUMINUM SHEET INCREMENT SIGN DETAILS
1/96	4-S-3.03	SIGN PANEL OVERLAY
1/96	4-S-4.01	GUIDE SIGNS BREAKAWAY POST INSTALLATIONS
1/96	4-S-4.03	U-SHAPE TENSION FUSE PLATE AND HINGE DETAILS
1/96	4-S-4.04	BREAKAWAY POST DETAILS U-SHAPE GUIDE SIGNS
1/96	4-S-4.05	BREAKAWAY POST DETAILS S-SHAPES
1/96	4-S-4.07	AUXILIARY SIGN INSTALLATION DETAILS
1/96	4-S-4.10	SIGN INSTALLATION ON POLE
1/96	4-S-4.11	SIGN INSTALLATION ON SIGNAL POLE
1/96	4-S-4.13	OFFSETS, CLEARANCES AND MOUNTING DETAILS FOR WARNING, REGULATORY AND MARKER SIGNS ON FREEWAYS
1/96	4-S-4.14	OFFSETS, CLEARANCES AND MOUNTING DETAILS FOR SIGNS ON NON-FREEWAYS, RAMPS AND CROSSROADS
1/96	4-S-4.15	GUIDE SIGN MOUNTING DETAILS
1/96	4-S-4.16	SQUARE TUBE POST FOUNDATION AND SPLICE DETAILS
1/96	4-S-4.17	63.5 mm SQUARE TUBE POST SLIP BASE DETAILS
1/96	4-S-4.17.1	50.8 mm SQUARE TUBE POST SLIP BASE DETAILS
1/96	4-S-4.18	U-CHANNEL POST SELECTION AND INSTALLATION DETAILS
1/96	4-S-4.19	FREEWAY MILEPOST DETAILS
1/96	4-S-4.19.1	NON-FREEWAYS MILEPOST DETAILS
1/96	4-C-1.01	SAND BARREL CRASH CUSHION
1/96	4-C-1.02	SAND BARREL CRASH CUSHION TYPICAL INSTALLATIONS
1/96	4-C-1.03	SAND BARREL CRASH CUSHION MODULE COMPONENTS
1/96	4-C-2.01	TEMPORARY CONCRETE BARRIER

TRAFFIC SIGNAL & LIGHTING DETAILS

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
	T.S. 0	SYMBOLS
1/96	0-1	PLANS SYMBOLS
	T.S. 1	PULL BOXES
1/96	1-1	NO. 5 CONCRETE PULL BOX
1/96	1-2	NO. 5 CONCRETE PULL BOX EXTENSION
1/96	1-3	NO. 7 CONCRETE PULL BOX
1/96	1-4	NO. 7 CONCRETE PULL BOX EXTENSION
1/96	1-5	POLYMER PULL BOX
1/96	1-6	NO. 9 PULL BOX
1/96	1-7	NO. 9 PULL BOX COVER & LIFT HANDLES
1/96	1-8	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS
	T.S. 2	FOUNDATIONS
	2-1	FOUNDATION FOR TYPE II LOAD CENTER CABINET
	2-2	FOUNDATION FOR TYPE IV LOAD CENTER CABINET
	2-3	FOUNDATION FOR TYPE III CONTROL CABINET
	2-4	FOUNDATION FOR TYPE IV, V CONTROL CABINETS
	2-5	TYPE A FOUNDATION FOR 34X CONTROLLER CABINETS
	2-6	TYPE B FOUNDATION FOR 34X CONTROLLER CABINETS
	T.S. 3	CABINETS
	3-1	TYPE II LOAD CENTER CABINET
	3-2	TYPE IV LOAD CENTER CABINET
	3-3	TYPE II LOAD CENTER CABINET WIRING DETAILS 120/240V 3W
	3-4	TYPE II LOAD CENTER CABINET WIRING DETAILS 240/480V 3W
	3-5	TYPE II LOAD CENTER CABINET WIRING DETAILS 120/208V 4W
	3-6	TYPE II LOAD CENTER CABINET WIRING DETAILS 277/480V 4W
	3-7	TYPE IV LOAD CENTER CABINET WIRING DETAILS 120/240V 3W
	3-8	TYPE IV LOAD CENTER CABINET WIRING DETAILS 240/480V 3W
	3-9	TYPE IV LOAD CENTER CABINET WIRING DETAILS 120/208V 4W
	3-10	TYPE IV LOAD CENTER CABINET WIRING DETAILS 277/480V 4W
	3-11	TYPE III CONTROL CABINET
	3-12	POLE MOUNT FOR TYPE III CONTROL CABINET
	3-13	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET
	3-14	TYPE IV CONTROL CABINET
	3-15	TYPE V CONTROL CABINET
	3-16	CONTROL CABINET MOUNTED SERVICE ENCLOSURE
	3-17	JACK MOUNTED COMPONENTS
	3-18	METER PEDESTAL CABINET
	3-19	ELEVATOR BASE FOR TYPE IV CONTROL CABINET
	3-20	FREEWAY MANAGEMENT SYSTEM MODEL 345 CABINET DETAILS
	3-21	FREEWAY MANAGEMENT SYSTEM MODEL 345 CABINET CAGE DETAILS
	3-22	100 AMP, 120/240 OR 240/480V, SINGLE PHASE, EUSERC METER SOCKET AND SERVICE DISCONNECT DETAILS
	3-23	100 AMP, 120/208 OR 277/480V, THREE PHASE, EUSERC METER SOCKET AND SERVICE DISCONNECT DETAILS
	3-24	100 AMP, 120/240 OR 240/480V, SINGLE PHASE, EUSERC UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
	3-25	100 AMP, 120/208 OR 277/480V, THREE PHASE, EUSERC UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
	T.S. 4	POLES & POSTS
	4-1	TYPE "A" POLE
	4-2	TYPE "E" POLE AND MAST ARM
	4-3	TYPE "F" POLE AND MAST ARMS
	4-4	TYPE "G" POLE AND MAST ARMS
	4-5	TYPE "H" POLE AND MAST ARM
	4-6	TYPE "I" POLE AND MAST ARM
	4-7	TYPE "J" POLE AND MAST ARM
	4-8	TYPE "K" POLE AND MAST ARM
	4-9	TYPE "O" POLE AND MAST ARMS
	4-10	TYPE "R" POLE AND MAST ARMS
	4-11	TYPE "S" POLE
	4-12	TYPE "T" POLE AND LUMINAIRE MOUNTING BRACKET
	4-13	TYPE "U" POLE ELLIPTICAL BASE & DETAILS
	4-14	TYPE "U" POLE ROUND BASE
	4-15	TYPE "U" POLE FOUNDATION DETAILS
	4-16	TYPE "U" POLE CONNECTION DETAILS
	4-17	POLE HAND HOLE DETAIL
	4-18	POLE DRILLING DETAIL
	4-19	PEDESTRIAN PUSH BUTTON POST
	4-20	ANCHOR BOLTS
	T.S. 5	POLE BASES - SPECIAL
	5-1	BREAK-AWAY BASE FOR 9144 mm POLE
	5-2	BREAK-AWAY BASE FOR 12192 mm POLE AND ABOVE
	5-3	SLIP-AWAY BASE FOR 9144 mm POLE
	5-4	SLIP-AWAY BASE FOR 12192 mm - 15240 mm POLE
	T.S. 6	LIGHTING POLE OFFSETS
1/96	6-1	HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
	T.S. 7	DETECTORS
	7-1	LOOP DETECTOR LOCATION AND INSTALLATION DETAILS
	7-2	DETECTOR LOOPS FOR TRAFFIC COUNTERS
	7-3	DETECTOR LOOPS FOR SPEED/VEHICLE CLASS./WIM
	7-4	PRE-FORMED LOOP DETECTORS FOR FWS/RAMP METERING/COUNT
	7-5	PRE-FORMED LOOP DETECTORS IN BRIDGE
	7-6	PRE-FORMED LOOP DETECTORS IN PCCP

TRAFFIC SIGNAL & LIGHTING DETAILS

ISSUE OR REVISION DATE	STANDARD NO.	SUBJECT
	T.S. 8	SIGNAL ASSEMBLIES
	8-1	SIGNAL FACES WITH BACKPLATES
1/96	8-2	VISORS FOR 203 mm AND 305 mm SIGNALS
	T.S. 9	MOUNTING ASSEMBLIES
1/96	9-1	TYPE I & II MOUNTING ASSEMBLIES
1/96	9-2	TYPE III & IV MOUNTING ASSEMBLIES
1/96	9-3	TYPE V MOUNTING ASSEMBLY
1/96	9-4	TYPE VI MOUNTING ASSEMBLY
1/96	9-5	TYPE VII MOUNTING ASSEMBLY
1/96	9-6	TYPE VIII MOUNTING ASSEMBLY
1/96	9-7	TYPE IX MOUNTING ASSEMBLY
1/96	9-8	TYPE X MOUNTING ASSEMBLY
1/96	9-9	TYPE XI MOUNTING ASSEMBLY
1/96	9-10	TYPE XII MOUNTING ASSEMBLY
	T.S. 10	MOUNTING CASTINGS - SIGNAL
1/96	10-1	MISCELLANEOUS SIGNAL MOUNTING PARTS
1/96	10-2	MAST ARM PLUMBIZER
1/96	10-3	POLE PLATE DETAIL
1/96	10-4	TERMINAL COMPARTMENT, SIDE MOUNTED AND POLE TOP MOUNTED
	T.S. 11	PEDESTRIAN DETAILS
1/96	11-1	TYPE I PEDESTRIAN PUSH BUTTON
1/96	11-2	TYPE II PEDESTRIAN PUSH BUTTON
1/96	11-3	SIGNS FOR PEDESTRIAN PUSH BUTTONS
1/96	11-4	SIGNS FOR INTERNATIONAL SYMBOL PUSH BUTTON
	T.S. 12	FLASHERS
1/96	12-1	ADVANCE WARNING FLASHER POLE DETAIL
	T.S. 13	ILLUMINATION - SIGNS
1/96	13-1	SIGN LIGHTING DETAILS FOR TUBULAR SIGN STRUCTURES
1/96	13-2	SIGN LIGHTING DETAILS FOR TRUSS TYPE SIGNS
1/96	13-3	FUSE PANEL DETAILS FOR SIGN LIGHTING
1/96	13-4	SIGN LIGHTING DETAIL FOR MEDIAN MTG. SIGN
1/96	13-5	PLACEMENT OF LIGHTING FIXTURES FOR OVERHEAD SIGNS
	T.S. 14	ILLUMINATION - SPECIAL
1/96	14-1	PEDESTRIAN BRIDGE LIGHTING DETAILS
1/96	14-2	PEDESTRIAN BRIDGE LIGHTING DETAILS
	T.S. 15	SERVICE
1/96	15-1	PHOTO ELECTRIC CELL MOUNTING DETAILS
1/96	15-2	TEMPORARY SIGNALS & LIGHTING TYPICAL SPAN WIRE DETAILS

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW		
	NAME	DATE
TRAFFIC SIGNAL & LIGHTING Standards		
SIGNING & MARKING Standards		

TRACS NO. ___ OF ___

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