



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
NASHVILLE, TENNESSEE 37243-0350

**INSTRUCTIONAL BULLETIN No. 04-15**

Regarding List of Current Revision Dates  
For English Standard Roadway Drawings

Attached hereto is a copy of the standard list with revised dates. The new, revised, or voided drawings are **effective** for the **December 3, 2004 letting**. The design managers responsible for the project may use any of these drawings in the September 3, 2004 or October 29, 2004 lettings. If they are used prior to the December 3, 2004 letting, they must be indicated to be printed with the plans. They shall be identified on lower left hand corner of the index sheet - "**To be printed with the plans.**"

Current instructional bulletin nos. IB04-09, IB04-10, and IB04-11 are to continue to be printed with the plans until the December 3, 2004 letting when the new standards take effect. At that time, instructional bulletin nos. IB03-09, IB04-09, IB04-10, and IB04-11 will be voided.

**The new drawings are underlined in their entirety and the revision dates of the revised drawings are underlined. If old drawing name has been changed, it will be underlined.**

The following are revised drawings:

RD-L-3, RD-L-4, D-CB-12SE, D-CB-14SE, D-CE-25SE, D-CB-31R, D-CB-31SE, D-CB-39SE, D-CB-41SE, D-CB-44SE, D-CB-46SE, RP-NMC-10, S-GR-11, S-GR-12, S-GR-13, S-GR-15, S-GR-19, S-GR-21, S-GR-27, S-GR-32, S-GR-34, S-GR-35, S-GR-36, T-M-1, T-M-2, T-M-5, T-PBR-1, T-S-9, T-S-10, T-S-12, T-WZ-11, T-WZ-12, T-WZ-13, T-WZ-14, T-WZ-15, T-WZ-16, T-WZ-17, T-WZ-18, T-WZ-19, T-WZ-30, T-WZ-31, T-WZ-35, T-WZ-40, T-WZ-41, T-WZ-42, T-WZ-50, T-WZ-51, T-WZ-52, T-WZ-53, T-WZ-54, EC-STR-1, EC-STR-2, EC-STR-3D, EC-STR-4, EC-STR-4A, EC-STR-5, EC-STR-19, EC-STR-25, INDEX OF STANDARD DRAWINGS sheets 1, 2, 3, and 4, AND TITLE SHEET.

The following are new drawings:

RD-L-5, RD-L-6, S-GR-13A, S-GR-19A, T-L-2, EC-STR-3A, EC-STR-3B, EC-STR-3C, EC-STR-40, EC-STR-41, EC-STR-41A, EC-STR-42, EC-STR-42A, EC-STR-43, EC-STR-43A, EC-STR-44, EC-STR-44A, EC-STR-45, EC-STR-45A, EC-STR-46, EC-STR-46A, EC-STR-47, EC-STR-47A, EC-STR-48, EC-STR-48A, EC-STR-49, EC-STR-49A, AND INDEX OF STANDARD DRAWINGS sheet 5.

The following are voided drawings:

EC-STR-3



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Jeff G. Jones, C. E. Director  
Design Division

JCJ:mbd  
Attachment  
July 8, 2004

## CURRENT REVISION DATES STANDARD ROADWAY AND STRUCTURE DRAWINGS

<u>Drawing Number</u>	<u>Current Revision Date</u>	<u>Standard Title</u>
	<u>04-15-04</u>	TITLE SHEET
	<u>07-15-04</u>	INDEX OF STANDARD ENGLISH DRAWINGS - SHEET NO. 1
	<u>07-15-04</u>	INDEX OF STANDARD ENGLISH DRAWINGS - SHEET NO. 2
	<u>07-15-04</u>	INDEX OF STANDARD ENGLISH DRAWINGS - SHEET NO. 3
	<u>07-15-04</u>	INDEX OF STANDARD ENGLISH DRAWINGS - SHEET NO. 4
	<u>07-15-04</u>	<u>INDEX OF STANDARD ENGLISH DRAWINGS – SHEET NO. 5</u>

**ROADWAY DESIGN STANDARDS**

RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	<u>04-15-04</u>	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	<u>04-15-04</u>	<u>STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING</u>
<u>RD-L-5</u>	<u>04-15-04</u>	<u>STANDARD LEGEND FOR EROSION AND SEDIMENT CONTROL</u>
<u>RD-L-6</u>	<u>04-15-04</u>	<u>STANDARD LEGEND FOR EROSION AND SEDIMENT CONTROL</u>
RD-S-11	03-31-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD-S-11A	03-31-03	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD-SA-1	03-31-03	SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION
RD-SE-2	10-26-95	URBAN SUPERELEVATION DETAILS
RD-SE-3	10-26-95	RURAL SUPERELEVATION DETAILS
RD-TS-1	03-31-03	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD-TS-2	03-31-03	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD-TS-2A	03-31-03	DESIGN STANDARDS FOR 4-6 LANE COLLECTOR HIGHWAYS WITH DEPRESSED MEDIANS
RD-TS-2B	03-31-03	DESIGN STANDARDS FOR 4-6 LANE COLLECTOR HIGHWAYS WITH FLUSH MEDIANS
RD-TS-3	03-31-03	DESIGN STANDARDS FOR 2-LANE ARTERIAL HIGHWAYS
RD-TS-3A	03-31-03	DESIGN STANDARDS 4-6 LANE ARTERIAL HIGHWAYS WITH DEPRESSED MEDIANS
RD-TS-3B	03-31-03	DESIGN STANDARDS 4-6 LANE ARTERIALS WITH INDEPENDENT ROADWAYS

RD-TS-3C	03-31-03	DESIGN STANDARDS 4-6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RD-TS-4	03-31-03	DESIGN STANDARDS 1 & 2 LANE RAMPS
RD-TS-5	03-31-03	DESIGN STANDARDS FREEWAYS WITH DEPRESSED MEDIANS
RD-TS-5A	03-31-03	DESIGN STANDARDS FREEWAYS WITH INDEPENDENT ROADWAYS
RD-TS-5B	03-31-03	DESIGN STANDARDS FREEWAYS WITH MEDIAN BARRIER
RD-TS-6	03-31-03	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD-TS-6A	03-31-03	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD-TS-7	03-31-03	2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD-TS-7A	03-31-03	2-LANE CURB & GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
RD-UD-4	05-27-01	UNDERDRAIN LATERAL DETAILS
RD-UD-6	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 1:1 & 2:1 SLOPES
RD-UD-7	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-8		LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-S-11B	10-15-02	DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD01-S-12	10-15-02	CLEAR ZONE CRITERIA
RD01-SA-1	10-15-02	SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION

Revision Date 07/15/04

RD01-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-TS-1	10-15-02	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-2	10-15-02	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-2A	10-15-02	DESIGN STANDARDS 4 AND 6 LANE COLLECTOR HIGHWAYS WITH DEPRESSED MEDIANS
RD01-TS-2B	10-15-02	DESIGN STANDARDS 4 AND 6 LANE COLLECTOR HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-3	10-15-02	DESIGN STANDARD FOR 2-LANE ARTERIAL HIGHWAYS
RD01-TS-3A	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH DEPRESSED MEDIANS
RD01-TS-3B	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIALS WITH INDEPENDENT ROADWAYS
RD01-TS-3C	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-4	10-15-02	DESIGN STANDARDS 1 AND 2 LANE RAMPS
RD01-TS-5	10-15-02	DESIGN STANDARDS FREEWAYS WITH DEPRESSED MEDIANS
RD01-TS-5A	10-15-02	DESIGN STANDARDS FREEWAYS WITH INDEPENDENT ROADWAYS
RD01-TS-5B	10-15-02	DESIGN STANDARDS FREEWAYS WITH MEDIAN BARRIER
RD01-TS-6	10-15-02	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	10-15-02	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD01-TS-7	10-15-02	DESIGN STANDARDS 2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD01-TS-7A	10-15-02	DESIGN STANDARDS 2-LANE CURB AND GUTTER WITH CONTINUOUS 2-WAY LEFT-TURN LANE

**DRAINAGE - CULVERTS AND ENDWALL**

D-FLU-1		FLUME DETAILS
D-PB-1	10-26-96	CLASS "B" BEDDING AND CULVERT EXCAVATION
D-PE-1	02-12-76	TYPE "A" CONCRETE ENDWALL (2:1 SLOPE, 36" TO 78")
D-PE-3B(1)	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (3:1 SLOPE)
D-PE-3B(2)	05-27-01	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (3:1 SLOPE)
D-PE-4	01-19-97	STRAIGHT, "L" AND "U" TYPE CONCRETE ENDWALL
D-PE-4B(1)	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (4:1 SLOPE)
D-PE-4B(2)	05-27-99	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (4:1 SLOPE)
D-PE-5	05-27-01	WINGWALLS HORIZONTAL OVAL CONCRETE PIPES
D-PE-6	05-27-01	STRAIGHT ENDWALLS VERTICAL OVAL CONCRETE PIPES
D-PE-6A	05-27-01	WINGWALLS VERTICAL OVAL CONCRETE PIPES
D-PE-6B(1)	03-30-00	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (6:1 SLOPE)
D-PE-6B(2)	05-27-01	CONCRETE ENDWALL TYPE "U" WITH STEEL PIPE GRATE (FOR 18" THRU 48" PIPES) (6:1 SLOPE)
D-PE-7	05-27-01	STRAIGHT ENDWALLS FLATBASE CONCRETE PIPES
D-PE-7A	05-27-01	WINGWALLS FLATBASE CONCRETE PIPES
D-PE-8	01-19-97	PIPE AND PIPE-ARCH CULVERT WITH BEVELED ENDS AND RIP-RAP
D-PE-9	04-25-90	CONCRETE ENDWALLS TYPE "B" (FOR ROUND & SIDE TAPERED INLETS) - PIPE SIZES 15" TO 78", ALL SKEWS, 2:1 AND 4:1 SLOPES
D-PE-9A	10-25-82	CONCRETE ENDWALLS TYPE "B" GENERAL DIMENSIONS AND QUANTITIES, ROUND PIPE SIZES 15" TO 78", ALL SKEWS, 2:1 AND 4:1 SLOPES

D-PE-9B		CONCRETE ENDWALLS TYPE "B" GENERAL DIMENSIONS AND QUANTITIES, SIDE TAPERED INLETS, SIZES 15" TO 78", ALL SKEWS, 2:1 AND 4:1 SLOPES
D-PE-9C		CONCRETE ENDWALLS TYPE "B" BILL OF STEEL FOR CONCRETE ROUND AND SIDE TAPERED INLETS-2:1 SLOPES, PIPE SIZES 15" TO 78", ALL SKEWS
D-PE-9D		CONCRETE ENDWALLS TYPE "B" BILL OF STEEL FOR CONCRETE ROUND AND SIDE TAPERED INLETS-4:1 SLOPES PIPE SIZES 15" TO 78", ALL SKEWS
D-PE-9E		CONCRETE ENDWALLS TYPE "B" BILL OF STEEL FOR ROUND AND SIDE TAPERED INLETS-2:1 SLOPES PIPE SIZES 15" TO 78", ALL SKEWS
D-PE-9F		CONCRETE ENDWALLS TYPE "B" BILL OF STEEL FOR ROUND AND SIDE TAPERED INLETS - 4:1 SLOPES PIPE SIZES 15" TO 78", ALL SKEWS
D-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PG-4	07-29-94	FERROUS AND ALUMINUM CORR. METAL PIPE-ARCHES
D-PO-1	05-27-01	OVAL & FLAT BASE CONCRETE CULVERT PIPE
D-PS-1	03-15-76	STRUTTING DETAILS FOR CORRUGATED METAL & STRUCTURAL PLATE ROUND PIPE
D-SEW-6DA	05-27-01	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE (FOR 15" THRU 48" PIPES) (6:1 SLOPE)
D-SEW-6DB	10-26-92	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE (FOR 15" THRU 48" PIPES) (6:1 SLOPE)
D-SEW-6DC	05-27-01	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE (FOR 18" THRU 30" PIPES) (6:1 SLOPE)
D-SEW-6DD	05-27-01	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE (FOR 18" THRU 30" PIPES) (6:1 SLOPE)
D-SEW-12D	05-27-01	CONCRETE ENDWALL TYPE "SD" WITH STEEL PIPE GRATE (FOR 15" AND 18" PIPES) (12:1 SLOPE)



**DRAINAGE-CATCH BASINS AND MANHOLES**

D-CB-10LPC	04-15-03	LOW PROFILE LOWERED CURB 32" X 26" RECTANGULAR CONCRETE NO. 10LPC CATCH BASIN
D-CB-10RA		PRECAST 48" CIRCULAR NO. 10 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-10S	07-29-02	RECTANGULAR CONCRETE NO. 10 CATCH BASIN
D-CB-10SB		4' X 4' SQUARE CONCRETE NO. 10 CATCH BASIN
D-CB-12B	07-29-02	RECTANGULAR BRICK NO. 12 CATCH BASIN
D-CB-12LP	05-27-01	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN
D-CB-12P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12RA	05-27-01	PRECAST 48" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RB	05-27-01	PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RC	05-27-01	PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12S	07-29-02	RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12SB	07-29-02	4' X 4' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SC	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-13B	07-29-02	RECTANGULAR BRICK NO. 13 CATCH BASIN
D-CB-13P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 13 CATCH BASIN
D-CB-13RA	05-27-01	PRECAST 48" CIRCULAR NO. 13 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)

D-CB-13RB	05-27-01	PRECAST 60" AND 72" CIRCULAR NO. 13 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-13RC	05-27-01	PRECAST 84" THRU 120" CIRCULAR NO. 13 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-13S	07-29-02	RECTANGULAR CONCRETE NO. 13 CATCH BASIN
D-CB-14B	07-29-02	RECTANGULAR BRICK NO. 14 CATCH BASIN
D-CB-14P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14RB	05-27-01	PRECAST CIRCULAR NO. 14RB CATCH BASIN
D-CB-14S	07-29-02	RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 14 CATCH BASIN
D-CB-16B	07-29-02	RECTANGULAR BRICK NO. 16 CATCH BASIN
D-CB-16S	07-29-02	RECTANGULAR CONCRETE NO. 16 CATCH BASIN
D-CB-17S	07-29-02	RECTANGULAR CONCRETE NO. 17 CATCH BASIN
D-CB-25B	07-29-02	RECTANGULAR BRICK NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25LP	05-27-01	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 25LP CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RA	05-27-01	PRECAST 48" CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RB	05-27-01	PRECAST CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25S	07-29-02	RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SB	07-29-02	4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SC	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)

D-CB-25SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-26P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-26S	07-29-02	RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-27S	07-29-02	RECTANGULAR CONCRETE NO. 27 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-28B	07-29-02	RECTANGULAR BRICK NO. 28 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-28LP	05-27-01	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 28LP CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-28P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 28 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-28RA	05-27-01	PRECAST 48" CIRCULAR NO. 28 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-28RB	05-27-01	PRECAST CIRCULAR NO. 28 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-28S	07-29-02	RECTANGULAR CONCRETE NO. 28 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-29P	07-29-02	PRECAST RECTANGULAR CONCRETE NO. 29 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-29S	07-29-02	RECTANGULAR CONCRETE NO. 29 CATCH BASIN (FOR USE WITH 4" MOUNTABLE CURB)
D-CB-31R	<u>10-26-03</u>	PRECAST CIRCULAR NO. 31 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-31SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 31 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-31SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 31 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-38RB	05-27-01	PRECAST CIRCULAR NO. 38 CATCH BASIN
D-CB-38S	07-29-02	32" X 32" SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-38SB	09-11-02	4' X 4' SQUARE CONCRETE NO. 38 CATCH BASIN
D-CB-38SC		5'2" X 5'2" SQUARE CONCRETE NO. 38 CATCH BASIN

D-CB-39RB	05-27-01	PRECAST CIRCULAR NO. 39 CATCH BASIN
D-CB-39S	07-29-02	4' X 4' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SC		5'2" X 5'2" SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-39SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 39 CATCH BASIN
D-CB-40S	07-29-02	4' X 8' RECTANGULAR CONCRETE NO. 40 CATCH BASIN
D-CB-41LP	05-27-01	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 41LP CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41P	07-29-02	4' X 3' PRECAST RECTANGULAR CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41RB	05-27-01	PRECAST CIRCULAR NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41S	07-29-02	4' X 3' RECTANGULAR CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SB	07-29-02	4' X 4' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SC	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-42RB	05-27-01	PRECAST CIRCULAR NO. 42 CATCH BASIN
D-CB-42S	07-29-02	32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	05-27-01	4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SC		5'2" X 5'2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SD	09-11-02	7' X 7' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-43R	05-27-01	PRECAST CIRCULAR NO. 43R CATCH BASIN
D-CB-43SB	07-29-02	8' X 4' RECTANGULAR CONCRETE NO. 43SB CATCH BASIN

D-CB-43SC	07-29-02	8' X 5'2" RECTANGULAR CONCRETE NO. 43SC CATCH BASIN
D-CB-44SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 44 CATCH BASIN
D-CB-45S	05-27-01	8' X 4' RECTANGULAR CONCRETE NO. 45 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-46SE	<u>02-13-04</u>	9' X 9' SQUARE CONCRETE NO. 46 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-51SC	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 51 CATCH BASIN (FOR USE IN FRONT OF CONCRETE RETAINING WALL)
D-CB-51SD		7' X 7' SQUARE CONCRETE NO. 51 CATCH BASIN (FOR USE IN FRONT OF CONCRETE RETAINING WALL)
D-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16, AND 17 TYPE CATCH BASINS
D-CBB-12B	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & 6" MOUNTABLE INLET DETAILS FOR NOS. 25, 26 AND 27 TYPE CATCH BASINS
D-CBB-12C	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & 4" MOUNTABLE INLET DETAILS FOR NOS. 28 AND 29 TYPE CATCH BASINS
D-CBB-13	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NO. 13 TYPE CATCH BASINS
D-CBB-31	05-27-01	TYPE "B" CAST IRON FRAME, GRATE & INLET DETAILS FOR NOS. 31, 41, 45, 46, & 51 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-JBS-1	07-29-02	32" X 32" SQUARE CONCRETE NO. 1 JUNCTION BOX
D-JBS-2	07-29-02	4' X 4' SQUARE CONCRETE NO. 2 JUNCTION BOX
D-JBS-3	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 3 JUNCTION BOX
D-JBS-4	09-11-02	7' X 7' SQUARE CONCRETE NO. 4 JUNCTION BOX
D-JBS-5	09-11-02	9' X 9' SQUARE CONCRETE NO. 5 JUNCTION BOX
D-MH-2	05-27-01	MASONRY & PRECAST NO. 3 MANHOLE
D-MH-3	04-15-00	PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE
D-MH-3A	05-27-01	PRECAST CIRCULAR LID DETAILS FOR NO. 3 MANHOLE (108" AND 120" DIA.)

D-MH-4	05-27-01	NO. 3 MANHOLE CASTINGS AND STEPS
D-MH-5	09-11-02	5'2" X 5'2" SQUARE CONCRETE NO. 3 MANHOLE
D-MH-6	09-11-02	7' X 7' SQUARE CONCRETE NO. 3 MANHOLE
D-MH-7	09-11-02	9' X 9' SQUARE CONCRETE NO. 3 MANHOLE
D-SDS-1	07-29-02	32" X 32" SQUARE CONCRETE NO. 1 SPRING DRAIN BOX
D-SDS-2A	07-29-02	4' X 4' SQUARE CONCRETE NO. 2A SPRING DRAIN BOX
D-SDS-2B	07-29-02	4' X 4' SQUARE CONCRETE NO. 2B SPRING DRAIN BOX
D-SDS-3A	07-29-02	5'2" X 5'2" SQUARE CONCRETE NO. 3A SPRING DRAIN BOX
D-SLD-1	05-27-01	SLOTTED DRAINS
D-SLD-2	05-27-01	SLOTTED DRAINS
D-SLD-3	05-27-01	SLOTTED DRAINS

**ROADWAY AND PAVEMENT APPURTENANCES**

RP-CS-1	05-27-01	CONCRETE SHOULDER RUMBLE STRIP DETAIL (FOR 4-LANE DIVIDED HIGHWAY)
RP-CS-2	05-27-01	CONCRETE SHOULDER RUMBLE STRIP DETAIL (FOR 6-LANE OR WIDER DIVIDED HIGHWAY)
RP-D-14	05-27-96	DETAILS OF CONCRETE DRIVEWAYS
RP-DHO-1	10-26-93	MEDIAN OPENINGS ON 4-LANE DIVIDED HIGHWAY
RP-H-1	05-27-96	HANDICAP RAMP
RP-I-5	12-18-96	EXAMPLES OF STREET AND ALLEY INTERSECTIONS
RP-J-1	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-3	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-5	07-01-01	TYPICAL ACCELERATION AND DECELERATION LANE JOINT TYPES AND SPACING FOR CONCRETE RAMPS
RP-J-7	10-26-00	CONCRETE RAMP JOINT TYPES AND SPACING
RP-J-9	01-19-02	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
RP-J-11	07-29-96	3/4" AND 1-3/4" EXPANSION AND EDGE PAVEMENT JOINTS
RP-J-13	03-20-91	3/4" AND 1-3/4" ELASTOMERIC COMPRESSION JOINT SEALS
RP-J-15	01-19-02	LONGITUDINAL CONTRACTION AND CONSTRUCTION JOINTS
RP-J-17	10-26-00	DOWEL ASSEMBLY DEVICES
RP-J-18	10-26-00	DOWEL ASSEMBLY DEVICES
RP-J-19	10-26-00	DOWEL ASSEMBLY DEVICES
RP-J-23	01-19-02	CONCRETE PAVEMENT REPAIR DETAILS
RP-J-24	05-27-01	CONCRETE PAVEMENT SPALL AND RANDOM CRACK REPAIR DETAILS
RP-J-25	05-27-01	CONCRETE PAVEMENT JOINT REPAIR DETAILS

**Revision Date 07/15/04**

RP-MC-1	02-28-02	STANDARD 4" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-MC-2	02-28-02	STANDARD 6" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-NMC-10	<u>07-29-03</u>	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-NMC-11	02-28-02	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-PMR-1	05-27-01	DETAILS FOR PROPOSED PERMANENT MAINTENANCE RAMP
RP-R-1	05-27-01	RAMPS TO SIDE ROADS
RP-S-7	07-29-96	DETAILS FOR STANDARD CONCRETE SIDEWALKS
RP-S-8	01-19-93	DETAILS FOR STANDARD CONCRETE STEPS AND PIPE HANDRAILS



**SAFETY APPURTENANCES AND FENCE**

S-F-10	07-17-81	RIGHT-OF-WAY STOCK FENCE
S-F-10A	07-17-81	RIGHT-OF-WAY STOCK FENCE WITH TIMBER POSTS
S-F-10B	05-27-01	RIGHT-OF-WAY CHAIN LINK FENCE
S-FG-11	05-02-90	STOCK FENCE GATE
S-FG-20	05-02-90	EXAMPLES OF WATER GATES AND WATER CROSSINGS
S-GR-11	<u>09-05-03</u>	W-BEAM & THRIE BEAM BARRIER RAIL AND RUB RAIL ALTERNATES
S-GR-12	<u>05-27-03</u>	W-BEAM BARRIER POST DETAILS AND SPECIFICATIONS
S-GR-13	<u>05-27-03</u>	<u>BARRIER RAIL MOUNTING, POST BLOCK-OUTS WITH VERTICAL ADJUSTMENT HOLES</u>
<u>S-GR-13A</u>		<u>BARRIER RAIL MOUNTING POST FOR PLASTIC BLOCK-OUTS WITH HORIZONTAL ADJUSTMENT HOLES</u>
S-GR-14	09-05-98	W-BEAM BARRIER FASTENING HARDWARE AND BRIDGE APPROACH DELINEATORS
S-GR-15	<u>09-05-03</u>	W-BEAM BARRIER TERMINAL ELEMENT DETAILS
S-GR-16	05-27-01	GUARDRAIL BARRIER TREATMENT FOR PIERS IN MEDIAN
S-GR-17	09-11-02	BRIDGE END PROTECTION IN MEDIAN FOR DUAL BRIDGE
S-GR-18	05-27-01	GUARDRAIL TERMINAL (TYPE IN-LINE) AND SHOULDER LINE DETAIL
S-GR-19	<u>10-26-03</u>	GUARDRAIL TERMINAL ANCHORS, TYPE 12 AND TYPE 13
<u>S-GR-19A</u>	<u>05-27-04</u>	<u>DETAILS FOR CONSTRUCTION OF TYPE 12 GUARDRAIL TERMINAL</u>
S-GR-20	05-27-01	MEDIAN DIVIDER GUARDRAIL AND GUARDRAIL TERMINAL ANCHORS
S-GR-21	<u>04-15-04</u>	LENGTH OF NEED AND TERMINAL REQUIREMENTS IN FILLS
S-GR-22	04-15-02	GUARDRAIL ATTACHMENT TO CONCRETE DECKS OF BOX AND SLAB CULVERTS AND BRIDGES
S-GR-23	05-27-01	GUARDRAIL ATTACHMENT TO STRUCTURES AND PROTECTIVE GUARDRAIL AT BRIDGE ENDS DETAILS

S-GR-24	05-27-01	MINIMUM INSTALLATION LENGTH FOR PROTECTIVE GUARDRAIL AT BRIDGE ENDS
S-GR-26	09-05-01	GUARDRAIL TERMINAL ANCHOR (TYPE 21) POST LAYOUT AND ERECTION DETAILS
S-GR-27	<u>05-27-03</u>	GUARDRAIL TERMINAL ANCHOR (TYPE 21) ELEMENT ASSEMBLY DETAILS
S-GR-28	12-18-98	GUARDRAIL TERMINAL ANCHOR (TYPE 21) POST AND ASSEMBLY DETAILS
S-GR-32	<u>05-27-03</u>	ET-2000 GUARDRAIL TERMINAL ANCHOR (TYPE 38) POST LAYOUT AND ERECTION DETAILS
S-GR-33	02-01-99	ET-2000 (2 TUBE) GUARDRAIL ELEMENT ASSEMBLY DETAILS
S-GR-34	<u>05-27-03</u>	ET-2000 (2 TUBE) POST AND ASSEMBLY DETAILS
S-GR-35	<u>05-01-03</u>	SKT-350 GUARDRAIL TERMINAL ANCHOR (TYPE 38) POST LAYOUT AND ERECTION DETAILS
S-GR-36	<u>05-01-03</u>	SKT-350 (2 TUBE) GUARDRAIL ELEMENT ASSEMBLY DETAILS
S-GR-37	10-10-01	SKT-350 (2 TUBE) POST AND ASSEMBLY DETAILS
S-GR-38	05-27-01	DETAILS FOR CONSTRUCTION OF EARTH PAD FOR TYPE 38 GUARDRAIL END TERMINALS
S-GR-39	05-27-01	DETAILS FOR CONSTRUCTION OF EARTH PAD FOR TYPE 21 GUARDRAIL END TERMINALS
S-GR-40	09-11-01	BEST GUARDRAIL TERMINAL ANCHOR (TYPE 38) POST LAYOUT AND ERECTION DETAILS
S-GR-41		BEST (2 TUBE) GUARDRAIL ELEMENT ASSEMBLY DETAILS
S-GR-42		BEST (2 TUBE) POST AND ASSEMBLY DETAILS
S-MB-1	05-27-01	CONCRETE MEDIAN BARRIER
S-MB-2	05-27-01	CONCRETE MEDIAN BARRIER (BRIDGE PIER PROTECTION)
S-MB-3	10-26-99	CONCRETE GLARE SCREEN MEDIAN BARRIER
S-MB-3A	10-26-99	CONCRETE GLARE SCREEN MEDIAN BARRIER
S-MB-4	05-27-01	CONCRETE GLARE SCREEN MEDIAN BARRIER (BRIDGE PIER PROTECTION)

Revision Date 07/15/04

S-MB-7		STANDARD DETAILS FOR CONCRETE BARRIER WALL INCLUDING GUARDRAIL ATTACHMENT
S-MB-8		STANDARD DETAILS FOR CONCRETE BARRIER WALL AT BRIDGE BENTS INCLUDING GUARDRAIL ATTACHMENT
S-RP-2	01-19-99	CONCRETE RIGHT-OF-WAY MARKERS

**TRAFFIC CONTROL APPURTENANCES**

T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-L-1	11-12-93	LIGHTING DETAILS - SUPPORTS
T-L-1A	10-26-95	LIGHTING DETAILS - FOUNDATIONS
T-L-2	<u>09-11-03</u>	<u>FOUNDATION DETAIL FOR LUMINAIRE MOUNTED ON A CONCRETE MEDIAN BARRIER</u>
T-L-3	04-15-96	LIGHTING DETAILS - PULL BOXES
T-L-4	07-29-96	LIGHTING DETAILS - CONDUIT AND CABLE INSTALLATION
T-M-1	<u>04-15-04</u>	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	<u>04-15-04</u>	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	09-19-91	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	09-05-01	INTERSECTION PAVEMENT MARKINGS
T-M-5	<u>04-15-04</u>	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-6	07-29-98	MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-7	07-29-98	GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	07-29-98	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	12-12-00	MARKING DETAILS FOR RAMP INTERSECTIONS
T-PBR-1	<u>02-22-04</u>	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2		DETAIL FOR VERTICAL PANELS
T-RR-1	01-19-99	TYPICAL PAVEMENT MARKING AT RAILROAD-HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-2	07-29-96	DRAWING FOR RAILROAD AND HIGHWAY CROSSING SIGNAL WITH GATE
T-RR-3	07-29-96	DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL

T-RR-4	07-29-96	DRAWING FOR TYPICAL CURB & GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING WITH OR WITHOUT GATES
T-RR-5	07-29-96	DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL TYPICAL CANTILEVER SIGN
T-S-6	02-12-91	MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-7	02-12-91	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S. NUMBERED ROUTES
T-S-8	07-15-91	HIGHWAY SHIELDS USED ON STATE ROUTES AND ARROWS
T-S-9	<u>05-27-03</u>	LAYOUT - GROUND MOUNTED SIGNS
T-S-10	<u>05-27-03</u>	MOUNTING DETAILS - FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-11	05-27-01	DELINEATOR AND MILEPOST DETAILS
T-S-12	<u>05-27-03</u>	STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	05-27-01	STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, I-BEAMS
T-S-14	05-27-01	STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS
T-S-15	12-07-90	CONDUIT & GROUND DETAILS FOR OVERHEAD & CANTILEVER SIGN STRUCTURES
T-S-16	05-27-01	GROUND MOUNTED SIGN AND DETAILS
T-S-17	10-26-96	GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	05-27-01	END OF ROADWAY AND DEAD END SIGNS, METAL BARRICADES (TYPE III) & WORK ZONE SPEED SIGNS
T-S-19	07-29-91	STANDARD MEMBERS BENDAWAY SIGN SUPPORTS STEEL DESIGN
T-S-20	05-27-01	SIGN DETAILS
T-SG-1	07-29-96	DETAIL OF WOODEN POLE, CONDUIT AND SPAN WIRE CONNECTORS
T-SG-2	04-15-96	LOOP LEAD-INS AND PULL BOXES
T-SG-3	04-15-96	NOTES AND DETAILS OF DETECTION LOOPS

T-SG-5	07-29-96	CONTROLLER CABINET DETAILS
T-SG-6	07-29-96	CONTROLLER CABINET MOUNTING DETAILS
T-SG-7	09-30-93	SIGNAL HEAD ASSEMBLIES AND PEDESTRIAN PUSH BUTTON DETAILS
T-SG-7A	02-14-92	TYPICAL SIGNAL HEAD PLACEMENT
T-SG-8	07-29-96	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-9	07-29-96	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-10	02-14-99	DETAILS AND NOTES FOR STRAIN POLES
T-SG-11		MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	06-13-95	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-WZ-10	01-19-01	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	<u>04-15-04</u>	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-12	<u>04-15-04</u>	ONE LANE CLOSURE DETAIL FOR BRIDGES ON DIVIDED HIGHWAYS
T-WZ-13	<u>04-15-04</u>	TWO-OUTSIDE LANE CLOSURE ON FREEWAY OR EXPRESSWAY
T-WZ-14	<u>04-15-04</u>	TWO-OUTSIDE LANE CLOSURE ON FREEWAY OR EXPRESSWAY (PORTABLE BARRIER RAIL)
T-WZ-15	<u>04-15-04</u>	INTERIOR LANE CLOSURE ON FREEWAYS OR EXPRESSWAYS
T-WZ-16	<u>04-15-04</u>	LANE SHIFT ON DIVIDED HIGHWAYS AND FREEWAYS (2000' OR LESS)
T-WZ-17	<u>04-15-04</u>	LANE SHIFT ON DIVIDED HIGHWAYS AND FREEWAYS (GREATER THAN 2000')
T-WZ-18	<u>04-15-04</u>	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-19	<u>04-15-04</u>	MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS
T-WZ-20	12-18-99	GEOMETRIC MEDIAN CROSS-OVER DETAIL ON DIVIDED HIGHWAYS

T-WZ-30	<u>04-15-04</u>	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)
T-WZ-31	<u>04-15-04</u>	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (GREATER THAN 40 MPH)
T-WZ-32	12-18-99	TRAFFIC CONTROL PLAN SIGNAL LAYOUT FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-33	05-27-98	TRAFFIC CONTROL PLAN FOR CLOSE INTERSECTION CONDITIONS USING TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-34	12-18-99	TRAFFIC CONTROL PLAN GENERAL NOTES FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-35	<u>07-29-03</u>	TRAFFIC CONTROL PLAN PAY ITEM AND SIGN DETAILS FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-36	01-19-00	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	<u>04-15-04</u>	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	<u>04-15-04</u>	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-42	<u>04-15-04</u>	CENTER LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-50	<u>07-29-03</u>	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 2 OR 3 LANE MAJOR ROUTES
T-WZ-51	<u>07-29-03</u>	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR 5 LANE MAJOR ROUTES
T-WZ-52	<u>07-29-03</u>	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR 5 LANE MAJOR AND MINOR ROUTES
T-WZ-53	<u>07-29-03</u>	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR MORE LANE DIVIDED MAJOR ROUTES
T-WZ-54	<u>07-29-03</u>	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR MORE LANE DIVIDED MAJOR ROUTES AND 4 OR MORE LANE MINOR ROUTES

**EROSION CONTROL AND LANDSCAPING**

EC-STR-1	<u>03-15-04</u>	PAY ITEMS, GENERAL NOTES & TEMPORARY DEWATERING STRUCTURE
EC-STR-2	<u>05-27-04</u>	TEMPORARY SEDIMENT FILTER BAGS
<u>EC-STR-3A</u>	<u>12-18-03</u>	<u>TEMPORARY FILTER BARRIER</u>
<u>EC-STR-3B</u>	<u>12-18-03</u>	<u>TEMPORARY SILT FENCE</u>
<u>EC-STR-3C</u>	<u>12-18-03</u>	<u>TEMPORARY SILT FENCE WITH BACKING</u>
EC-STR-3D	<u>12-18-03</u>	TEMPORARY ENHANCED SILT FENCE
EC-STR-3E		EROSION CONTROL FABRIC JOINING DETAILS
EC-STR-4	<u>03-15-04</u>	TEMPORARY EROSION DITCH CHECK USING ENHANCED SILT FENCE
EC-STR-4A	<u>03-15-04</u>	TEMPORARY EROSION CHECK/FILTER USING ENHANCED SILT FENCE IN A TRIANGULAR CROSS-SECTION DITCH
EC-STR-5	<u>10-26-03</u>	STRAW OR HAY BALE OR FABRIC TEMPORARY EROSION CHECKS
EC-STR-6	01-22-03	ROCK CHECK DAMS
EC-STR-7	01-22-03	TEMPORARY SEDIMENT TRAP WITH TEMPORARY SILT SCREEN CHECK DAM
EC-STR-11	01-22-03	ROCK SILT SCREENS
EC-STR-12	01-22-03	TEMPORARY ROCK SEDIMENT DAM
EC-STR-13	01-22-03	TEMPORARY OR PERMANENT ROCK AND EARTH SEDIMENT DAM
EC-STR-15	05-27-01	SEDIMENT BASIN TYPE 1
EC-STR-16	12-18-95	SEDIMENT BASINS RISER AND COLLAR APPURTENANCES
EC-STR-17	05-27-01	SEDIMENT BASIN TYPE 1 DAM DETAILS
EC-STR-19	<u>03-15-04</u>	CATCH BASIN PROTECTION
EC-STR-21	05-27-01	PERMANENT RIP-RAP BASIN ENERGY DISSIPATOR



EC-STR-25	<u>07-29-03</u>	TEMPORARY ROAD STABILIZATION AND TEMPORARY CULVERT CROSSING
EC-STR-27	05-27-01	TEMPORARY SLOPE DRAINS AND BERMS
EC-STR-29	05-27-01	PERMANENT EROSION PIPE (SLOPE DRAIN)
EC-STR-31	12-18-02	TEMPORARY DIVERSION CHANNELS
EC-STR-34	01-22-03	INSTALLATION DETAIL FOR EROSION CONTROL BLANKETS
EC-STR-36	01-22-03	INSTALLATION DETAIL FOR FLEXIBLE CHANNEL LINER
<u>EC-STR-40</u>		<u>CATCH BASIN FILTER ASSEMBLY FOR CIRCULAR STRUCTURES</u>
<u>EC-STR-41</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 1)</u>
<u>EC-STR-41A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 1) SLIPCOVER DETAILS</u>
<u>EC-STR-42</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 2)</u>
<u>EC-STR-42A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS</u>
<u>EC-STR-43</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 3)</u>
<u>EC-STR-43A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 3) SLIPCOVER DETAILS</u>
<u>EC-STR-44</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 4)</u>
<u>EC-STR-44A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 4) SLIPCOVER DETAILS</u>
<u>EC-STR-45</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 5)</u>
<u>EC-STR-45A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 5) SLIPCOVER DETAILS</u>
<u>EC-STR-46</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 6)</u>
<u>EC-STR-46A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS</u>
<u>EC-STR-47</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 7)</u>
<u>EC-STR-47A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS</u>

<u>EC-STR-48</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 8)</u>
<u>EC-STR-48A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 8) SLIPCOVER DETAILS</u>
<u>EC-STR-49</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 9)</u>
<u>EC-STR-49A</u>		<u>CATCH BASIN FILTER ASSEMBLY (TYPE 9) SLIPCOVER DETAILS</u>
EL-P-10	05-27-96	TYPICAL ROADWAY LANDSCAPE PLANTING DETAILS
EL-P-11	05-27-96	TYPICAL MATURE PLANT SPREAD AND CRITERIA FOR PROXIMITY TO ROADWAY
EL-W-1	05-27-96	DETAILS OF TREE WALLS
EL-W-2	05-27-01	STANDARD GRAVITY-TYPE RETAINING WALLS