

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
VOLUME I		
Erosion Control		
Oct-1998	ER 01	Devices Silt Fence
Oct-1998	ER 02	Devices Straw Bales
Oct-1998	ER 03	Devices Silt Fence with Straw Bale Dike
May-1998	ER 04	pH Calculation Lime Requirements for Acid Soils
May-1998	ER 05	pH Calculation Lime Requirements for Acid Soils
May-1998	ER 06	pH Calculation Lime Requirements for Acid Soils
May-1998	ER 07	pH Calculation Lime Requirements for Acid Soils
Oct-1998	ER 17	Slope Protection Plastic Liner Installation
Portland Cement Concrete Pavement		
Apr-1996	PCCP 01	Typical Sections
Apr-1996	PCCP 02	Shoulders Typical Sections Types A, B and C
Apr-1996	PCCP 03	Typical Median Sections
Dec-1998	PCCP 04	Joint Details
Apr-1996	PCCP 05	Pavement Drain Details
May-1998	PCCP 06	AC and DC Lanes
Jul-2000	PCCP 06A	Approved List
Portland Cement Concrete Pavement Restoration		
May-1999	PCCPR 01	PCC Pavement Restoration Installation of Steel Dowel and Tie Bars
May-1999	PCCPR 02	PCC Pavement Restoration Joint Details
May-1998	PCCPR 03	PCC Pavement Restoration Partial Depth Patching
May-1999	PCCPR 04	PCC Pavement Restoration Slabjacking and undersealing
Jul-2000	PCCPR 04A	Approved List
Miscellaneous Pavement Details		
Feb-2000	MPD 1/5	Typical Pavement Sections Widening
Miscellaneous Bituminous Pavement Details		
May-2010	MBPD 01	Notes for Transition to Bituminous Pavements and Structures
May-2010	MBPD 02	Details for Transition to Bituminous Pavements and Structures Type 1
May-2010	MBPD 03	Details for Transition to Bituminous Pavements and Structures Type 2

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
May-2010	MBPD 04	Details for Transition to Bituminous Pavements and Structures Type 3
May-2010	MBPD 05	Details for Transition to Bituminous Pavements and Structures Type 4
May-2010	MBPD 06	Placing Sequence of Bituminous Course Type 4
May-2010	MBPD 07	Details for Transition to Bituminous Pavements and Structures Type 5
May-2010	MBPD 08	Placing Sequence of Bituminous Course Type 5
May-2010	MBPD 09	Details for Transition to Bituminous Pavements and Structures Type 6
May-2010	MBPD 10	Placing Sequence of Bituminous Course Type 6
May-2010	MBPD 11	Details for Transition to Bituminous Pavements and Structures Type 7
May-2010	MBPD 12	Placing Sequence of Bituminous Course Type 7
May-2010	MBPD 13	Details for Transition to Bituminous Pavements and Structures Type 8
May-2010	MBPD 14	Placing Sequence of Bituminous Course Type 8
Miscellaneous Concrete Pavement Details		
May-2010	MCPD 01	Notes for Transition to Concrete Pavements and Structures
May-2010	MCPD 02	Details for Transition to Concrete Pavements and Structures Type 1
May-2010	MCPD 03	Details for Transition to Concrete Pavements and Structures Type 2
May-2010	MCPD 04	Details for Transition to Concrete Pavements and Structures Type 3
May-2010	MCPD 05	Details for Transition to Concrete Pavements and Structures Type 4
May-2010	MCPD 06	Placing Sequence of Bituminous Course Type 4
May-2010	MCPD 07	Details for Transition to Concrete Pavements and Structures Type 5
May-2010	MCPD 08	Placing Sequence of Bituminous Course Type 5
May-2010	MCPD 09	Details for Transition to Concrete Pavements and Structures Type 6
May-2010	MCPD 10	Placing Sequence of Bituminous Course Type 6
May-2010	MCPD 11	Details for Transition to Concrete Pavements and Structures Type 7
May-2010	MCPD 12	Details for Transition to Concrete Pavements and Structures Type 8
May-2010	MCPD 13	Details for Transition to Concrete Pavements and Structures Type 9
May-2010	MCPD 14	Details for Transition to Concrete Pavements and Structures Type 10
May-2010	MCPD 15	Details for Transition to Concrete Pavements and Structures Type 11
May-2010	MCPD 16	Details for Transition to Concrete Pavements and Structures Type 12
May-2010	MCPD 17	Placing Sequence of Bituminous Course Type 12

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
May-2010	MCPD 18	Details for Transition to Concrete Pavements and Structures Type 13
May-2010	MCPD 19	Placing Sequence of Bituminous Course Type 13
May-2010	MCPD 20	Details for Transition to Concrete Pavements and Structures Type 14
May-2010	MCPD 21	Placing Sequence of Bituminous Course Type 14
Shelters		
Oct-1997	BSS 01	Bus Stop Shelter Construction details
Oct-1997	BSS 02	Bus Stop Shelter Construction details
Reinforced Concrete Pipe Installation Methods		
Apr-1996	RCP 01	Reinforce Concrete Pipe Installation Methods
Apr-1996	RCP 02	Embankment Beddings
Apr-1996	RCP 03	Trench Beddings
Aug-1999	RCP 04	Allowable Height of Fill Above Top of Circular Concrete Pipe
PVC Pipe Installation Methods		
May-1998	PVCP 01	Negative Projection and Trench Method
Corrugated PE Pipe Installation Method		
Jul-2000	PEP 01	Installation Method Negative projection and trench method
Sep-1996	PEP 02	Polyethylene End Section
Drainage		
Dec-2000	DR 01	Approved List of Cast Iron Manufacturers and Products
Dec-1998	DR 02	Slotted Pipe and Installation Details
Dec-1998	DR 03	Manhole for Slotted Pipe from 18" Ø to 36" Ø
Dec-1998	DR 04	Slotted Pipe and Installation Details for Existing Conditions
Dec-1998	DR 05	Manhole for Slotted Pipe on Existing Conditions from 18" Ø to 36" Ø
Dec-1998	DR 06	Inlet Type 1 from 18" Ø to 30" Ø Bicycle grate
Dec-1998	DR 07	Inlet Type 1 from 18" Ø to 30" Ø Alternate grate
Dec-1998	DR 08	Inlet Type 1A from 36" Ø to 48" Ø Alternate grate
Dec-1998	DR 09	Inlet Type 1A from 36" Ø to 48" Ø Bicycle grate
Dec-1998	DR 10	Inlet Type 2 from 18" Ø to 30" Ø

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Dec-1998	DR 11	Inlet Type 2A from 36" Ø to 48" Ø
Dec-1998	DR 12	Inlet Type 3 from 18" Ø to 30" Ø
Dec-1998	DR 13	Inlet Type 3A from 36" Ø to 48" Ø
Dec-1998	DR 14	Inlet Type 4 from 18" Ø to 30" Ø
Dec-1998	DR 15	Inlet Type 4A from 36" Ø to 48" Ø
Dec-1998	DR 16	Inlet Type 5 (Depressed Grass Median)
Dec-1998	DR 17	Precast Curb Drains
Dec-1998	DR 18	Bridge End Inlets
Dec-1998	DR 19	Precast Concrete End Section
Dec-1998	DR 20	Metal End Sections
Dec-1998	DR 21	Reinforced Concrete Headwalls Type "A" and "B"
Dec-1998	DR 22	Transversible Headwall Type C with Load-Carrying Grate
Dec-1998	DR 23	Headwall Type D
Dec-1998	DR 24	Manhole Adjustments
Dec-1998	DR 25	Manhole Adjustments
Oct-2000	DR 25A	Manhole Adjustments Manufactured by Andrews Metal Products
Oct-2000	DR 25B	Manhole Adjustments Manufactured by Andrews Metal Products
Oct-2000	DR 25C	Manhole Adjustments Manufactured by Andrews Metal Products
Oct-2000	DR 25D	Manhole Adjustments Manufactured by Andrews Metal Products
Dec-1998	DR 26	Typical Curbs
Metal Barrier		
Sep-2009	MB 01	W-Beam Strong Post Hardware
Sep-2009	MB 02	W-Beam Strong Post Hardware
Sep-2009	MB 03	W-Beam Strong Post Hardware
Sep-2009	MB 04	W-Beam Strong Post Hardware
May-1998	MB 05	W-Beam Strong Post Hardware
Feb-1997	MB 05A	W-Beam Strong Post Hardware

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Feb-1997	MB 06	W-Beam Strong Post Single Face Assembly & Elevation Details
Dec-2000	MB 06A	W-beam strong-post Timber blockout details
Dec-2000	MB 06B	W-Beam Strong Post Plastic blockout details
Dec-2000	MB 06C	W-Beam Strong Post - Plastic Blockout Details
Dec-2000	MB 06D	W-Beam Strong-Post Plastic blockout details
Feb-1997	MB 07	W-Beam Strong Post Highway Lighting
Feb-1997	MB 08	W-Beam Strong Post Single Face Terminal Type MA
Sep-2009	MB 09	W-Beam Strong Post Single Face Terminal Type MB
Oct-1997	MB 10	W-Beam Strong Post Single Face Terminal Type MC
Sep-2009	MB 11	W-Beam Strong Post Transition section to concrete parapet Transition module details
Sep-2009	MB 12	W-Beam Strong Post Transition section on concrete parapet Transition module details
Sep-2009	MB 13	W-Beam Strong Post Transition section to concrete parapet Transition module details
Sep-2009	MB 14	W-Beam Strong Post Transition section to concrete parapet Existing bridge transition upgrade
Sep-2009	MB 14A	W-Beam Strong Post Transition section to concrete parapet Existing bridge transition upgrade in approach slab condition
Sep-2009	MB 14B	W-Beam Strong Post Transition section to concrete parapet Existing bridge transition upgrade in wingwall condition
May-1998	MB 16	Reduced Post Spacing
Dec-1998	MB 18	W-Beam Strong Post Double Face Connection Concrete Barrier Type C
Feb-1997	MB 19	W-Beam Strong Post Double Face Median Treatment

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Oct-1996	MB 19A	W-Beam Strong Post Double Face Median Treatment
Feb-1997	MB 20	W-Beam Strong Post Double Face Terminal Type MA-MED
Oct-1997	MB 21	W-Beam Strong Post Double Face Terminal Type MB-MED
Oct-1997	MB 23	W-Beam Strong Post Double Face Connection Concrete Barrier Type A
Oct-1997	MB 24	Transition W-Beam Strong Post to Weak Post Single face
Feb-1997	MB 25	Transition W-Beam Strong Post to Weak Post Single Post
Feb-1997	MB 26	Transition W-Beam Strong Post to Box Beam Single Face
Feb-1997	MB 27	Transition W-Beam Strong Post to Box Beam Double Face
Feb-1997	MB 28	Box Beam Concrete Barrier
May-1998	CB 01	F Shape
Jul-1997	CB 02	Types B & C in Combination with Slotted Pipe
Apr-1996	CB 04	Open for Pedestrian Crossing
Apr-1996	CB 05	Joint with End Section and Construction Joint
Apr-1996	CB 06	End Section
Apr-1996	CB 06A	End Sections
Apr-1996	CB 07	At Structure Column and Manhole Shaft
Apr-1996	CB 08	Highway Luminaire Mounting Detail Highway Lighting
Jun-1996	LS 01	Standard Legend, Notes & Design Criteria
Nov-1996	LS 02	Aluminum Lighting Standard
Nov-1996	LS 03	Special Lighting Standard
Jun-1996	LS 04	Lighting Pole Installation Detail
Nov-1996	LS 05	Pole Base and Anchor Detail
Jun-1996	LS 06	Pull Box For Lighting Circuits Detail
Nov-1996	LS 07	Arm Support & Hand Hole Detail
Jun-1996	LS 08	Underpass and Pedestrian Bridge Standard
Jun-1996	LS 09	Pole Mounted Substation Standard-I
Jun-1996	LS 10	Pad Mounted Substation Standard II
Jun-1996	LS 11	Pad Mounted Substation Standard III
Jun-1996	LS 12	Median Barrier Mounting Detail
Jun-1996	LS 13	Trench Detail Standard
Nov-1996	LS 14	High Mast Lighting Standard

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Jun-1996	LS 15	High Mast Detail
Jun-1996	LS 16	Temporary Lighting Standard
Dec-1998	LS 17	Alternate Bases for aluminium lighting poles
May-1998	LS 17A	Alternate Bases Precast base for round high mast 80'-0" and 100'-0" high
Impact Attenuators		
Jan-2010	IA 01	Modules
Jan-2010	IA 02	Modules
Jan-2010	IA 03	Typical Module Arrays
Jan-2010	IA 04	Alternate Module Arrays
Markers and Delineators		
Oct-1997	DLN 01	Delineators Standard mounting Type 1, 2, 3, & 4
Oct-1997	DLN 02	Delineators Typical application Types 1, 2, 3, & 4
Planting		
May-1998	PL 01	Pruning Broadleaf evergreens and deciduous plants
May-1998	PL 02	Pruning Cutting procedures
May-1998	PL 03	Pruning Location of the pruning cut
Jan-2000	PL 04	Method of planting tree seedling
Jan-2000	PL 05	Planting pits details
Jan-2000	PL 05A	Planting pits details
Jan-2000	PL 06	Planting details Staking, guying and wrapping
Jan-2000	PL 07	Slope planting details Staking, guying and wrapping
Turf Establishment		
Oct-1998	TUST 01	Jute Mesh Placement
Maintenance and Protection of Traffic		
Oct-2000	MPT 01	Channelizing Devices
Feb-2000	MPT 02	Channelizing Devices
Apr-1996	MPT 03A	F Shape Temporary Concrete Barrier with Vertical I-Beam
Apr-1996	MPT 04	F Shape Temporary Concrete Barrier with Pin & Rebar
Apr-1996	MPT 05	F Shape Temporary Concrete Barrier with Side Plate
Apr-1996	MPT 06	F Shape Temporary Concrete Barrier with Wire Rope and Pin Connection
Apr-1996	MPT 07	Temporary Concrete Barrier, Positive Connecting Barrier J-J Hook Design

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Sep-2009	MPT 08	Concrete Barrier, Temporary End Section
Oct-1996	MPT 08A	Temporary Impact Attenuator
Apr-1996	MPT 09	Polyethylene Barrier System
Apr-1996	MPT 09A	Polyethylene Barrier System
Apr-1996	MPT 10	Work Zone Design Criteria
Apr-1996	MPT 11	Typical Application Diagrams
Apr-1996	MPT 12	Typical Application Diagrams
Apr-1996	MPT 13	Typical Application Diagrams
Apr-1996	MPT 14	Typical Application Diagrams
Apr-1996	MPT 15	Typical Application Diagrams
Apr-1996	MPT 16	Typical Application Diagrams
Feb-1997	MPT 17	Typical Application Diagram
Apr-1996	MPT 18	Typical Application Diagrams
Apr-1996	MPT 19	Typical Application Diagrams
Oct-1997	MPT 20	Typical Application Diagrams
Apr-1996	MPT 21	Warning Signs
Apr-1996	MPT 21A	Warning Signs
Nov-1996	MPT 22	Warning Signs
Sep-2009	MPT 23	Temporary Traffic Signs Mounting Details

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
VOLUME II		
Gravity Retaining Wall		
Oct-1997	REWA 01	Gravity Retaining Wall Dimensions
Fences and Gates		
Oct-1997	FEGA 01	Barbed Wire Fence
Oct-1997	FEGA 02	Chainlink Gate and Fence
Oct-1997	FEGA 03	Wire Mesh Fence
Oct-1997	FEGA 04	Wire Mesh Fence (For access control)
Miscellaneous Bridge Details		
Sep-2009	MBD 01	General Notes
Sep-2009	MBD 02	Expanded Metal Fence for Bridge
Sep-2009	MBD 03	Expanded Metal Fence for Bridge
Sep-2009	MBD 04	Bridge Name Plate Details
Sep-2009	MBD 05	Location of Bridge Name Plate
Ada Ramps Details		
Sep-2009	ADA 01	Ada Ramp Details
Field and Laboratory Office		
Oct-1997	FILA 01	Field and Laboratory Office Model 1
Oct-1997	FILA 02	Field and Laboratory Office Model 2
Oct-1997	FILA 03	Field and Laboratory Office Model 3
Oct-1997	FILA 04	Field and Laboratory Office Model 4
Oct-1997	FILA 05	Field and Laboratory Office Model 5
Small Traffic Sign		
Jul-2000	STS 01	Steel flanged channel and square steel Post details
Oct-2000	STS 02	Steel flanged channel post Foundation details
Dec-1999	STS 03	Steel flanged channel Base post to top post connection details
Jul-2000	STS 04	Square steel post Foundation and connection details
Jul-2000	STS 04A	Steel flanged channel or square steel post
Dec-1999	STS 04B	Precast base
Jan-2000	STS 05	Fasteners for attaching sign plates to top post
Dec-2000	STS 05A	Fasteners for attaching sign plates to top post
Jul-2000	STS 06	Steel flanged channel and square steel post "L", "T", "+" and "45" flat plates
Oct-2000	STS 07	General notes
May-1998	STS 08	Blank plate standards
Dec-1999	STS 08A	Blank plate standards
May-1998	STS 09	Metric equivalents

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Dec-1999	STS 10	Sign panel splices
Jul-2000	STS 11	Steel flanged channel and square steel post Mounting on sidewalk areas with planting strip
Jul-2000	STS 12	Steel flanged channel and square steel post Mounting on sidewalk areas with planting strip
Dec-1999	STS 12A	Steel flanged channel and square steel post Typical post location for mounting on sidewalk areas with or without planting strip
Oct-2000	STS 13	Steel flanged channel and square steel post Rural mounting or mounting on grass area
Dec-1999	STS 13A	Steel flanged channel and square steel post Typical post location for rural mounting
Dec-1999	STS 14	Offset drawings Autopista and other highways with 9 meter clear zone
Dec-1999	STS 15	Offset drawings Highways with intermediate clear zone
Dec-1999	STS 16	Offset drawings Highways with minimum right of way and cross section
Jul-2000	STS 17	Bridge mounting detail
Jan-2000	STS 18	Chevron mounting detail for two way roadways
Dec-1998	STS 19	Route Markers
Dec-1998	STS 19A	Route Markers
Dec-1998	STS 19B	Route Markers Tollways route marker
Jul-2000	STS 20	Route Markers Auxiliary plates
Jul-2000	STS 20A	Route Markers Auxiliary plates
Jul-2000	STS 21	Route Markers Auxiliary plates
Feb-2000	STS 21A	Route Markers Auxiliary plates
Jul-2000	STS 22	Route Markers Sign assembly details
Jul-2000	STS 22A	Route Markers Sign assembly details
Jul-2000	STS 22B	Route Markers Sign assembly details
Jul-2000	STS 22C	Route Markers Sign assembly details
Ground Mounted		
Oct-2000	GMTS 01	Break-Away Signs Specifications and Post Selection
Oct-2000	GMTS 02	Break-Away Signs Sign Panel Assembly
Oct-2000	GMTS 02A	Break-Away Signs Sign panel splice details

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Jul-2000	GMTS 03	Break-Away Signs Offset Drawings Autopista & other highways with 9 meter clear zone
Jul-2000	GMTS 04	Break-Away Signs Offset Drawings Highway with Intermediate Clear Zone
Jul-2000	GMTS 05	Break-Away Signs Offset Drawings Highway with minimal right of way
Jul-2000	GMTS 06	Break-Away Signs Fuse and Hinge Plates
Oct-2000	GMTS 07	Break-Away Signs Base Connection
Jul-2000	GMTS 08	Break-Away Signs Foundations Drilled Shafts
Jul-2000	GMTS 09	Break-Away Signs Foundations Spread Footing
Dec-1999	GMTS 10	Break-Away Signs Structural Shapes Data
Feb-1999	GMTS 11	Break-Away Signs Route Markers General Notes
Feb-1999	GMTS 11A	Break-Away Signs Sign Assembly Details For 36" x 36"
Jul-2000	GMTS 11B	Break-Away Signs Route Markers Sign Assembly Details for 36" x 36"
Jul-2000	GMTS 11C	Break-Away Signs Route Markers Sign Assembly Details for 36" x 36"
Jul-2000	GMTS 11D	Break-Away Signs Route Markers Sign Assembly Details for 48" x 48"
Jul-2000	GMTS 11E	Break-Away Signs Route Markers Sign Assembly Details for 48" x 48"
Jul-2000	GMTS 11F	Break-Away Signs Route Markers Sign Assembly Details for 48" x 48"
Jul-2000	GMTS 12	Break-Away Signs Exit Number Panel
Dec-2000	GMTS 12A	Break-Away Signs Exit Number Panel Attachment and Location Detail
Aug-1999	GMTS 12B	Break-Away Signs Exit Number Panel Fuse and Hinge Plates

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Oct-2000	GMTS 12C	Break-Away Signs Exit Number Panel Base Connection
Jul-2000	GMTS 12D	Break-Away Signs Exit Number Panel Foundations Drilled Shafts
Jan-2000	GMTS 12E	Break-Away Signs Exit Number Panel Structural Shapes Data
Aug-1999	GMTS 13	Break-Away Signs Intersection Plate
		Overhead Sign
Oct-2000	OHTS 01	Specifications and Notes
Oct-2000	OHTS 01A	Specifications and Notes
Dec-2000	OHTS 02	Approved List of Manufacturers for Overhead Structures Types
Dec-2000	OHTS 02A	Index Approved structures shop drawings
Oct-2000	OHTS 03	Sign Panel Assembly
Oct-2000	OHTS 03A	Sign Panel Splice Details
Aug-1999	OHTS 04	Cantilever Types
Dec-1998	OHTS 05	Balanced Cantilever Types
Dec-1998	OHTS 06	Bridge Types
Dec-1998	OHTS 07	Bridge Types
Aug-1999	OHTS 08	Bridge with Cantilever Types
Aug-1999	OHTS 09	Bridge with Cantilever Types
Jul-2000	OHTS 10	Foundation for Cantilever Type
Jul-2000	OHTS 11	Foundation for Balanced Cantilever Type
Jul-2000	OHTS 12	Foundation for Bridge Type
Jul-2000	OHTS 13	Foundation for Bridge Type (Two columns)
Jul-2000	OHTS 14	Foundation for Bridge with Cantilever Type Foundation BC
Jul-2000	OHTS 15	Foundation for Bridge with Cantilever Type Foundation BC (Two posts)
Jul-2000	OHTS 16	Foundation for Bridge with Cantilever Type Foundation B
Jul-2000	OHTS 17	Foundation for Bridge with Cantilever Type Foundation B (Two posts)
Dec-1999	OHTS 18	Structural Shapes Data
		Sign Bridge Connection
Aug-1999	SBC 01	Skew Angle from 0° to 10°
Aug-1999	SBC 02	Skew Angle from 10° to 25°
		Guide Signs
Oct-2000	GS 01	General Information Signs General notes
Aug-1999	GS 02	Route Markers for Guide Signs Use

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Aug-1999	GS 03	Route Markers for Guide Signs Use
Aug-1999	GS 04	Cardinal Direction Word for Guide Signs Use
Dec-1999	GS 04A	Miscellaneous Details Accents
Aug-1999	GS 07	Port Sign
Sign Identification		
Jan-2000	SI 01	Identification label for sign panels
Jan-2000	SI 02	Identification plate for standard overhead sign structures
Jan-2000	SI 03	Identification plate for non-standard overhead sign structures
Destination Signs Panels		
Jul-2000	DSP 01	Arrows for Guide Signs
Recreational and Cultural Interest Area Signs		
Jul-2000	RCIA 01	General Notes
Jul-2000	RCIA 02	Auxiliary Plate
Jul-2000	RCIA 03	Auxiliary Plate
Jul-2000	RCIA 04	Parador Marker
Jul-2000	RCIA 05	Meson Marker
Jul-2000	RCIA 06	Parador and Meson Name Plate
Jul-2000	RCIA 07	Parador and Meson Name Plate Text
Jul-2000	RCIA 08	UPR Sign Plate
Oct-2000	RCIA 09	Area Signs General Notes
Oct-2000	RCIA 09A	Area Signs Tourist Plate Detail
Oct-2000	RCIA 10	Area Signs Paso Fino Route Sign
Oct-2000	RCIA 10A	Area Signs Paso Fino Route Map
Oct-2000	RCIA 11	Area Signs Flamboyán Route Sign
Oct-2000	RCIA 11A	Area Signs Flamboyán Route Map
Oct-2000	RCIA 12	Area Signs Coquí Route Sign
Oct-2000	RCIA 12A	Area Signs Coquí Route Map
Oct-2000	RCIA 13	Area Signs Cotorra Route Sign
Oct-2000	RCIA 13A	Area Signs Cotorra Route Map
Oct-2000	RCIA 14	Area Signs Panoramic Route Sign
Oct-2000	RCIA 14A	Area Signs Panoramic Route Map
Warning Signs		
Dec-2000	WS 01	Falling Rock

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
General Information Signs		
Jul-2000	GIS 01	General Notes
Jul-2000	GIS 02	Auxiliary Plate
Jul-2000	GIS 02A	Auxiliary Plate
Jul-2000	GIS 03	Principal Airport Sign
Jul-2000	GIS 04	Library Sign
Jul-2000	GIS 06	Bus Stop Sign
Dec-2000	GIS 07	Race Track
Dec-2000	GIS 08	Moscoso Bridge Sign
Gabions		
Jul-2000	GABI 01	Welded Wire Gabions Dimensions
Jul-2000	GABI 02	Welded Wire Gabions Binders and lacing patterns
Jul-2000	GABI 03	Welded Wire Gabions Installation procedures
Jul-2000	GABI 04	Welded Wire Gabions Geotextiles
Jul-2000	GABI 05	Twisted Wire Gabions Dimensions
Jul-2000	GABI 06	Twisted Wire Gabions Binders and lacing patterns
Jul-2000	GABI 07	Twisted Wire Gabions Installation procedures
Jul-2000	GABI 08	Twisted Wire Gabions Geotextiles
Oct-2000	GABI 08A	Approved List of Manufacturers
Oct-2000	GABI 09	Gravity Wall Stepped front face
Oct-2000	GABI 10	Gravity Wall Vertical front face
Pavement Marking		
Dec-2000	PM 01	General Notes
Oct-1997	TRSN 16	Pavement marking
Oct-1997	TRSN 17	Pavement marking details
Oct-1997	TRSN 18	Pavement marking and summary
Reference Location Sign		
Jan-2010	RLS 01	General Notes
Jan-2010	RLS 02	Kilometer Panel
Jan-2010	RLS 03	Kilometer and Hectometer Panel
Jan-2010	RLS 04	Assembly Details
Jan-2010	RLS 05	Foundation Details
Jan-2010	RLS 06	Rural Mounting or Mounting on Grass Area
Jan-2010	RLS 07	Mounting on Sidewalk Areas

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
Jan-2010	RLS 08	Offset Drawings Toll Roads and other Highways with 9 meter clear zone
Jan-2010	RLS 09	Offset Drawings Highways with intermediate clear zone
Jan-2010	RLS 10	Offset Drawings Highways with minimum right of way and cross section
Jan-2010	RLS 11	Typical Installations
Jan-2010	RLS 12	Typical Installations
Jan-2010	RLS 13	Typical Post Marker Placement
Traffic Signals		
Aug-1999	TRSI 01	Signal Faces
Oct-1997	TRSI 01	Legend
Oct-1997	TRSI 02	Notes
Nov-1996	TRSI 02	Backplates Details & Lane-In-Use Control Signal Detail
Oct-1997	TRSI 03	Mast Arm Mounting
Nov-1996	TRSI 03	Signs
Nov-1996	TRSI 04	Pedestrian Signal Faces
Apr-1997	TRSI 05	Precast Slab Loop Detector
Oct-1997	TRSI 06	Post mounted signal with foundation and others details
Apr-1997	TRSI 06	Precast Slab Loop Detector Installation Details for Existing and New Bituminous and Composite Pavement
Apr-1997	TRSI 07	Loop Slab Configuration in Bituminous and Composite Pavements
Oct-1997	TRSI 08	Traffic Control Cabinet
Apr-1997	TRSI 08	Trench Details I
Oct-1997	TRSI 09	Foundation Details
Apr-1997	TRSI 09	Point Detector Saw-cut in Place for P.C.C. Pavement and Bridge Decks
Oct-1997	TRSI 10	Controller Foundation, Service Installation and Trench Repair
Apr-1997	TRSI 10	Directional Detector Saw-cut in Place for P.C.C. Pavement and Bridge Decks
Oct-1997	TRSI 11	Handhole and Pull Box
Apr-1997	TRSI 11	Presence Detector Saw-Cut in Place for P.C.C. Pavement and Bridge Desks
Oct-1997	TRSI 12	Terminal Handhole for Master Control
Apr-1997	TRSI 12	Installation Details for Loop Detectors in New or Existing P.C.C. Pavements
Oct-1997	TRSI 13	Summary of Quantities
Apr-1997	TRSI 13	Connection Detail for Precast Slab Loop Detector
Oct-1997	TRSI 14	Summary of Quantities
Apr-1997	TRSI 14	Connection Detail for Saw-Cut in Place Loop Detector
Apr-1997	TRSI 15	Loop Conductor Splice Details

**PUERTO RICO HIGHWAY AND TRANSPORTATION AUTHORITY
STANDARD DRAWINGS
REVISED LIST OF MAY 6, 2010**

DATE	DRAWING NUMBER	TITLE
May-1997	TRSI 21	Foundation Details for Aluminum and Galvanized Steel Poles
May-1997	TRSI 22	Mast Arm Foundation Typical Locations
May-1997	TRSI 23	Mono Tube and Post Top Foundation Typical Locations
Dec-2000	TRSI 24	Span Wire Specifications and notes
Dec-2000	TRSI 24A	Span Wire Approved manufacturers for span wire traffic signal supports
Dec-2000	TRSI 24B	Span Wire Configurations
Dec-2000	TRSI 24C	Span Wire
Dec-2000	TRSI 24D	Span Wire Wiring details
Dec-2000	TRSI 24E	Span Wire Prestressed concrete pole Manufactured by Ornamental Poles, S.E.
Dec-2000	TRSI 24F	Span Wire Foundations Manufactured by Ornamental Poles, S.E.
Oct-1997	TRSI 25	Traffic Signals Truss & tubular type mast arm mounting
Oct-1997	TRSI 26	Traffic Signals Bridge Type Mounting
Oct-1997	TRSI 27	Traffic Signals Mast arm & bridge mounting Assembly details
Oct-1997	TRSI 28	Traffic Signals Post top & side mounting
Oct-1997	TRSI 29	Traffic Signals Pedestrian faces mounting
Oct-1997	TRSI 30	Traffic Signals Post top, side mounting & pedestrian Assembly details
Oct-1997	TRSI 31	Traffic Signals Span-wire mounting
Oct-1997	TRSI 32	Traffic Signals Span wire mounting Assembly details