

**Barriers**

NO.	DATE	TITLE
<b>Concrete Barriers</b>		
BA-100	04-20-10	44" Concrete Median Barrier (Full Section)
BA-101	04-20-10	44" Concrete Median Barrier Width Transition
BA-102	04-19-11	44" Concrete Barrier (Half Section)
BA-103	04-20-10	34" Concrete Barrier (Half Section)
BA-104	04-20-10	34" Concrete Barrier for use with Reinforced Paved Shoulder
BA-105	04-20-10	34" to 44" Concrete Barrier Transition Section
BA-106	04-17-12	Reinforced Paved Shoulder for Concrete Barrier
BA-107	10-18-11	Concrete Barrier End Section
BA-108	04-19-11	Concrete Barrier Tapered End Section
BA-150	04-19-11	Side Obstacle Protection with Concrete Barrier and Guardrail
<b>Steel Beam Guardrail</b>		
BA-200	10-18-11	Steel Beam Guardrail Components
BA-201	10-19-10	Steel Beam Guardrail Barrier Transition Section
BA-202	10-18-11	Steel Beam Guardrail Bolted End Anchor
BA-203	10-18-11	Steel Beam Guardrail W-Beam End Anchor
BA-204	10-18-11	Steel Beam Guardrail Thrie-Beam End Anchor
BA-205	10-18-11	Steel Beam Guardrail End Terminal
BA-206	10-18-11	Steel Beam Guardrail Flared End Terminal For Cable Connection
BA-210	04-20-10	Guardrail Post Adaptor Unit
BA-250	10-18-11	Steel Beam Guardrail Installation at Concrete Barrier or Bridge End Post
BA-251	10-18-11	Steel Beam Guardrail Installation at Side Obstacle (Two-Way Protection)
BA-252	10-18-11	Steel Beam Guardrail Installation at Side Obstacle (One-Way Protection)
BA-253	10-18-11	Steel Beam Guardrail Installation at Railroad Signal
<b>Cable Guardrail</b>		
BA-351	04-20-10	High Tension Cable Guardrail

# Barriers

SECTION

# BA

NO.	DATE	TITLE
BA-400	04-20-10	Temporary Barrier Rail (Steel)
BA-401	04-20-10	Temporary Barrier Rail (Precast Concrete)
BA-500	04-20-10	Temporary Crash Cushions Sand Barrel

**Temporary Barrier Rails**

**Crash Cushions**

# Barriers

SECTION

# BA

NO.	DATE	TITLE

# Erosion Control

NO.	DATE	TITLE
EC-101	04-20-10	Wood Excelsior Mat for Ditch Protection
EC-102	04-20-10	Sod for Ditch Protection
EC-103	04-20-10	Wood Excelsior Mat for Slope Protection
EC-201	04-20-10	Silt Fence
EC-202	04-17-12	Floating Silt Curtain
EC-501	04-20-10	Trees and Shrubs

# Erosion Control

SECTION

**EC**

NO.	DATE	TITLE

# Earthwork

SECTION  
**EW**

NO.	DATE	TITLE
EW-101	04-19-11	Embankment and Rebuilding Embankments
EW-201	04-17-12	Bridge Berm Grading without Recoverable Slope (Barnroof Section)
EW-202	04-17-12	Bridge Berm Grading without Recoverable Slope (Non-Barnroof Section)
EW-203	04-17-12	Bridge Berm Grading with Recoverable Slope (Non-Barnroof Section)
EW-204	04-17-12	Bridge Berm Grading with Recoverable Slope (Barnroof Section)
EW-301	04-19-11	Guardrail Grading

# Earthwork

SECTION

# EW

NO.	DATE	TITLE

**Miscellaneous**

NO.	DATE	TITLE
<b>Fencing</b>		
MI-101	04-20-10	Fencing Layout
MI-102	10-18-11	Chain Link Fence Construction
MI-103	04-20-10	Field Fence Construction
MI-104	10-18-11	Deer Fence Construction
<b>Sidewalks and Driveways</b>		
MI-210	04-17-12	PCC Driveways and Alleys
MI-220	04-17-12	Detectable Warnings and Pedestrian Ramp
MI-221	04-17-12	Combined Retaining Wall - Sidewalk



SECTION

**MI**

# Miscellaneous

NO.	DATE	TITLE

# Pavement Markings

NO.	DATE	TITLE
PM-110	04-19-11	Line Types
PM-111	10-18-11	Symbols and Legends
PM-120	04-19-11	Stop Lines and Islands
PM-210	10-18-11	Separation in Two-Lane Roadway
PM-211	10-18-11	Separation in Four-Lane Roadway
PM-220	04-17-12	Passing Lane
PM-221	04-17-12	Climbing Lane
PM-230	04-17-12	Transition at Abrupt Changes in Pavement Width
PM-240	04-19-11	Railroad Crossing on Two-Lane Roadway
PM-242	04-19-11	Railroad Crossing on Four-Lane Roadway
PM-310	04-19-11	Entrance and Exit Ramps
PM-420	04-19-11	Two-Lane Roadway with no Turn Lanes (One-Way Stop Condition)
PM-520	04-19-11	Two-Lane Roadway with no Turn Lanes (Two-Way Stop Condition)
PM-521	04-19-11	Two-Lane Roadway with Right Turn Lanes
PM-522	04-19-11	Two-Lane Roadway with Left Turn Lanes
PM-550	04-19-11	Two-Lane Roadway with Two-Way Left Turn Lane
PM-560	04-19-11	Divided Multi-Lane Roadway with no Turn Lanes
PM-561	04-19-11	Divided Multi-Lane Roadway with Right Turn Lanes
PM-562	04-19-11	Divided Multi-Lane Roadway with Left Turn Lanes
PM-620	04-19-11	Two-Lane Roadway with no Turn Lanes (Four-Way Stop Condition)
PM-650	04-19-11	Multi-Lane Roadway with Two-Way Left Turn Lane
PM-760	04-19-11	Divided Multi-Lane Roadway Median

# Pavement Markings

SECTION

# PM

NO.	DATE	TITLE

**Pavement**

NO.	DATE	TITLE
		<b>General</b>
PV-1	Void	Replaced by PV-101
PV-2	Void	Replaced by PV-102 and PV-104
PV-3	10-18-11	Safety Edge
PV-10	04-19-11	Rumble Strip Panel for Intersection Approach
PV-11	04-20-10	Structural Rumble Strips
PV-12	04-17-12	Milled Shoulder Rumble Strips
PV-13	04-19-11	Milled Centerline Rumble Strips
		<b>PCC</b>
PV-101	04-17-12	Joints
PV-102	04-19-11	PCC Curb Details
PV-103	04-19-11	Manhole Boxouts in PCC Pavement
PV-104	04-19-11	Ramped Median Nose
		<b>HMA</b>
PV-201	04-19-11	Manhole Boxouts in HMA Pavement and HMA Overlays
		<b>Superelevation</b>
PV-301	04-19-11	Superelevation Details Two Lane Roadway
PV-302	04-17-12	Superelevation Details Four Lane Roadway Depressed Median
PV-303	04-19-11	Superelevation Details Ramps
PV-304	04-17-12	Superelevation Details Six Lane Roadway Depressed Median
PV-305	04-17-12	Superelevation Details Six Lane Roadway Closed Median
PV-306	04-19-11	Superelevation Details Eight Lane Roadway Closed Median
		<b>Ramp Tapers</b>

# Pavement

NO.	DATE	TITLE
PV-410	10-18-11	Deceleration Taper for 16' Exit Ramp
PV-411	10-18-11	Acceleration Taper for 16' Entrance Ramp
PV-412	10-18-11	Deceleration Taper for 18' Exit Loop
PV-414	10-18-11	Acceleration Taper for 18' Entrance Loop
<b>Median Crossovers</b>		
PV-500	04-19-11	Median Crossover (50' Median)
PV-501	04-19-11	Median Crossover (50' Median) 16' Wide 1 Lane
PV-502	04-19-11	Median Crossover (50' Median) 28' Wide 2 Lane
PV-503	04-19-11	Median Crossover (64' Median)
PV-504	04-19-11	Median Crossover (64' Median) 16' Wide 1 Lane
PV-505	04-19-11	Median Crossover (64' Median) 28' Wide 2 Lane
PV-506	04-19-11	Median Crossover (68.24' Median)
PV-507	04-19-11	Median Crossover (68.24' Median) 16' Wide 1 Lane
PV-508	04-19-11	Median Crossover (68.24' Median) 28' Wide 2 Lane

# Pavement

SECTION

# PV

NO.	DATE	TITLE

# Signs

SECTION

# RD

NO.	DATE	TITLE
RD-5	---	Void
RD-6	---	Void
RD-7	---	Void

# Signs

SECTION

**RD**

NO.	DATE	TITLE



# Signs

SECTION  
**RD**

NO.	DATE	TITLE

**Drainage**

NO.	DATE	TITLE
RF-2	10-18-11	Construction of Type "C" Concrete Adaptors for Pipe Culvert Connections
RF-3	10-18-11	Concrete Aprons
RF-5	10-03-00	Metal Pipe Aprons and Beveled Ends
RF-7	10-16-07	Corrugated Metal Type "A" Diaphragm
RF-8	10-28-97	Precast Stock Pass
RF-13	10-18-11	Pipe Bends and Half Pipe
RF-14	10-18-11	Connected Pipe Joints
RF-19A	07-15-97	Subdrains for Fill or Foundation Drainage (Standard)
RF-19B	04-17-12	Subdrains Standard (Farm Tile Replacement)
RF-19C	10-19-10	Subdrains (Longitudinal)
RF-19E	10-20-09	Outlets for Longitudinal, Transverse and Backslope Subdrains
RF-19F	04-25-00	Subdrain Outlets (Standard Subdrain, Pressure Release and Special)
RF-21	10-18-11	Culvert Pipe Tee Sections
RF-26	10-18-11	Pipe Apron Guard
RF-27	10-19-10	Beveled Pipe and Guard
RF-29	04-20-10	Safety Grates for Box Culverts
RF-30A	10-19-10	Culvert (Bedding and Backfill)
RF-30B	10-19-10	Pipe Culvert (Cover and Camber)
RF-30C	04-30-02	Pipe Culvert (Installation Details)
RF-31	03-28-95	Depth of Cover Tables for Concrete Pipe
RF-32	10-19-10	Depth of Cover Tables for Corrugated Pipe
RF-38	04-20-10	Intake for Bridge End Drain
RF-39	04-19-11	Scour Protection for Bridge End Drain
RF-40	10-19-10	Rock Flume for Bridge End Drain
RF-42	04-17-12	Low Clearance Concrete Pipe Aprons
RF-43	10-03-00	Metal Arch Aprons (for Corrugated Metal Pipe)
RF-44	10-03-00	Metal Safety Slope Apron 6:1 Slope

# Drainage

SECTION

# RF

NO.	DATE	TITLE
RF-45	10-19-10	Slotted Drain for Median Crossovers

# Drainage

SECTION

# RF

NO.	DATE	TITLE

# Rigid Pavement

SECTION

# RH

NO.	DATE	TITLE
RH-6	04-19-11	PCC Railroad Approach Section

# Rigid Pavement

SECTION

# RH

NO.	DATE	TITLE