

Group 1: Earthwork

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1000-3-E-00	Superelevation Diagrammatic Profile		
1010-0-E-07	Superelevation Plan for Dual Highways (Crowned Surface)		
1020-0-E-02	Superelevation Plan for Dual Highways (Raised Median)		
1040-0-E-06	Superelevation Plan for Dual Highways (Tangent Surface)		
1080-0-E-05	Superelevation Plan for Concrete and Bituminous Surfacing		
1090-0-E-04	Superelevation Plan for Gravel Surfacing		
1100-2-E-04	Rural Intersections and Driveways		
1110-2-E-00	Typical Cross Sections of Old Road Obliteration		
1111-5-E-00	Obliteration of Existing Maintenance Turnaround		
1380-5-E-01	Curb Removal Detail		
1400-5-E-01	Grading for Box Culvert Extensions		
1401-5-E-01	Grading for Culvert Extensions		
1700-2-E-00	Roadway Grading for End Treatments		
1700-6-E-03	Earthwork and Surfacing around Guardrail for 3R Projects		
1702-2-E-00	Grading for Terminal Anchorage Section		
1710-6-E-03	Earthwork and Surfacing around Guardrail for New and Reconstruction Projects		
1711-6-E-01	Earthwork for Guardrail on New and Reconstructed Projects, Parallel Installation		
1712-6-E-00	Earthwork Around Bullnose Guardrail		
1731-5-E-02	Surfacing Around Guardrail - 31"		
1910-5-E-03	Details of Maintenance Turnaround with 40' Median		
1911-5-E-03	Details of Maintenance Turnaround with 64' Median		
1920-5-E-00	Design of Intercepting Dikes		

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3010-0-E-12	Pavement Details		
3010-3-E-00	Phasing for Concrete Island		
3030-0-E-03	Curb Ramps		
3070-0-E-03	Mailbox Turnout		
3080-0-E-03	Local Road Mailbox Turnout	Jan-18	OBSOLETE Plan
3090-0-E-02	Mailbox Support Post	Jan-18	OBSOLETE Plan
3200-1-E-01	Milled Rumble Strips		
3290-0-E-10	8 to 16 inch Concrete Pavement		
3290-5-E-05	Concrete Pavement Repair		
3290-6-E-00	Median Break		
3300-1-E-00	6 to 8 Inch Concrete Pavement		
3810-5-E-01	Detail of Precast Concrete Curb Stop		
3850-2-E-23	Joint/Pavement Repair	Oct-18	Revision
3851-2-E-17	Joint/Pavement Repair (Overlay)	Oct-18	Revision

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4000-3-E-00	Minimum Backfill For Traffic		
4030-0-E-03	Bends and Breaks for Concrete Box Culverts		
4040-0-E-04	Control Joints for Concrete Box Culverts		
4100-0-E-04	Flared End Sections for Culvert Pipes		
4110-0-E-02	Bedding and Backfill Requirements for Concrete Pipe		
4120-1-E-01	Safety Sloped End Sections		
4130-0-E-03	Bar Grate for Flared End Sections		
4140-0-E-03	Pipe Siphon		
4180-5-E-03	Slotted Pipe Detail		
4220-5-E-00	Precast Concrete Box Culvert End Section		
4230-5-E-01	Preparation of Existing Box Culvert for Extension		
4250-0-E-05	Collars and Elbows for Concrete Pipes		
4280-0-E-04	Concrete Plugs and Field Tap Details		
4300-3-E-00	4" Pipe Underdrain		
4310-3-E-00	Granular Sub-Drain Details		
4330-1-E-01	Area Inlet With Bar		
4333-1-E-00	Area Inlet With Grate		
4334-3-E-02	Approach Slab Drainage Inlets - 27"		
4335-3-E-02	Approach Slab Drainage Inlets - 31"		
4340-5-E-01	Details for Drop Curb for Drainage		
4341-1-E-03	Concrete Flume, Type I		
4342-1-E-03	Concrete Flume, Type II		
4344-1-E-04	Concrete Flume, Type IV		
4345-1-E-04	Concrete Flume, Type V		
4346-1-E-02	Concrete Flume, Type VI		
4350-0-E-02	Manhole		
4430-0-E-11	Curb Inlets and Junction Box		
4430-5-E-00	Curb Inlet Depression		
4440-1-E-00	Reconstruct Gutter Depression For 2" Grade Raise		
4440-5-E-00	MSE Wall V-Ditch Drain		
4500-5-E-01	Details of Rock Riprap		
4505-5-E-00	Roadside Sediment Trap and Outlet		
4510-5-E-02	Details of Rock Riprap Scour Hole		
4520-5-E-01	Bridge Drainage Basin		
4550-0-E-02	Concrete Ditch Lining		
4810-5-E-00	Pipe Bedding Detail		
4880-5-E-01	Plan for Sandfilling Culverts		
4900-0-E-01	Bird Exclusion Netting		

Group 5: Erosion
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Plan No.	Title	Effective Letting Date	Comments
5000-3-E-00	Contour Cultivation		
5010-0-E-07	Erosion Control		
5020-0-E-02	Silt Fence Details		
5101-1-E-00	Concrete Washout & Construction Exit		
5102-1-E-00	Inlet Protection		
5103-1-E-00	Temporary Pipe Slope Drain		
5104-1-E-00	Silt Checks All Types		
5400-5-E-00	Metal Diaphragm Detail		
5470-0-E-03	Concrete Flume, Type VII		
5480-0-E-03	Concrete Flume, Type VIII		
5480-5-E-01	Inlet Liner Details		

Group 6: Bridge
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Plan No.	Title	Effective Letting Date	Comments
6200-5-E-01	Mechanically Stabilized Earth (MSE) Wall		

Group 7: Guardrail and Fence

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Plan No.	Title	Effective Letting Date	Comments
7020-0-E-00	Cable Guardrail		
7030-1-E-00	Cable Guardrail to W-Beam Guardrail Transition - 31"		
7038-5-E-00	31" Transition to 27 5/8" Guardrail - 31"		
7039-1-E-02	Bridge Approach Section 31" to Existing 27 5/8"		
7049-5-E-00	MGS For Long Span - 31"		
7100-0-E-05	Fence Details		
7120-0-E-01	Bullnose (12.5') (Tapered)		
7130-0-E-01	Bullnose (12.5') (Parallel)		
7140-0-E-01	4-Strand Wire Fence		
7150-0-E-01	5-Strand Wire Fence		
7400-0-E-01	Midwest Guardrail System Bridge Approach Section		
7410-0-E-01	Thrie-Beam Bridge Approach Section		
7420-1-E-00	Bridge Approach Section W/ Midspan Rail Support - 31"	Jan-19	Obsolete
7430-0-E-02	Guardrail Details		
7440-0-E-00	Midwest Guardrail System Without Blockouts		
7450-0-E-01	End Anchorage Assembly 31"		
7460-0-E-00	Midwest Guardrail System Bridge Approach Section TL-2 - 31"		
7470-0-E-01	Parapet Guardrail Attachments		
7480-0-E-01	Culvert Mounted Guardrail Post		
7490-1-E-00	Weak Post Guardrail - 31"		
Plan No.	Title		Comments
Impact Attenuators (For Information Only)			
7750-6-E-00	TRACC Group		
Sheet 1 of 3	TRACC - TL-2		
Sheet 2 of 3	SHORTRACC		
Sheet 3 of 3	58" WIDETRACC		
7754-6-E-00	Quadguard System Group		
Sheet 1 of 4	M10 System Narrow w/Tension Strut Backup		
Sheet 2 of 4	Elite System w/Tension Strut Backup		
Sheet 3 of 4	LMC System w/69" or 90" Tension Strut Backup		
Sheet 4 of 4	M10 System Wide System w/Tension Strut Backup		

Plan No.	Title	Comments
	TL-2 Low Speed (For Information Only)	
7771-6-E-01	ET Plus - TL2	
7772-6-E-00	SRT 75 Post Layout and Erection Details - TL2	
7773-6-E-01	Sequential Kinking Terminal, SKT Test Level-2 Midwest Guardrail System Steel Post System	
Plan No.	Title	Comments
	High Tension Cable Guardrail (For Information Only)	
7780-6-E-00	Cass 3-Cable Guardrail Safety System	
7783-6-E-01	Cable Barrier System Group - Gibraltar	
Sheet 1 of 4	TL-3 3 Cable System Layout	
Sheet 2 of 4	TL-3 3 Cable Guardrail Transition	
Sheet 3 of 4	TL-4 4 Cable System Layout	
Sheet 4 of 4	TL-3 4 Cable Guardrail Transition	
7787-6-E-00	TL-3 (3-Rope) & TL-4 (4-Rope) WRSF Group Brifen	
Sheets 1 - 3 of 9	TL-3 (3-Rope) WRSF - Brifen	
Sheets 4 - 6 of 9	TL-3 (4-Rope) WRSF - Brifen	
Sheets 7 - 9 of 9	TL-4 (4-Rope) WRSF - Brifen	
Plan No.	Title	Comments
	Guardrail End Treatment, Type I (For Information Only)	
7801-6-E-00	ET-31	
7803-6-E-00	SKT-SP-MGS 31" Top of Rail	
7804-6-E-00	MSKT-SP-MGS Terminal Test Level 3	
7805-6-E-00	SoftStop System	
7806-6-E-00	X-Tension System	
Plan No.	Title	Comments
	Guardrail End Treatment, Type II (For Information Only)	
7901-6-E-01	FLEAT-SP-MGS 31" Top of Rail	
7902-6-E-01	SRT 31 (31" Height, 40'-7 1/2" Length)	
7903-6-E-00	SRT-M10 Guardrail End Terminal	
7903-6-E-00	SRT-M10 Guardrail End Terminal	
7904-6-E-00	XLITE System	

Group 8: Miscellaneous
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Plan No.	Title	Effective Letting Date	Comments
8040-0-E-01	Precast Concrete R.O.W. Marker		
8050-0-E-01	R.O.W. Post		
8350-5-E-01	Sections of Timber Plank and Rubberized Crossings		
8700-1-E-06	Concrete Protection Barrier		

Group 9: Traffic and Lighting

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Plan No.	Title	Effective Letting Date	Comments
9010-0-E-11	Highway Delineators and Chevrons	Jan-19	Revision
9020-0-E-02	Highway Delineators for Ramp & Gore Locations	Jan-19	Obsolete
9100-0-E-04	Signal Face Configuration	Jan-19	Revision
9110-0-E-02	Signal Mounting		
9120-0-E-07	Traffic Signal Pole Detail	Jan-19	Revision
9130-0-E-03	Span Wire Signal Pole Detail		
9140-0-E-08	Pull Box Detail		
9200-0-E-07	Traffic Control Construction and Maintenance		
9210-0-E-08	Traffic Control, Construction and Maintenance		
9220-0-E-11	Traffic Control for Asphalt Surfacing		
9230-0-E-02	Traffic Control Road Closure		
9240-0-E-03	Urban Traffic Control Plan	Jan-19	Revision
9260-0-E-00	Typical Lane Closue Plan for Multilane Roadways	Jan-19	New Plan
9410-0E-00	Pavement Marking		
9420-0E-00	Pavement Marking for Freeway Ramps		
9430-0E-00	Temporary Pavement Marking		

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1010-0-E-07	101-R7	Superelevation Plan for Dual Highways (Crowned Surface)	
1020-0-E-02	102-R2	Superelevation Plan for Dual Highways (Raised Median)	
1040-0-E-06	104-R6	Superelevation Plan for Dual Highways (Tangent Surface)	
1080-0-E-05	108-R5	Superelevation Plan for Concrete and Bituminous Surfacing	
1090-0-E-04	109-R4	Superelevation Plan for Gravel Surfacing	
3010-0-E-12	301-R12	Pavement Details	
3030-0-E-03	303-R3	Curb Ramps	
3070-0-E-03	307-R3	Mailbox Turnout	
3290-0-E-10	329-R10	8 to 16 Inch Concrete Pavement	
4030-0-E-03	403-R3	Bends and Breaks for Concrete Box Culverts	
4040-0-E-04	404-R4	Control Joints for Concrete Box Culverts	
4100-0-E-04	410-R4	Flared End Sections for Culvert Pipes	
4110-0-E-02	411-R2	Bedding and Backfill Requirements for Concrete Pipe	
4130-0-E-03	413-R3	Bar Grate for Flared End Sections	
4140-0-E-03	414-R3	Pipe Siphon	
4250-0-E-05	425-R5	Collars and Elbows for Concrete Pipes	
4280-0-E-04	428-R4	Concrete Plugs and Field Tap Details	
4350-0-E-02	435-R2	Manhole	
4430-0-E-11	443-R11	Curb Inlets and Junction Box	
4550-0-E-02	455-R2	Concrete Ditch Lining	
4900-0-E-01	490-R1	Bird Exclusion Netting	
5010-0-E-07	501-R7	Erosion Control	
5020-0-E-02	502- R2	Silt Fence Details	
5470-0-E-03	547-R3	Concrete Flume, Type VII	
5480-0-E-03	548-R3	Concrete Flume, Type VIII	
7020-0-E-00	702	Cable Guardrail	
7100-0-E-05	710-R5	Fence Details	
7120-0-E-01	712-R1	Bullnose (12.5') (Tapered)	
7130-0-E-01	713-R1	Bullnose (12.5') (Parallel)	
7140-0-E-01	714-R1	4-Strand Wire Fence	
7150-0-E-01	715-R1	5-Strand Wire Fence	
7400-0-E-01	740-R1	Midwest Guardrail System Bridge Approach Section	
7410-0-E-01	741-R1	Thrie-Beam Bridge Approach Section	
7430-0-E-02	743-R2	Guardrail Details	
7440-0-E-00	744	Midwest Guardrail System Without Blockouts	
7450-0-E-01	745-R1	End Anchorage Assembly	

Plan No.	Std. Plan No.	Title	Comments
7460-0-E-00	746	Midwest Guardrail System Bridge Approach Section TL-2	
7470-0-E-01	747-R1	Parapet Guardrail Attachment	
7480-0-E-01	748-R1	Culvert Mounted Guardrail Post	
8040-0-E-01	804-R1	Precast Concrete R.O.W. Marker	
8050-0-E-01	805-R1	R.O.W. Sign	
9010-0-E-11	901-R11	Highway Delineators and Chevrons	Jan 2019 - Revision
9020-0-E-02	902-R2	Highway Delineators for Ramp & Gore Locations	Jan 2019 - Obsolete became 2nd sheet to Plan 901
9100-0-E-04	910-R4	Signal Face Configuration	Jan 2019 - Revision
9110-0-E-02	911-R2	Signal Mounting	
9120-0-E-07	912-R7	Traffic Signal Pole Detail	Jan 2019 - Revision
9130-0-E-03	913-R3	Span Wire Signal Pole Detail	
9140-0-E-08	914-R8	Pull Box Detail	
9200-0-E-07	920-R7	Traffic Control, Construction and Maintenance	
9210-0-E-08	921-R8	Traffic Control, Construction and Maintenance	
9220-0-E-11	922-R11	Traffic Control for Asphalt Surfacing	
9230-0-E-02	923-R2	Traffic Control Road Closure	
9240-0-E-03	924-R3	Urban Traffic Control Plan	Jan 2019 - Revision
9260-0-E-00	926	Typical Lane Closure Plan For Multilane Roadways	Jan 2019 - New
9410-0E-00	941	Pavement Marking	
9420-0E-00	942	Pavement Marking for Freeway Ramps	
9430-0E-00	943	Temporary Pavement Marking	

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3200-1-E-01	Milled Rumble Strips	
3300-1-E-00	6 to 8 Inch Concrete Pavement	
4120-1-E-02	Safety Sloped End Sections	
4330-1-E-01	Area Inlet with Bar	
4333-1-E-00	Area Inlet with Grate	
4341-1-E-03	Concrete Flume, Type I	
4342-1-E-03	Concrete Flume, Type II	
4344-1-E-04	Concrete Flume, Type IV	
4345-1-E-04	Concrete Flume, Type V	
4346-1-E-02	Concrete Flume, Type VI	
4440-1-E-00	Reconstruct Gutter Depression For 2" Grade Raise	
5101-1-E-00	Concrete Washout & Construction Exit	
5102-1-E-00	Inlet Protection	
5103-1-E-00	Temporary Pipe Slope Drain	
5104-1-E-00	Silt Checks All Types	
7030-1-E-00	Cable Guardrail to W-Beam Guardrail Transition - 31"	
7039-1-E-02	Bridge Approach Section 31" to Existing 27 5/8"	
7420-1-E-00	Bridge Approach Section W/Midspan Rail Support - 31"	Obsolete - Jan 2019 became 2nd page of Plans 740 & 741
7490-1-E-00	Weak Post Guardrail - 31"	
8700-1-E-06	Concrete Protection Barrier	Dec 2017 - Revision

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1110-2-E-00	Typical Cross Sections of Old Road Obliteration	
1700-2-E-00	Grading for Guardrail End Treatments	
1702-2-E-00	Grading for Terminal Anchorage Section	
3850-2-E-23	Joint/Pavement Repair	Oct 2018 - Revision
3851-2-E-17	Joint/Pavement Repair (Overlay)	Oct 2018 - Revision

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3010-3-E-00	Phasing for Concrete Island	
4000-3-E-00	Minimum Backfill For Traffic	
4300-3-E-00	4" Pipe Underdrain	
4310-3-E-00	Granular Sub-Drain Details	
4335-3-E-02	Approach Slab Drainage Inlet	
5000-3-E-00	Contour Cultivation	

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1380-5-E-01	Curb Removal Detail	
1400-5-E-01	Grading for Box Culvert Extensions	
1401-5-E-01	Grading for Culvert Extensions	
1731-5-E-02	Surfacing Around Guardrail - 31"	
1910-5-E-03	Details of Maintenance Turnaround with 40' Median	
1911-5-E-03	Details of Maintenance Turnaround with 64' Median	
1920-5-E-00	Design of Intercepting Dikes	
3290-5-E-05	Concrete Pavement Repair	
3810-5-E-01	Detail of Precast Concrete Curb Stop	
4180-5-E-03	Slotted Pipe Detail	
4220-5-E-00	Precast Concrete Box Culvert End Section	
4230-5-E-01	Preparation of Existing Box Culvert for Extension	
4340-5-E-01	Details for Drop Curb for Drainage	
4430-5-E-00	Curb Inlet Depression	
4440-5-E-00	MSE Wall V-Ditch Drain	
4500-5-E-01	Details of Rock Riprap	
4505-5-E-00	Roadside Sediment Trap and Outlet	
4510-5-E-02	Details of Rock Riprap Scour Hole	
4520-5-E-01	Bridge Drainage Basin	
4810-5-E-00	Pipe Bedding Detail	
4880-5-E-01	Plan for Sandfilling Culverts	
5400-5-E-00	Metal Diaphragm Detail	
5480-5-E-01	Inlet Liner Details	
6200-5-E-01	Mechanically Stabilized Earth (MSE) Wall	
7038-5-E-00	31" Transition to 27 5/8" Guardrail - 31"	
7046-5-E-02	Curved Beam Design Guide - 31"	
7049-5-E-00	MGS For Long Span - 31"	
8350-5-E-01	Sections of Timber Plank and Rubberized Crossing	

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Plan No.	Title	Comments
1700-6-E-03	Earthwork and Surfacing around Guardrail for 3R Projects	
1710-6-E-03	Earthwork for Guardrail New and Reconstruction Projects	
1711-6-E-01	Earthwork for Guardrail on New and Reconstructed Projects, Parallel Installation	
1712-6-E-00	Earthwork for Bullnose on New and Reconstructed Projects	
3290-6-E-00	Median Break	

Plan No.	Title	Comments
	Impact Attenuators (For Information Only)	
7750-6-E-00	TRACC Group	
Sheet 1 of 3	TRACC - TL-2	
Sheet 2 of 3	SHORTRACC	
Sheet 3 of 3	58" WIDETRACC	
7754-6-E-00	Quadguard System Group	
Sheet 1 of 4	M10 System Narrow w/Tension Strut Backup	
Sheet 2 of 4	Elite System w/Tension Strut Backup	
Sheet 3 of 4	LMC System w/69" or 90" Tension Strut Backup	
Sheet 4 of 4	M10 System Wide System w/Tension Strut Backup	

Plan No.	Title	Comments
	TL-2 Low Speed (For Information Only)	
7771-6-E-01	ET Plus - TL2	
7772-6-E-00	SRT 75 Post Layout and Erection Details - TL2	March 17 - OBSOLETE
7773-6-E-00	Sequential Kinking Terminal, SKT Test Level-2 Midwest Guardrail System Steel Post System	March 17 - New Plan

Plan No.	Title	Comments
	High Tension Cable Guardrail (For Information Only)	
7780-6-E-00	Cass 3-Cable Guardrail Safety System	
7783-6-E-01	Cable Barrier System Group - Gibraltar	
Sheet 1 of 4	TL-3 3 Cable System Layout	
Sheet 2 of 4	TL-3 3 Cable Guardrail Transition	
Sheet 3 of 4	TL-4 4 Cable System Layout	
Sheet 4 of 4	TL-3 4 Cable Guardrail Transition	
7787-6-E-00	TL-3 (3-Rope) & TL-4 (4-Rope) WRSF Group - Brifen	
Sheets 1 - 3 of 9	TL-3 (3-Rope) WRSF - Brifen	
Sheets 4 - 6 of 9	TL-3 (4-Rope) WRSF - Brifen	
Sheets 7 - 9 of 9	TL-4 (4-Rope) WRSF - Brifen	

Plan No.	Title	Comments
	Guardrail End Treatment, Type I (For Information Only)	
7801-6-E-00	ET-31	
7803-6-E-00	SKT-SP-MGS 31" Top of Rail	
7804-6-E-00	MSKT-SP-MGS Terminal Test Level 3	March 17 - New Plan
7805-6-E-00	SoftStop System	March 17 - New Plan
7806-6-E-00	X-Tension System	March 17 - New Plan

Plan No.	Title	Comments
	Guardrail End Treatment, Type II (For Information Only)	
7901-6-E-01	FLEAT-SP-MGS 31" Top of Rail	
7902-6-E-01	SRT 31 (31" Height, 40'-7 1/2" Length)	
7903-6-E-00	SRT-M10 Guardrail End Terminal	March 17 - New Plan
7904-6-E-00	XLITE System	March 17 - New Plan