

Sellwood Bridge

90% Main and East Approach / 60% Interchange Specifications

For January 6th, 2012 Submittal

Base Specifications used: Oregon Standard Specifications For Construction (2008)

Yellow Highlight – Specification Section applies to both Main Bridge and Interchange

No Highlight – Specification Section applies to Interchange only

Specification Number	Developed SP or SP List	Specification Description	Originator	Comments
SP COV	Developed SP	Cover Page (Special Provisions)	SJ	
SP001	Developed SP	Description of Work Page (Special Provisions)	SJ	
TOC FED	Developed SP	Table of Contents	SJ	(Federal funded projects)
RR		Railroad Specs	Scott Nettleton	For East side RR
SIG	Developed SP	Signature Page	SJ	For Professional Engineer of Record stamp
SP002	Developed SP	Special Provisions Page 1	SJ	Describes work to be done
SP110-SP199	Developed SP	Special Provisions, as needed to support the CM/GC General Provisions	As Needed	Note: 100s series Special Provisions to be written, as needed, for CM/CG process
SP210	SP List	Mobilization	Steve Katko (S)	
SP220	SP List	Accommodations For Public Traffic	Steve Katko (S)	
SP225	River traffic – Developed SP. Roadway traffic - SP List.	Work Zone Traffic Control	Eric Destival for River Steve Katko for Roadway (S)	Work Zone Traffic Control (Requires 02110 and 02910. Requires 00440 for temporary traffic signal)
SP240	SP List	Temporary Drainage Facilities	Rick Attanasio (S)	If needed
SP245	Developed SP	Temporary Water Management	Rick Attanasio (S)	Requires 00290
SP256	SP List	Temporary Retaining Walls	Steve Katko (S)	
SP270	SP List	Temporary Fences	Steve Katko (S)	
SP280	SP List	Erosion and Sediment Control	Rick Attanasio (S)	Erosion and Sediment Control (Requires 00440, 02510, and 02630 for tire wash facility. Requires 01030 for temporary seeding. Requires 02320 for subgrade, sediment

				fence and drainage geogextile. Requires 02630 for sediment trap. Requires 03020 for commercial compost.)
SP290	Developed SP	Environmental Protection	Steve Mader	Will include language for CMGC to provide dewatering plan compliant with environmental permits obtained by the project
SP305	Developed SP	Construction Survey Work	Tony Brooks (S)	(Requires 00150 to establish survey responsibilities)
SP310	SP List	Removal of Structures and Obstructions	Steve Katko (S)	
SP320	SP List	Clearing and Grubbing	Steve Katko (S)	
SP330	SP List	Earthwork	Steve Katko (S)	(May require 00235)
SP331	SP List	Subgrade Stabilization	Steve Katko (S)	If needed (Requires 02320 and 02630)
SP335	SP List	Blasting Methods and Protection of Excavation Backslopes	Dave Dailer (S)	
SP340	SP List	Watering	Steve Katko (S)	If needed
SP350	SP List	Geosynthetic Installation	Steve Katko (S)	(Requires 02320)
SP390	SP List	Riprap Protection	Rick Attanasio (S)	(Requires 00350 when riprap geotextile is paid separately. Requires 02320 for riprap geogextile)
SP396	SP List	Shotcrete Slope Stabilization	Dave Dailer (S)	(Requires 02050 and 02510)
SP398	SP List	Rock Slope Stabilization and Reinforcement	Dave Dailer (S)	(Requires 00440)
SP405	SP List	Trench Excavation, Bedding, and Backfill	Rick Attanasio (S)	(Requires 00440, 00442, and 02630)
SP430	SP List	Subsurface Drains	Rick Attanasio (S)	(Requires 00350, 00440, and 02320)
SP440	SP List	Commercial Grade Concrete	Steve Katko (S)	(Requires 02030 and 02050)
SP442	SP List	Controlled Low Strength Materials	Dave Dailer (S)	(Requires 02030)
SP445	SP List	Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe	Rick Attanasio (S)	(Requires 00405. Requires 00440 for conc. pipe. Requires 00495 for trench resurfacing. Requires 02410 for steel reinf. polyethylene or polypropylene pipe.

				Requires 02510 for reinf. in blocks)
SP460	SP List	Paved Culvert End Slopes	Rick Attanasio (S)	(Requires 00440)
SP470	SP List	Manholes, Catch Basins, Inlets	Rick Attanasio (S)	(Requires 00440 and 02510. Requires 02450 for inlets)
SP480	SP List	Drainage Curbs	Rick Attanasio (S)	(Requires 00440 and 02440)
SP490	SP List	Work on Existing Sewers and Structures	Rick Attanasio (S)	(Requires 00440, 00442, & 02510)
SP501 (Main & East)	Developed SP	Bridge Removal	Eric Rau (S)	
SP501 (Interchange)	SP List	Bridge Removal	Don Wagner (S)	
SP510 (Main & East)	Developed SP	Structure Excavation & Backfill	Mike Lopez(S)	Requires 02630
SP510 (Interchange)	SP List	Structure Excavation & Backfill	Don Wagner (S)	Requires 02630
SP512 (Main & East)	Developed SP	Drilled Shafts	Mike Lopez/Dave Dailer (S)	Requires 02030 and 02510
SP512 (Interchange)	SP List	Drilled Shafts	Dave Dailer (S)	Requires 02030 and 02510
SP520	SP List	Driven Piles	Dave Dailer (S)	
SP530 (Main & East)	Developed SP	Steel Reinforcement For Concrete	Mike Lopez (S)	Requires 02510
SP530 (Interchange)	SP List	Steel Reinforcement For Concrete	Don Wagner (S)	Requires 02510
SP540 (Main & East)	Developed SP	Structural Concrete	Mike Lopez (S)	(Requires 02030, 02440, and 02690)
SP540 (Interchange)	SP List	Structural Concrete	Don Wagner (S)	(Requires 02030, 02440, and 02690)
SP543	SP List	Shotcrete And Drainage For Soil Nail Walls	Dave Dailer (S)	Required by OE596
SP545 (Main & East)	Developed SP	Reinforced Concrete Bridge End Panels	Mike Lopez(S)	(Requires 02030, 02630, and 02690)
SP545 (Interchange)	SP List	Reinforced Concrete Bridge End Panels	Don Wagner (S)	(Requires 02030, 02630, and 02690)
SP550 (Main & East)	Developed SP	Precast Prestressed Concrete Members	Mike Lopez (S)	Requires 02030, 02510, 02560, and 02690
SP550 (Interchange)	SP List	Precast Prestressed Concrete Members	Don Wagner (S)	Requires 02030, 02510, 02560, and 02690
SP581 (Main & East)	Developed SP	Bridge Drainage System	Eric Rau (S)	Requires 02560
SP581 (Interchange)	SP List	Bridge Drainage System	Don Wagner (S)	Requires 02560
SP582 (Main & East)	Developed SP	Bridge Bearings	Eric Rau (S)	(Requires 02570 for composite bearings)
SP582	SP List	Bridge Bearings	Don Wagner (S)	(Requires 02570 for

(Interchange)				composite bearings)
SP583 (Main & East)	Developed SP	Electrical Conduit in Structures	Eric Rau (S)	
SP583 (Interchange)	SP List	Electrical Conduit in Structures	Don Wagner (S)	
SP585 (Main & East)	Developed SP	Expansion Joints	Eric Rau (S)	Requires 02570 for composite bearings
SP585 (Interchange)	SP List	Expansion Joints	Don Wagner (S)	Requires 02570 for composite bearings
SP587 (Main & East)	Developed SP	Bridge Rails	Eric Rau (S)	(Requires 02030 and 02690)
SP587 (Interchange)	SP List	Bridge Rails	Don Wagner (S)	(Requires 02030 and 02690)
SP591	SP List	Waterproofing Membrane	Don Wagner (S)	
SP595	SP List	Reinforced Concrete Box Culverts	Rick Attanasio (s)	
SP OA596	SP List	Mechanically Stabilized Retaining Walls	Dave Dailer (S)	Requires 00440, 02030, 02630, and 02690. Requires 02320 for drainage and riprap geotextile and for geogrids)
SP OB596	SP List	Prefabricated Modular Retaining Walls	Don Wagner (S)	(Requires 00440, 02030, 02630, and 02690. Requires 02320 for drainage and riprap geotextile)
SP OC596	SP List	Cast-In-Place Retaining Walls	Don Wagner (S)	(Requires 00440, 02030, and 02630. Requires 02320 for drainage geotextile)
SP OD596	SP List	Soldier Pile Retaining Walls	Dave Dailer (S)	
SP OE596	SP List	Soil Nail Retaining Walls	Dave Dailer (S)	
SP620	SP List	Cold Plane Pavement Removal	Kevin Cooley (s)	
SP640	SP List	Aggregate Base and Shoulders	Kevin Cooley (S)	
SP730	SP List	Emulsified Asphalt Tack Coat	Kevin Cooley (S)	
SP745	SP List	Hot Mixed Asphalt Concrete	Kevin Cooley (S)	(HMAC) (Requires 00730)
SP749	SP List	Miscellaneous Asphalt Concrete Structures	Steve Katko (S)	(Requires 02630)
SP759	SP List	Miscellaneous Portland Cement Concrete Structures	Steve Katko (S)	(Requires 00440, 02440, and 02630. Requires 02510 for reinforcement. Requires 02830 for

				handrail)
SP810	SP List	Metal Guardrail	Steve Katko (S)	
SP811	SP List	Cable Barrier	Steve Katko (s)	
SP815	SP List	Bollards	Steve Katko (s)	
SP820	SP List	Concrete Barrier	Steve Katko (S)	(Requires 00440, 02440, & 02510)
SP830	SP List	Impact Attenuators	Steve Katko (S)	(Requires 00440)
SP840	SP List	Delineators and Milepost Marker Posts	Steve Katko (S)	
SP850	SP List	Common Provisions for Permanent Pavement Markings	Celena Stone (s)	
SP851	SP List	Pavement Marking Removal	Celena Stone (s)	
SP855	SP List	Pavement Markers	Celena Stone (s)	(Requires 00850)
SP860, SP865, or SP866	SP List	Longitudinal Pavement Markings - Paint	Celena Stone (s)	(Requires 00850)
SP867	SP List	Transverse Pavement Markings - Legends and Bars	Celena Stone (s)	(Requires 00850)
SP905	SP List	Removal and Reinstallation of Existing Signs	Celena Stone (s)	
SP910	SP List	Wood Sign Posts	Celena Stone (s)	(Requires 02110)
SP920	SP List	Sign Support Footings	Don Wagner (S)	(Requires 00440)
SP930	SP List	Metal Sign Supports	Don Wagner (S)	(Requires 02560)
SP940	SP List	Signs	Celena Stone (s)	(Requires 02910)
SP950	SP List	Removal of Electrical Systems	Flaviano Reyes (s)	
SP960	SP List	Common Provisions for Electrical Systems	Flaviano Reyes (s)	Requires 00440 and 00442
SP962	SP List	Metal Illumination and Traffic Signal Supports	Flaviano Reyes (s) Celena Stone (s)	(Requires 00440 and 02560)
SP963	I don't think this spec is needed.	Signal Support Drilled Shafts	Dave Dailer (s)	(Requires 00440 and 02510)
SP970	SP List	Highway Illumination	Flaviano Reyes (s)	(Requires 00960 and 00962)
SP990	SP List	Traffic Signals	Celena Stone (s)	(Requires 00960, 00962 and 02920. May require 00963 and 02925)
SP1030	SP List	Seeding	Jarvis Payne/Glendon Smith	(Requires 03020 for commercial compost.)
SP1040	SP List	Planting	Jarvis Payne/Glendon Smith	(Requires 03020 for commercial compost.)
SP1050	SP List	Fences	Steve Katko (s)	(Requires 00440)

SP1092	SP List	Stormwater Control	Rick Attanasio (S)	(Facilities Requires 02320 for drainage and riprap geotextile)
SP1095	SP List	Site Furnishings	Steve Katko (s) ??	
SP1120	SP List	Irrigation Systems	Jarvis Payne/Glendon Smith	
SP1140	SP List	Potable Water Pipe and Fittings	Rick Attanasio (s)	(Requires 02630. Requires 00440 for thrust blocks)
SP1150	SP List	Potable Water Valves	Rick Attanasio (s)	(Requires 00440 for thrust blocks)
SP1160	SP List	Hydrants and Appurtenances	Rick Attanasio (s)	(Requires 00440 for thrust blocks)
SP1170	SP List	Potable Water Service Connections, 2 Inch and Smaller	Rick Attanasio (s)	
SP2030		Modifiers		
SP2050		Curing Materials		
SP2110	SP List	Posts, Blocks and Braces		
SP2320	SP List	Geosynthetics		
SP2440	Two separate specs (Main and Interchange)?	Joint Materials		
SP2510	Two separate specs (Main and Interchange)?	Reinforcement		
SP2560	Two separate specs (Main and Interchange)?	Fasteners		
SP2570	Two separate specs (Main and Interchange)?	Composite Bearings		
SP2630	SP List	Base Aggregate		
SP2690	SP List	PCC Aggregate		
SP2830	SP List	Handrail		
SP2910	SP List	Sign Materials		
SP2920	SP List	Common Electrical Materials		
SP2925	SP List	Traffic Signal Materials		
SP2926	SP List	Highway Illumination Materials		Not standard boilerplate spec. Will be added for LED lighting.
SP3020	SP List	Erosion Materials		

(S) = Person stamping spec sections

Note: Main Bridge only specs are:

- **SECTION 00252 - TEMPORARY WORK BRIDGES – Mike Lopez**
- **SECTION 00541 - MASS CONCRETE – Mike Lopez**
- **SECTION 00555 - POST-TENSIONING – Eric Rau**
- **SECTION 00560 - STRUCTURAL STEEL BRIDGES - Eric Rau**
- **SECTION 00570 - TIMBER STRUCTURES – Don Wagner**
- **SECTION 00589 - UTILITY ATTACHMENTS ON STRUCTURES – Eric Rau**
- **SECTION 00594 - PREPARING AND COATING METAL STRUCTURES – Eric Rau**
- **SECTION 00598 - 3 SIDED PRECAST ARCH CULVERT – Don Wagner**