

TECHNICAL RESOURCE LIST											Review of Industry Concerns		
UPDATED 05-26-17		TECHNICAL RESOURCES					STAKEHOLDER (Include in correspondence with Technical Resource)		Questions? E-mail: ODOT SPECIFICATIONS	Concern Resolution if both agree		Concern Resolution	
Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer	
00110	Organization, Conventions, Abbreviations, and Definitions	Project Letting	Specifications Engineer	Dan Anderson	(503) 986-3777	N/A				Joe Squire	Bob Pappé	Bob Pappé	
00120	Bidding Requirements and Procedures	Project Letting	Specifications Engineer	Dan Anderson	(503) 986-3777	N/A				Joe Squire	Bob Pappé	Bob Pappé	
00130	Award and Execution of Contract	Project Letting	Specifications Engineer	Dan Anderson	(503) 986-3777	N/A				Joe Squire	Bob Pappé	Bob Pappé	
00140	Scope of Work	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00150	Control of Work	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00150.50	Cooperation with Utilities	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
		Right of Way - Program Management	State Utility and Railroad Liaison	Heather Howe	(503) 986-3658		Joe Squire	Bob Pappé		Bob Pappé			
00160	Source of Materials	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00165	Quality of Materials	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A	Construction QA Engineer	Greg Stellmach	* Specifications Engineer before Award. Construction QA Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00170	Legal Relations and Responsibilities	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00180	Prosecution and Progress	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00190	Measurement of Pay Quantities	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A	Contract Administration Engineer	Measurement Payment	* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00195	Payment	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A	Contract Administration Engineer	Measurement Payment	* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00196	Payment for Extra Work	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00197	Payment for Force Account Work	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00199	Disagreements, Protests and Claims	Project Letting	Specifications Engineer *	Dan Anderson	(503) 986-3777	N/A			* Specifications Engineer before Award. Contract Administration Engineer after Award.	Joe Squire	Bob Pappé	Bob Pappé	
00205	Field Laboratory, Weighhouse, Etc.	Quality Assurance	Construction QA Engineer	Greg Stellmach	(503) 986-3061	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00210	Mobilization	Contract Administration	Contract Administration Engineer	Measurement Payment	(503) 986-3012	N/A				Joe Squire	Mike Kimlinger	Bob Pappé	
00220	Accommodations for Public Traffic	Traffic Standards	Traffic Control Plans Engineer	Scott McCanna	(503) 986-3788	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00225	Work Zone Traffic Control	Traffic Standards	Traffic Control Plans Engineer	Scott McCanna	(503) 986-3788	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00230	Temporary Detours	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment	Traffic Control Plans Engineer	Scott McCanna	Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé	
							Pavement Design Engineer	Karen Strauss		Joe Squire	Susan Haupt	Bob Pappé	
							Geotechnical Engineer	Jon Guido		Joe Squire	Susan Haupt	Bob Pappé	
00235	Agency Provided Material Sources & Disposal Sites	Geo-Environmental	Asst. Statewide Aggregate Resource Coordinator	Scott Billings	(541) 388-6097	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé	
00240	Temporary Drainage Facilities	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé	
00245	Temporary Water Management	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment	Aquatics Biology Program Leader	Bill Warncke		Joe Squire	Susan Haupt	Bob Pappé	
00250	Temporary Detour Bridges (Contractor Provided)	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé	
00251	Agency Provided Temporary Bridges	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé	
00252	Temporary Work Bridges	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé	
00253	Temporary Work Platforms	Bridge Engineering	Corrosion Protection Technician	David Dobson	(503) 986-4029	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé	
00254	Temporary Work Access	Bridge Engineering	Corrosion Protection Technician	David Dobson	(503) 986-4029	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé	
00256	Temporary Retaining Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé	
00270	Temporary Fences	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé	
00280	Erosion and Sediment Control	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé	
00290.00	Scope	Geo-Environmental	Natural Resources Unit Manager	John Raasch	(503) 986-3370	Measurement & Payment	Environmental Planning Unit Manager	James Norman	For Areas Not Listed	Joe Squire	Susan Haupt	Bob Pappé	
00290.10	Staging and Disposal Sites	Geo-Environmental	Asst. Statewide Aggregate Resource Coordinator	Scott Billings	(541) 388-6097	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé	
00290.11	Water Conservation	Geo-Environmental	Aquatic Biology Program Lead	Bill Warncke	(503) 986-3459	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé	

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
00290.20	Waste, Hazardous Waste, & Hazardous Substances	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.29	Health and Safety	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.30	Pollution Control	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.32	Noise Control	Geo-Environmental	Acoustical Specialist	Carole Newvine	(503) 986-3447	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.34	Protection of Fish and Fish Habitat	Geo-Environmental	Aquatic Biology Program Lead	Bill Warncke	(503) 986-3459	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.34(c-2)	Work Area Isolation	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00290.36	Protection of Wildlife and Wildlife Habitat	Geo-Environmental	Terrestrial Biology Program Leader	Christine Maguire	(503) 986-3385	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.38	Protection of Plants	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.40	Protection of Forests	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.41	Protection of Wetlands	Geo-Environmental	Wetland Program Coordinator	Brad Livingston	(503) 986-3062	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.42	Work Containment Plan and System	Geo-Environmental	Aquatic Biology Program Lead	Bill Warncke	(503) 986-3459	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00290.42(a)	Work Containment Plan	Geo-Environmental	Aquatic Biology Program Lead	Bill Warncke	(503) 986-3459	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00290.42(b)	Work Containment System	Bridge Engineering	Corrosion Engineer	Ray Bottenberg	(503) 986-3318	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé
00290.50	Protection of Cultural Resources	Geo-Environmental	Cultural Resources Program Manager	Carolyn Holthoff	(503) 986-3309	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00290.51	Protection of Sensitive Cultural Sites	Geo-Environmental	Cultural Resources Program Manager	Carolyn Holthoff	(503) 986-3309	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00293	Decommission Underground Storage Tanks	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00294	Contaminated Media	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00295	Asbestos Materials	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00296	Paint and Painted Materials	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00297	PCB and Mercury Containing Equipment	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00298	Well Preservation and Abandonment	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00299	Decommission Underground Injection Control Systems	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
0A299	Decommission Septic Tanks	Geo-Environmental	Hazardous Material Program Lead	Shawn Rapp	(503) 986-3478	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00305	Construction Survey Work	Geometric	Geometric Manager	Joseph Thomas	(503) 986-3316	Measurement & Payment				Joe Squire	Dick Upton	Bob Pappé
00310	Removal of Structures and Obstructions	Roadway Engineering	Specifications Engineer	Dan Anderson	(503) 986-3777	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé
00320	Clearing and Grubbing	Roadway Engineering	Specifications Engineer	Dan Anderson	(503) 986-3777	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé
00330	Earthwork	Geo-Environmental	Geotechnical Engineer	Pete Castro	(541) 957-3603	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappé
							Pavement Design Engineer	Karen Strauss		Joe Squire	Susan Haupt	Bob Pappé
00331	Subgrade Stabilization	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
00333	Aggregate Ditch Lining	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00334	Preparation of Shoulders	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé
00335	Blasting Methods & Protection of Excavation Backslopes	Geo-Environmental	Asst. Statewide Aggregate Resource Coordinator	Scott Billings	(541) 388-6097	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00340	Watering	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00344	Treated Subgrade	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Pavement Design Engineer	Karen Strauss		Joe Squire	Mike Kimlinger	Bob Pappé
00350	Geosynthetic Installation	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment	Pavement Design Engineer	Karen Strauss		Joe Squire	Susan Haupt	Bob Pappé
00360	Drainage Blankets	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappé
00370	Finishing Roadbeds	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
00380	Roadwork, Hourly Rate Basis	Geo-Environmental	Geology	Fred Gullixson	(503) 731-4890	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe
00390	Riprap Protection	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappe
00396	Shotcrete Slope Stabilization	Geo-Environmental	Rock Slope Geologist	James Schick	(541) 388-6994	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappe
00398	Rock Slope Stabilization and Reinforcement	Geo-Environmental	Rock Slope Geologist	James Schick	(541) 388-6994	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00405	Trench Excavation, Bedding, and Backfill	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00406	Tunneling, Boring, and Jacking	Geo-Environmental	Geology	Jamie Schick	(541) 388-6334	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00410	Common Provisions for Pipe Lining	Geo-Environmental	Culvert Design Engineer	Rob Trevis	(503) 986-3860	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00411	Pipe Bursting and Slip Lining	Geo-Environmental	Culvert Design Engineer	Rob Trevis	(503) 986-3860	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00412	Cured-In-Place Pipe Lining	Geo-Environmental	Culvert Design Engineer	Rob Trevis	(503) 986-3860	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00415	Video Pipe Inspection	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00420	Salvaging Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00430	Subsurface Drains	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappe
00432	Wearing Surface Drains	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00435	Prefabricated Vertical Drains	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment	Standards Engineer	Dave Polly		Joe Squire	Susan Haupt	Bob Pappe
00440	Commercial Grade Concrete	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappe
00442	Controlled Low Strength Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappe
00443	Rapid Setting Controlled Low Strength Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Bruce Johnson	Bob Pappe
00445	Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00446	Trench Drains	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappe
00450	Structural Plate Shaped Structures	Geo-Environmental	Culvert Design Engineer	Rob Trevis	(503) 986-3860	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappe
00459	Cast-In-Place Concrete Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappe
00460	Paved Culvert End Slopes	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00470	Manholes, Catch Basins, and Inlets	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00475	Drain Wells	Geo-Environmental	Geology Program Leader	Curran Mohney	(503) 986-3490	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe
00480	Drainage Curbs	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00490	Work on Existing Sewers and Structures	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00495	Trench Resurfacing	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00501	Bridge Removal	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00503	Bridge Deck Cold Plane Pavement Removal	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment	Structure Services Engineer	Scott Nelson		Joe Squire	Bruce Johnson	Bob Pappe
00510	Structure Excavation and Backfill	Bridge Engineering	Senior Bridge Geotechnical Engineer	Susan Ortiz	(503) 986-3377	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappe
00512	Drilled Shafts	Bridge Engineering	Senior Bridge Geotechnical Engineer	Susan Ortiz	(503) 986-3377	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappe
00515	Micropiles	Bridge Engineering	Senior Bridge Geotechnical Engineer	Susan Ortiz	(503) 986-3377	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Unique Specification	Joe Squire	Bruce Johnson	Bob Pappe
00520	Driven Piles	Bridge Engineering	Senior Bridge Geotechnical Engineer	Susan Ortiz	(503) 986-3377	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00530	Steel Reinforcement for Concrete	Bridge Engineering	Bridge Operations and Standards Engineer	Tanarat Potisuk	(503) 986-3342	Measurement & Payment	Structure Services Engineer	Scott Nelson		Joe Squire	Bruce Johnson	Bob Pappe
00532	Rebar Continuity	Bridge Engineering	Corrosion Engineer	Ray Bottenberg	(503) 986-3318	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappe
00535	Resin Bonded Anchor Systems	Bridge Engineering	Bridge Operations and Standards Engineer	Tanarat Potisuk	(503) 986-3342	Measurement & Payment	Structure Services Engineer	Scott Nelson		Joe Squire	Bruce Johnson	Bob Pappe
00536	Internal Shear Anchors	Bridge Engineering	Prestressed Concrete Standards Engineer	Tanarat Potisuk	(503) 986-3342	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00538	Crack Injecting Existing Bridges	Bridge Engineering	Bridge Operations and Standards Engineer	Tanarat Potisuk	(503) 986-3342	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
00539	Concrete and Crack Sealing	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé
00540	Structural Concrete	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment	Structure Services Engineer	Scott Nelson		Joe Squire	Bruce Johnson	Bob Pappé
							Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappé
00545	Reinforced Concrete Bridge End Panels	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00550	Precast Prestressed Concrete Members	Bridge Engineering	Prestressed Concrete Standards Engineer	Tanarat Potisuk	(503) 986-3342	Measurement & Payment	Structure Services Engineer	Scott Nelson		Joe Squire	Bruce Johnson	Bob Pappé
00555	Post-Tensioning	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	Prestressed Concrete Standards Engineer	Tanarat Potisuk		Joe Squire	Bruce Johnson	Bob Pappé
00556	Multi-Layer Polymer Concrete Overlays	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé
00557	Pre Mixed Polymer Concrete Overlays	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	BDDM Standards Engineer	Alex Lim		Joe Squire	Bruce Johnson	Bob Pappé
00559	Silica Fume and Latex Modified Concrete Overlays	Structure Services	Structure Quality Engineer	Terry Thames	(503) 686-7598	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé
							BDDM Standards Engineer	Alex Lim		Joe Squire	Bruce Johnson	Bob Pappé
00560	Structural Steel Bridges	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00570	Timber Structures	Bridge Engineering	Structural Designer	Rebecca Burrow	(503) 986-4008	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00581	Bridge Drainage Systems	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00582	Bridge Bearings	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00583	Electrical Conduit in Structures	Bridge Engineering	Corrosion Engineer	Ray Bottenberg	(503) 986-3318	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00584	Elastomeric Concrete Nosing	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00585	Expansion Joints	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00586	Expansion Joints, Modular	Bridge Engineering	Steel Standards Engineer	Hormoz Seradj	(503) 986-3346	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00587	Bridge Rails	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00589	Utility Attachments on Structures	Bridge Engineering	Corrosion Engineer	Ray Bottenberg	(503) 986-3318	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappé
00590	Polymer Membranes	Structure Services	Assistant Structure Services Engineer	Jaimé Viramontes	(503) 986-5453	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00591	Spray Waterproofing Membrane	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	Measurement & Payment	Bridge Operations and Standards Engineer	Tanarat Potisuk		Joe Squire	Bruce Johnson	Bob Pappé
00593	Powder Coating Metal Structures	Structure Services	Structure Coatings Engineer	Joel Boothe	(971) 673-7003	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00594	Preparing and Coating Metal Structures	Structure Services	Structure Coatings Engineer	Joel Boothe	(971) 673-7003	Measurement & Payment	Corrosion Engineer	Ray Bottenberg		Joe Squire	Bruce Johnson	Bob Pappé
00595	Reinforced Concrete Box Culverts	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
0A596	Mechanically Stabilized Earth Retaining Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
0B596	Prefabricated Modular Retaining Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
0C596	Cast-in-Place Retaining Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappé
00597	Sound Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappé
00599	Concrete Slope Paving	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappé
00610	Reconditioning Existing Roadway	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé
00620	Cold Plane Pavement Removal	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé
00622	Grinding Concrete Pavement	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé
00635	Grid-Rolled Aggregate Subbase	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
00640	Aggregate Base and Shoulders	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
00641	Aggregate Subbase, Base and Shoulders	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
00645	Recycled Asphalt Products in Base	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé
00660	Lean Concrete Base	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer	
00670	Concrete Pavement Undersealing	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé	
00680	Stockpiled Aggregates	Geo-Environmental	Asst. Statewide Aggregate Resource Coordinator	Scott Billings	(541) 388-6097	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Susan Haupt	Bob Pappé	
00705	Emulsified Asphalt Prime Coat and Emulsified Asphalt Fog Coat	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00706	Emulsified Asphalt Slurry Seal Surfacing	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00710	Single Application Emulsified Asphalt Surface Treatment	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00711	Pre-Coated Aggregate Asphalt Surface Treatment	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00712	Dry Key Emulsified Asphalt Surface Treatment	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00715	Multiple Application Emulsified Asphalt Surface Treatment	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00718	Hydrated Lime Slurry in Cold In-Place Recycling	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00719	Pre-Recycle Lime Treatment	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00720	Cold In-Place Recycled Asphalt Concrete Pavement	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00721	Cold Recycled Emulsified Asphalt Concrete Pavement	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00725	Hot In-Place Recycled Asphalt Concrete Pavement	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach	Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappé	
00730	Emulsified Asphalt Tack Coat	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00735	Emulsified Asphalt Concrete Pavement	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00738	Safety Edge	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé	
00740	Commercial Asphalt Concrete Pavement (CACP)	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00743	Porous Asphalt Concrete (PAC)	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00744	Asphalt Concrete Pavement	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00745	Asphalt Concrete Pavement - Statistical Analysis	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00746	Crack Sealing Flexible Pavements	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00748	Asphalt Concrete Pavement Repair	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00749	Miscellaneous Asphalt Concrete Structures	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00754	Plain Concrete Pavement Repair	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00755	Continuously Reinforced Concrete Pavement	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00756	Plain Concrete Pavement	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00758	Reinforced Concrete Pavement Repair	Pavement Services	Pavement Design Engineer	Karen Strauss	(503) 986-3122	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé	
00759	Miscellaneous Portland Cement Concrete Structures	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00760	Unit Pavers	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé	
00810	Metal Guardrail	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00811	Cable Barrier	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00812	Adjusting and Repairing Guardrail	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00813	Steel Backed Timber Guardrail	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappé	
00815	Bollards	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00820	Concrete Barrier	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00822	Glare Shields	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	
00830	Impact Attenuators	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappé	

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
00840	Delineators and Milepost Marker Posts	Traffic Standards	Traffic Design Specialist	Marty Klug	(503) 986-3586	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00842	Facility Identification Markers	Geo-Environmental	Culvert Design Engineer	Robert Trevis	(503) 986-3860	Measurement & Payment			Culvert Drainage Markers	Joe Squire	Susan Haupt	Bob Pappe
		Bridge Engineering	Bridge Operations and Standards Engineer	Craig Shike	(503) 986-3323				Bridge Markers	Joe Squire	Bruce Johnson	Bob Pappe
		Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365				Stormwater Control Markers	Joe Squire	Susan Haupt	Bob Pappe
00850	Common Provisions for Pavement Markings	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	N/A	Field Operations Specialist	Joel Fry		Joe Squire	Mike Kimlinger	Bob Pappe
00851	Pavement Marking Removal	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00855	Pavement Markers	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment	Product Evaluation Coordinator	Dean Chess		Joe Squire	Mike Kimlinger	Bob Pappe
00856	Surface Mounted Tubular Markers	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00857	Rumble Strips	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00860	Longitudinal Pavement Markings - Paint	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00865	Longitudinal Pavement Markings - Durable	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00866	Longitudinal Pavement Markings - High Performance	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00867	Transverse Pavement Markings - Legends and Bars	Traffic Standards	Traffic Devices Engineer	Eric Leaming	(503) 986-3610	Measurement & Payment	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappe
00902	Crosswalk Closure Barricades	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappe
00905	Removal and Reinstallation of Existing Signs	Traffic Standards	Sign Engineer	Heidi Shoblom	(503) 986-3603	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00910	Wood Sign Posts	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00920	Sign Support Footings	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00921	Major Sign Support Drilled Shafts	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00930	Metal Sign Supports	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00940	Signs	Traffic Standards	Sign Engineer	Heidi Shoblom	(503) 986-3603	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00941	Sign Covers	Traffic Standards	Sign Engineer	Heidi Shoblom	(503) 986-3603	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00942	Permanent Barricades	Roadway Engineering	Sr. Roadway Engineer	Christopher Henson	(503) 986-3561	Measurement & Payment			Stand Alone Unique Specification	Joe Squire	Mike Kimlinger	Bob Pappe
00950	Removal of Electrical Systems	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00960	Common Provisions for Electrical Systems	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
00962	Metal Illumination and Traffic Signal Supports	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00963	Signal Support Drilled Shafts	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment				Joe Squire	Bruce Johnson	Bob Pappe
00965	Camera Poles and Foundations	Traffic Standards	Traffic Structures Engineer	Scott Jollo	(503) 986-3069	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappe
00970	Highway Illumination	Traffic Standards	Illumination Engineer	Ernest Kim	(503) 986-3587	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe
00980	ITS - Structural Supports and Foundations*	ITS	Sr. ITS Engineer	Ron Blacketer	(503) 986-3588	Measurement & Payment			* 00980 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Bruce Johnson	Bob Pappe
00981	ITS - Structural Supports and Foundations*	ITS	Sr. ITS Engineer	Ron Blacketer	(503) 986-3588	Measurement & Payment			* 00981 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Bruce Johnson	Bob Pappe
00982	ITS - Structural Supports and Foundations*	ITS	Sr. ITS Engineer	Ron Blacketer	(503) 986-3588	Measurement & Payment			* 00982 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Bruce Johnson	Bob Pappe
00983	ITS - Structural Supports and Foundations*	ITS	Sr. ITS Engineer	Ron Blacketer	(503) 986-3588	Measurement & Payment			* 00983 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Bruce Johnson	Bob Pappe
00984	ITS - Structural Supports and Foundations*	ITS	Sr. ITS Engineer	Ron Blacketer	(503) 986-3588	Measurement & Payment			* 00984 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Bruce Johnson	Bob Pappe
00985	ITS - Electrical Components and Systems*	ITS	ITS Standards Engineer	Doug Spencer	(541) 747-1276	Measurement & Payment			* 00985 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Galen McGill	Bob Pappe

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer	
00986	ITS - Electrical Components and Systems*	ITS	ITS Standards Engineer	Doug Spencer	(541) 747-1276	Measurement & Payment			* 00986 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Galen McGill	Bob Pappe	
00987	ITS - Electrical Components and Systems*	ITS	ITS Standards Engineer	Doug Spencer	(541) 747-1276	Measurement & Payment			* 00987 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Galen McGill	Bob Pappe	
00988	ITS - Electrical Components and Systems*	ITS	ITS Standards Engineer	Doug Spencer	(541) 747-1276	Measurement & Payment			* 00988 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Galen McGill	Bob Pappe	
00989	ITS - Electrical Components and Systems*	ITS	ITS Standards Engineer	Doug Spencer	(541) 747-1276	Measurement & Payment			* 00989 is not a Standard Specification or published Boilerplate and may vary on a project-by-project basis	Joe Squire	Galen McGill	Bob Pappe	
00990	Traffic Signals	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01010	Stormwater Control, Water Quality Structures	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01011	Stormwater Control, Ponds	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01012	Stormwater Control, Water Quality Biofiltration Swales	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01013	Stormwater Control, Water Quality Bioslope	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01014	Stormwater Control, Water Quality Filter Strip	Geo-Environmental	Sr. Hydraulic Engineer	Alvin Shoblom	(503) 986-3365	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01030	Seeding	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe	
01040	Planting	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe	
01050	Fences	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment	Bridge Operations and Standards Engineer	Craig Shike		Joe Squire	Mike Kimlinger	Bob Pappe	
01060	Metal Cattle Guards	Bridge Engineering	BDDM Standards Engineer	Alex Lim	(503) 983-3402	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Bruce Johnson	Bob Pappe	
01070	Mailbox Supports	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01090	Gravel Beds and Blankets	Geo-Environmental	Erosion Control	Raghu Namburi	(503) 986-3551	Measurement & Payment				Joe Squire	Susan Haupt	Bob Pappe	
01091	Waterway Enhancements	Geo-Environmental	Water Quality/Resources Program Coordinator	William Fletcher	(503) 986-3509	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Susan Haupt	Bob Pappe	
01095	Site Furnishings	Roadway Engineering	Specifications Engineer	Dan Anderson	(503) 986-3777	Measurement & Payment			Stand Alone Special Provision	Joe Squire	Mike Kimlinger	Bob Pappe	
01120	Irrigation Systems	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01140	Potable Water Pipe and Fittings	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01150	Potable Water Valves	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01160	Hydrants and Appurtenances	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
01170	Potable Water Service Connections, 2 Inch and Smaller	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	Measurement & Payment				Joe Squire	Mike Kimlinger	Bob Pappe	
02001	Concrete	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappe	
02010	Portland Cement	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02015	Portland Cement Concrete Repair Material	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02020	Water	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02030	Modifiers	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02040	Chemical Admixtures	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02045	Synthetic Fiber Reinforcing for Concrete	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02050	Curing Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02055	Concrete Surface Retarders	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02060	Concrete and Crack Sealers	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	
02070	Bonding Agents	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe	

TECHNICAL RESOURCE LIST										Review of Industry Concerns		
UPDATED 05-26-17		TECHNICAL RESOURCES					STAKEHOLDER (Include in correspondence with Technical Resource)		Questions? E-mail: ODOT SPECIFICATIONS	Concern Resolution if both agree		Concern Resolution
Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
02080	Grout	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02090	Lime	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02110	Posts, Blocks, and Braces	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02120	Poles and Piling	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Senior Bridge Geotechnical Engineer	Susan Ortiz		Joe Squire	Bruce Johnson	Bob Pappé
02130	Timber and Lumber	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Structural Design Engineer	Mats Halvardson		Joe Squire	Bruce Johnson	Bob Pappé
02140	Glued Laminated Timber Members	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Structural Design Engineer	Mats Halvardson		Joe Squire	Bruce Johnson	Bob Pappé
02150	Lumber and Timber Connectors	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Structural Design Engineer	Mats Halvardson		Joe Squire	Bruce Johnson	Bob Pappé
02190	Preservative Treatment of Timber	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02210	Coating Materials for Timber and Concrete	Structure Services	Structure Coatings Engineer	Joel Boothe	(971) 673-7003	N/A	Corrosion Engineer	Ray Bottenberg		Joe Squire	Bruce Johnson	Bob Pappé
02320	Geosynthetics	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	N/A	Pavement Design Engineer	Karen Strauss		Joe Squire	Susan Haupt	Bob Pappé
02340	Rock Gabion Baskets	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	N/A				Joe Squire	Susan Haupt	Bob Pappé
02350	Metal Bin Retaining Walls	Geo-Environmental	Retaining Wall Engineer	Sophie Brown	(503) 986-3778	N/A				Joe Squire	Susan Haupt	Bob Pappé
02410	Concrete Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02415	Plastic Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02420	Metal Pipe	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02430	Structural Plate Pipe	Geo-Environmental	Culvert Design Engineer	Rob Trevis	(503) 986-3860	N/A				Joe Squire	Susan Haupt	Bob Pappé
02440	Joint Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02450	Manhole and Inlet Materials	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02470	Potable Water Pipe Materials	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02475	Potable Water Fitting Materials	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02480	Potable Water Valve Materials	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02485	Hydrant and Appurtenance Materials	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02490	Potable Water Service Connection Materials, 2 Inch and Smaller	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02510	Reinforcement	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02515	Prestressing Reinforcement	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02520	Steel and Concrete Piles	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Senior Bridge Geotechnical Engineer	Susan Ortiz		Joe Squire	Bruce Johnson	Bob Pappé
02530	Structural Steel	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02540	Forgings, Shafting, Castings and Nonferrous Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02560	Fasteners	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02570	Composite Bearings	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Steel Standards Engineer	Hormoz Seradi		Joe Squire	Bruce Johnson	Bob Pappé
02571	Elastomeric Bearing Pads	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Steel Standards Engineer	Hormoz Seradi		Joe Squire	Bruce Johnson	Bob Pappé
02610	Special Filter Material	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappé
02630	Base Aggregate	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	N/A	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
02640	Shoulder Aggregate	Pavement Services	Pavement Quality and Materials Engineer	Larry Ilg	(503) 986-3072	N/A	Construction QA Engineer	Greg Stellmach		Joe Squire	Mike Kimlinger	Bob Pappé
02690	PCC Aggregates	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	Construction QA Engineer	Greg Stellmach		Joe Squire	Bruce Johnson	Bob Pappé
02695	Reclaimed Glass (Mixed Waste Cullet)	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappé
02810	Bridge Rail	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	BDDM Standards Engineer	Alex Lim		Joe Squire	Bruce Johnson	Bob Pappé

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Section	Section Title	Primary Responsible Unit	Resource Position	Resource Name	Phone Number	Measurement and Payment Resource	Stakeholder Position	Stakeholder Name	Remarks	Construction and Materials Engineer	Discipline Section Manager	Chief Engineer
02820	Metal Guardrail	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A				Joe Squire	Bruce Johnson	Bob Pappe
02830	Metal Handrail	Roadway Engineering	Standards Engineer	Dave Polly	(503) 986-3738	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
02910	Sign Materials	Traffic Standards	Sign Engineer	Heidi Shoblom	(503) 986-3603	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
02920	Common Electrical Materials	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
02925	Traffic Signal Materials	Traffic Standards	Traffic Signal Engineer	Scott Cramer	(503) 986-3596	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
02926	Highway Illumination Materials	Traffic Standards	Illumination Engineer	Ernest Kim	(503) 986-3587	N/A				Joe Squire	Mike Kimlinger	Bob Pappe
03010	Fencing Materials	Structure Services	Structural Materials Engineer	Bill Bennett	(503) 986-6628	N/A	BDDM Standards Engineer	Alex Lim		Joe Squire	Bruce Johnson	Bob Pappe
03020	Erosion Materials	Geo-Environmental	Statewide Program Coord. for Roadside Development and Erosion Control	Bob Marshall	(503) 986-3512	N/A				Joe Squire	Susan Haupt	Bob Pappe