

SUMMARY OF SPR PROJECT STATUS
October 1, 2016 through December 31, 2016

PROJECT NO.	RESEARCH CONTACT/PI	PROJECT TITLE	*REPORT DUE DATE	**DATE EXPECTED	STATUS	COMMENTS	
1.	SPR 719	Mabey	Climate Change Impact on Coastal River Estuaries in Oregon	9/30/2020	9/30/2020	On Schedule	Data Collection continues. 5-year report is being written.
2.	SPR 761	Lazarus/ Al-Kasiy & Bertini	Evaluation of Weather Based Variable Speed Limit Systems	8/31/15	6/30/17	Behind Schedule	This project has completed one site location. It is anticipated to wrap-up remaining tasks by June 2017.
3.	SPR 762	Mabey/Trejo	High Strength Steel Reinforcement for Bridges	3/30/2016	6/30/2016	Behind Schedule	Final Report is in final publication process.
4.	SPR 763	Shippen/ Timm	Mechanistic Design Data	7/1/2016	2/28/2017	Behind Schedule	Draft final report received.
5.	SPR 765	Glover-Cutter/ Stuedlein	Assessment of High Strength Steel Bars and Steel Casing on Response of Drilled Shafts	3/30/2017	6/30/2018	On Schedule (amendment)	An amendment to the end date has been executed. The current projected delivery date is early for December 2017. Additional funding from Bridge is in the process of being acquired for added scope work, by March 2017.
6.	SPR 770	Mabey/ Dusicka	Impact of Cascadia Earthquake on the Seismic evaluation Criteria of Bridges	3/31/2016	8/30/2016	Published	Published
7.	SPR 775	Mabey/ Higgins	Titanium for Strengthening Existing Reinforced Concrete Bridges	9/1/2016	9/1/2016	Behind Schedule	Final Report was received and is being reviewed by TAC.
8.	SPR 776	Glover-Cutter/ SLR	Quantifying Noise Impacts from ODOT Aggregate Source Operations	6/30/2016 (phase 1)	6/30/2016 (phase 1)	On Schedule	Being worked on in phases. The first phase final report has been received and will be revised by PM. The second phase is awaiting FHWA fund clearance.
9.	SPR 777	Lazarus/ Buss	Chip Seal Design and Specifications	7/1/2014	3/31/2017	Behind Schedule	Report completed. Internal editing underway with new implementation format.
10.	SPR 778	Roll/ Monsere	Safety Effectiveness of Pedestrian Crossing Enhancements	9/30/2016	9/30/2016	On Schedule	Final Report is ready for formatting.
11.	SPR 779	Joerger/ Monsere	Risk Factors for Pedestrian and Bicycle Crashes	6/10/2014	3/15/2017	Behind Schedule	The draft report submitted to the TAC in September was not well-received by either the TAC or the PI. The principal investigator is re-assessing the findings and anticipated a major re-write of the final report.
12.	SPR 780	Mabey/Isgor	Strategies to Increase the Service Life of Bridge Decks	9/30/2016	9/30/2016	On Schedule	Final Report is in final publication process.
13.	SPR 781	Lazarus/ Smaglik	Improving Adaptive/Responsive Signal Control Performance	9/10/2014	3/01/2017	On schedule	Final report being reviewed for publication.
14.	SPR 782	Shippen/ Coleri	HMAC Layer Adhesion Through TAC Coat	8/15/2016	9/30/2016	On schedule	Final Report complete.
15.	SPR 783	Roll/ Hernandez	Truck Parking: An emerging Safety Hazard to Highway Users	4/30/2017	4/30/2017	On Schedule	Some delays in data acquisition, but expected to deliver on schedule.
16.	SPR 784	Mabey/ Higgins	Development of Titanium Seismic Retrofits for Deficient Concrete Columns	8/31/2017	8/31/2017	On Schedule	Work is underway.
17.	SPR 785	Shippen/	Adjusting Asphalt Mixes for	6/1/2017	6/30/2017	On Schedule	Task 4 Data Collection is in

		Coleri	Increased Durability and Implementation of a Tester to Evaluate Fatigue Cracking of Asphalt Concrete...				progress.
18.	SPR 786	Glover-Cutter/ Leshchinsky/ Olsen/Burns	Enhancing Landslide Inventorying, LiDAR Hazard Assessment and Asset Management	12/30/2017	12/30/2017	On Schedule	Project is progressing as outlined in the work plan.
19.	SPR 787	Li/Gillins/ Parrish	Eyes in the Sky: Bridge Inspections with Unmanned Aerial Vehicles	12/31/2016		On Schedule	Amendment completed to change co-PI to PI as the previous PI left OSU. Data analysis is underway.
20.	SPR 788	Knudson/ Wang	Performance-Based Planning and Decision Making – Understanding Mode Choices	6/1/17	7/1/17	On Schedule	Task 1 & 2 complete and 3 and 4 underway. Data sources identified, modeling in progress.
21.	SPR 789	Joerger/ Hurwitz/ Monsere	Improved Safety and Efficiency of Protected/Permitted Right Turns in Oregon	5/31/2017	2/28/2018	Contract extension issued	Construction problem at OSU rendered the driving simulator inoperable for 6 months
22.	SPR 790	Lazarus/ Gambatese/ Lee	Work Zone Intrusion Alert Technologies: Assessment and Practical Guidance	12/31/2016	3/31/2017	On Schedule	Report completed. Final TAC meeting scheduled.
23.	SPR 791	Lazarus/ Gambatese	Use of Additional Lighting for Traffic Control and Speed Reduction in Work Zones	3/30/2017	6/30/2017	On Schedule	Draft report being completed.
24.	SPR 792	Roll/ Ideker	Construction of Efficient, Cost-Effective and Sustainable Maintenance Facilities	4/30/17	4/30/17	On schedule	Tasks 1 and 2 are complete Task 3 in progress.
25.	SPR 793	Knudson/Li	Safety Assessment Of Freeway Active Traffic Management By Exploring The Relationship Between Safety, Congestion And Weather	9/30/2017	9/30/2017	Behind Schedule	Had to rework the work plan due to feedback from the TAC. Work is starting again. Some data collected, analysis has started. Some issues with the data.
26.	SPR 794	Li/Goodchild	Multi-Modal Intersections: Resolving Conflicts between Trains, Motor Vehicles, Bicyclists and Pedestrians	6/30/2017	9/30/2017	On schedule	TAC meeting competed in Nov 2016 to review the methodology. The methodology needs significant change, and the revision will be delivered by the end of Jan.
27.	SPR 797	Shippen/ Coleri	Binder-Grade Bumping and High Binder Content to Improve Performance of RAP-RAS Mixtures	6/1/2017	6/30/2017	On schedule	Task 1-3 substantially complete.
28.	SPR 798	Glover-Cutter/ USGS	Assessing Highway System Impacts on TMDL Watersheds using SELDM	7/14/2016	7/31/2017	On schedule	Tasks 1-2 are complete, Tasks 3-6 are well underway.
29.	SPR 799	Lazarus/Olsen	Lidar for Maintenance of Pavement Reflective Markings and Retro-Reflective Signs	6/30/2017	11/30/2018	On schedule	Initial chapters completed. TAC to review.
30.	SPR 800	Joerger/ Hurwitz & Monsere	Quantifying the Performance of Low-Noise Rumble Strips				Work orders in process – February 2017 start date
31.	SPR 801	Shippen	Employing IRLPD Test Methods for Optimal Asphalt Mixture Performance				RFP in progress
32.	SPR 802	Mabey/ Dusicka & Schumacher	Seismic Performance Design Criteria for Bridge Bent Plastic Hinge Regions	2/28/18	2/28/18	Under Development	Work Order sent to PSU for signature
33.	SPR 803	Roll/Porter & Darleton	Statewide Data Standards to Support Current and Future Strategic Public Transit	12/31/17	12/31/17	On Schedule	On Schedule

			Investments				
34.	SPR 804	Knudson/ Unnikrishnan & Figliozi	Method to Estimate Average Annual Daily Traffic for Minor Facilities for MAP-21 Reporting and Statewide Safety Analysis	3/1/18	3/1/18	On Schedule	Conducted first TAC meeting in October, next one in February 2017. Good progress so far.
35.	SPR 805	Mabey & Potisuk (Bridge Section)/Barb osa & Trejo	Performance of High Strength Steel Reinforcement in Shear Friction Applications	5/31/19	5/31/19	Under Development	Work Order sent to OSU for signature
36.	SPR 806	Li/ Figliozi & Unnikrishnan	Compliance and Surrogate Safety Measures for Uncontrolled Crosswalks in Oregon	3/30/2018	6/30/2018	On schedule	Kick-off TAC meeting completed; TAC agreed in the project objectives and scope of work. Literature review underway.
37.	SPR 807	Glover- Cutter/Olsen/ Leschinsky	Coastal Landslide and Bluff Retreat Monitoring for Climate Change Adaptation and Targeted Risk Assessment	7/5/2016	7/31/2024	On schedule	Tasks 1-5 are currently underway, Lidar monitoring for year 1 Fall season is complete, and instrumentation is complete.

SPR PROJECT STATUS SUMMARY

	Jan 1 – Mar. 31, 2014	Apr 1 – Jun 30, 2014	Jul 1 – Sep 30 2014	Oct 1 – Dec 31, 2015	Jan 1 – Mar 31, 2015	Apr 1 – Jun 30, 2015	Jul 1 – Sep 30 2015	Oct 1 – Dec 31, 2015	Jan 1 – Mar 31, 2016	Apr 1 – Jun 30, 2016	Jul 1 – Sep 30, 2016	Oct 1 – Dec 31, 2016
Complete	6	11	4	4	7	10	4	7	9	13	0	0
On Schedule	23	21	21	20	20	19	25	28	25	20	22	27
Under Development	2	0	4	2	1	1	8	2	0	0	5	4
Behind Schedule	6	5	8	11	9	7	4	4	6	7	10	6
Cancelled	0	0	0	0	0	0	0	0	1	1	0	0
Total	37	37	37	37	37	37	41	41	41	41	37	37
On Time Percent*	83.8%	86.5%	78.4%	70.3%	75.7%	81.1%	90.2%	90.2%	82.9%	82.5%	72.9%	83.8%
Reports Completed Since Last Quarter	0	5	4	0	3	3	4	3	2	3	0	

*On time percent is sum of Complete, On schedule and Under Development, as a percentage of total.

SPR REPORTS FINALED (Published) SINCE LAST QUARTER:

PROJECT NO.	RESEARCH CONTACT	PROJECT TITLE
SPR 043	Tony Knudson	FY2017 Oregon Transportation Needs and Issues Survey

OTHER REPORTS FINALED SINCE LAST QUARTER

REPORT NO.	RESEARCH CONTACT	PROJECT TITLE
TPF-5(259)	Matthew Mabey	Image Processing, Analysis, and Management Tools for Gusset Plate Connections in Steel Truss Bridges
SPR 770 (Technical Report)	Matthew Mabey	Impact of Cascadia Subduction Zone Earthquake on the Evaluation Criteria of Bridges (Technical Report)

REPORTS WHICH MAY BE FINALED (Published) 4th QUARTER FY16:

PROJECT NO.	RESEARCH CONTACT	PROJECT TITLE
SPR 762	Matthew Mabey	High Strength Steel Reinforcement for Bridges
SPR 777	Jon Lazarus	Chip Seal Design and Specifications
SPR 778	Josh Roll	Safety Effectiveness of Pedestrian Crossing Enhancements
SPR 780	Matthew Mabey	Strategies to Increase the Service Life of Bridge Decks
SPR 781	Jon Lazarus	Improving Adaptive/Responsive Signal Control Performance
SPR 782	Norris Shippen	HMAC Layer Adhesion through TACK Coat

RESEARCH NOTES COMPLETED SINCE LAST QUARTER

PROJECT NO.	RESEARCH CONTACT	PROJECT TITLE

*Date Promised is initially when you think the project will be finished—usually 90 days after the end date on the contract. (This gives time for the final report to be written, edited, and published.)

**Date Expected is when you predict that the project will be completed.