

## WA-RD Reports by Number

This table lists Washington State Department of Transportation's WA-RD reports by number. Each row includes the report number, the report title linked to a full text PDF of the report, and year published. WA-RD reports are also available in the [Washington State Library catalog](#).

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Report #	Report Title	Year
903.1	<a href="#">Flume-Based Design Recommendations for Coarse Bands and Boulder Bars to Improve Retention of Channel Shape in Stream Simulation Culverts (PDF 7.88MB)</a>	2020
900.1	<a href="#">Advancing Multimodal Safety by Reducing Pedestrian Crash Potential (PDF 3.8MB)</a>	2020
899.1	<a href="#">Ferry Vessel Propeller Wash Effects on Scour at the Kingston Ferry Terminal (WA, USA) (PDF 4.79MB)</a>	2019
898.1	<a href="#">Linear Scheduling Evaluation and Best Practices Development: Phase I Report (PDF 4.58MB)</a>	2019
897.1	<a href="#">Creating a Knowledge Book for WSDOT: Lessons and Future Directions (PDF 2.03MB)</a>	2019
896.7	<a href="#">WSDOT Manual Modernization, Vol. 2: Pilot (PDF 3.05MB)</a>	2019
896.6	<a href="#">WSDOT Manual Modernization, Vol. 1: Scoping (PDF 3.4MB)</a>	2019
896.5	<a href="#">Words Matter: Managing Vocabulary Resources to Support Productivity (PDF 1.89MB)</a>	2018
896.4	<a href="#">Enterprise Information Architecture: An Overview (PDF 2.15MB)</a>	2017
896.3	<a href="#">Improving Information Management for Practical Solutions at WSDOT (WA, USA) (PDF 2.51MB)</a>	2018
896.2	<a href="#">Resource Models for Practical Solutions at WSDOT (PDF 2.66MB)</a>	2016
896.1	<a href="#">Improving Knowledge and Information Management for Practical Solutions at WSDOT: Executive Summary (PDF 1.67MB)</a>	2018
895.3	<a href="#">Strengthening a Learning Culture for Practical Solutions (PDF 1.64MB)</a>	2017
895.2	<a href="#">Institutionalizing New Practices Using Lean Methodologies (PDF 4.22MB)</a>	2019
895.1	<a href="#">Accelerated Innovation Deployment (AID) Demonstration Project: Deploying Practical Solutions Using Lean Techniques and Knowledge Management (PDF 1.82MB)</a>	2019
894.1	<a href="#">WSF Triangle Route: Analysis of Alternative Concepts of Operations (PDF 2.06MB)</a>	2019
893.1	<a href="#">Bridge Element Deterioration of Concrete Substructures (PDF 2.37MB)</a>	2018
892.1	<a href="#">Promises of Data from Emerging Technologies for Transportation Applications: Puget Sound Region Case Study (PDF 7.48MB)</a>	2018
891.1	<a href="#">Anthropogenic Sound and Fishes (PDF 3.47MB)</a>	2019
890.1R	<a href="#">Field Analysis of Wood Guardrail Post Decay (PDF 2.43MB)</a>	2019
888.1	<a href="#">QUEWZ Work Zone Software: Literature Search and Methodology Review (PDF 1.74MB)</a>	2019
887.1	<a href="#">Review of Hot Bituminous Surface Treatments in Washington State (PDF 25.4MB)</a>	2019
886.1	<a href="#">An Implementation Framework for Random Parameter Models for Crash Frequency Prediction and Safety Investment Prioritization on the Washington State DOT Highway Network (PDF 5.17MB)</a>	2018
885.1	<a href="#">Understanding Opportunities with Connected Vehicles in the Smart Cities Context (2.63MB)</a>	2019
884.1	<a href="#">WSDOT Foundation and Fill Settlement Case Histories (PDF 15.6MB)</a>	2018
883.1	<a href="#">Bio-Based Renewable Additives for Anti-Icing Applications (Phase II) (PDF 2.3MB)</a>	2018

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882.1	<a href="#">Safe from Crime at Location-Specific Transit Facilities: Final Project Report (PDF 1.52MB)</a>	2018
881.1	<a href="#">Evaluation of New Rumble Strip Designs to Reduce Roadside Noise and Promote Safety (PDF 3.94)</a>	2018
880.1	<a href="#">Evaluate Risk-Based Asset Management Systems (AMS): BrM Implementation Strategy (PDF 5.56KB)</a>	2018
879.1	<a href="#">Research Management Database Business Analysis, TPF-5(181) (PDF 1.52MB)</a>	2018
878.1	<a href="#">Coordinated Traffic Incident and Congestion Management (TIM-CM): Mitigating Regional Impacts of Major Traffic Incidents in the Seattle I-5 Corridor (PDF 840.7KB)</a>	2018
877.1	<a href="#">Improved Methodology for Benefit Estimation of Preservation Projects (PDF 4.11MB)</a>	2018
876.1	<a href="#">Low Vertical Clearance Truss Bridges: Risk Assessment and Retrofit Mitigation Study (PDF 78.6MB)</a>	2017
875.3	<a href="#">Spatial Analysis of Bicycle Count Data: Final Project Report (PDF 1.81MB)</a>	2017
875.2	<a href="#">Optimizing Short Duration Bicycle and Pedestrian Counting in Washington State (PDF 4.37MB)</a>	2017
875.1	<a href="#">Collecting Network-wide Bicycle and Pedestrian Data: A Guidebook for When and Where to Count (PDF 10.8MB)</a>	2017
874.2	<a href="#">Design Procedure for Bridge Foundations Subject to Liquefaction-Induced Lateral Spreading (PDF 1.66MB)</a>	2017
874.1	<a href="#">Numerical Evaluation of Forces on Piled Bridge Foundations in Laterally Spreading Soil (PDF 19.5MB)</a>	2017
873.2	<a href="#">Implementing the Routine Computation and Use of Roadway Performance Measures within WSDOT - Appendix A: TRACFLOW Migration: Architecture and Implementation (PDF 1.58MB)</a>	2017
873.1	<a href="#">Implementing the Routine Computation and Use of Roadway Performance Measures within WSDOT (PDF 1.12MB)</a>	2017
872.2	<a href="#">Stormwater Infiltration in Highway Embankments -- Saturated Hydraulic Conductivity Estimation for Natural Low Plasticity Silts (PDF 5.18MB)</a>	2018
872.1	<a href="#">Stormwater Infiltration in Highway Embankments -- Saturated Hydraulic Conductivity Estimation for Uncompacted and Compacted Soils (PDF 17.3MB)</a>	2017
871.2	<a href="#">Preventive Maintenance Study - Final Report (PDF 28.26MB)</a>	2018
871.1	<a href="#">Preventive Maintenance Study -- Interim Report (PDF 22.5MB)</a>	2017
870.1	<a href="#">Best Practices of Using Shotcrete for Wall Fascia and Slope Stabilization (Phase I Study) (PDF 5.58MB)</a>	2017
869.2	<a href="#">Investigation of Ultra-High Performance Concrete for Longitudinal Joints in Deck Bulb Tee Bridge Girders (PDF 22.8MB)</a>	2017
869.1	<a href="#">Developing Connections for Longitudinal Joints between Deck Bulb Tees -- Development of UHPC Mixes with Local Materials (PDF 4.82MB)</a>	2016
868.2	<a href="#">Preliminary Procedure for Structural Design of Pervious Concrete Pavements (PDF 2.8MB)</a>	2017
868.1	<a href="#">Preliminary Study to Develop Standard Acceptance Tests for Pervious Concrete (PDF 1.87MB)</a>	2017
867.1	<a href="#">Developing Extended Strands in Girder-Cap Beam Connections for Positive Moment Resistance (PDF 8.07MB)</a>	2017
866.1	<a href="#">Cationic Very Rapid Setting Polymer Modified Chip Seal Emulsion (PDF 9.0MB)</a>	2017
865.1	<a href="#">Liquefaction-Induced Downdrag on Drilled Shafts (PDF 6.11MB)</a>	2017

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863.1	<a href="#">Use of Electronic Fare Transaction Data for Corridor Planning (PDF 1.53MB)</a>	2017
862.2	<a href="#">Safe Main Street Highways Part II: Analyses of Collisions Involving Pedestrians and Bicyclists in Washington State (PDF 2.88MB)</a>	2017
862.1	<a href="#">Safe Main Street Highways Part I: Washington State Collision Data and Geocoding (PDF 2.43MB)</a>	2017
861.2	<a href="#">Measurements of Pile Driving Noise from Control Piles and Noise-Reduced Piles at the Vashon Island Ferry Dock (PDF 2.53MB)</a>	2017
861.1	<a href="#">Underwater Noise Reduction of Marine Pile Driving Using a Double Pile: Vashon Ferry Terminal Test (PDF 1.59MB)</a>	2016
860.1	<a href="#">Recommendations for Extending Asphalt Pavement Life within Washington State (PDF 5.22MB)</a>	2016
859.1	<a href="#">Assessment of Lube Oil Management and Self-Cleaning Oil Filter Feasibility in WSF Vessels - Final Report (PDF 1.01MB)</a>	2016
858.1	<a href="#">Investigation of Premature Strip Seal Joint Failures and Recommendations for Assuring Proper Strip Seal Joint Installation: Bridge 5/104W (PDF 5.33MB)</a>	2015
857.1	<a href="#">Urban and Suburban Arterial Safety Performance Functions: Final Report (PDF 5.19MB)</a>	2016
856.1	<a href="#">Two-Lane Rural Highways Safety Performance Functions (PDF 4.62MB)</a>	2016
855.1	<a href="#">Evaluation of the Safety Performance of Continuous Mainline Roadway Lighting on Freeway Segments in Washington State (PDF 1.04MB)</a>	2016
854.1	<a href="#">Digital Roadway Interactive Visualization and Evaluation Network Applications to WSDOT Operational Data Usage (PDF 4.83MB)</a>	2016
853.1	<a href="#">Wheat Supply Chain Data Collection (PDF 2.18MB)</a>	2016
852.2	<a href="#">Pervious Concrete Parking Strips - Final Report (PDF 4.07MB)</a>	2019
852.1	<a href="#">Pervious Concrete Parking Strips (PDF 3.73MB)</a>	2016
851.1	<a href="#">Kwik Bond Polymers® High Friction Surface Treatment (PDF 3.04MB)</a>	2015
850.1	<a href="#">Food Distribution Supply Chain Data Collection: Supply Chain Firm Interviews and Truck Counts (PDF 1.03MB)</a>	2016
849.1	<a href="#">Underwater Noise Reduction of Marine Pile Driving Using a Double Pile (PDF 5.33MB)</a>	2015
848.1	<a href="#">Experimental Evaluation of Compost Leachates (PDF 3.08MB)</a>	2015
847.1	<a href="#">Study on Illumination for State Highways (PDF 2.90MB)</a>	2016
846.1	<a href="#">Evaluation of the Effects of Changing to Continuous Access HOT Lanes on SR 167 (PDF 5.74MB)</a>	2016
845.1	<a href="#">Evaluation of Performance Based Concrete for Bridge Decks (PDF 22MB)</a>	2015
844.1	<a href="#">Developing a System for Computing and Reporting MAP-21 and Other Freight Performance Measures (PDF 2.03MB)</a>	2015
843.1	<a href="#">Identification of Test Methods for Determining Wood Guardrail Post Integrity (PDF 1.86MB)</a>	2015
842.1	<a href="#">Washington State Short Line Rail Inventory and Needs Assessment (PDF 11.48MB)</a>	2015
841.1	<a href="#">Chip Seal Performance Measures--Best Practices (PDF 2.54MB)</a>	2015
840.3	<a href="#">Project Inspection Using Mobile Technology--Phase III: Workflow Identification Research (PDF 4.23MB)</a>	2016
840.2	<a href="#">Project Inspection Using Mobile Technology--Phase II: Assessing the impacts of mobile technology on project inspection (PDF 3.29MB)</a>	2015
840.1	<a href="#">Project Inspection Using Mobile Technology--Phase I: An investigation into existing business processes and areas for improvement using mobile technology (PDF 726.69KB)</a>	2013
839.1	<a href="#">Ground Penetrating Radar Evaluation of New Pavement Density (PDF 2.22MB)</a> v	2015

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838.1	<a href="#">Determining Changes in Greenhouse Gas Emissions (1990-2010) due to Pavement Technology (PDF 1.18MB)</a>	2015
837.1	<a href="#">WSDOT Chip Seals - Optimal Timing, Design, and Construction Considerations (PDF 1.07MB)</a>	2014
836.1	<a href="#">Truck Freight Commodity Flows: US 395 North of Spokane Washington (PDF 2.51MB)</a>	2014
832.1	<a href="#">Travel Costs Associated with Flood Closures of State Highways near Centralia/Chehalis, Washington (PDF 773MB)</a>	2014
831.1	<a href="#">Effects of Extended Discharge Time and Revolution Counts for Ready-mixed Concrete (PDF 3.09MB)</a>	2014
830.1	<a href="#">How Can We Maximize Efficiency and Increase Person Occupancy at Overcrowded Park and Rides? (PDF 2.9MB)</a>	2014
829.1	<a href="#">Effects of Natural Gas Vehicles and Fuel Prices on Key Transportation Economic Metrics (PDF 4MB)</a>	2014
828.1	<a href="#">Methods for Estimating Bicycling and Walking in Washington State (PDF 1.73MB)</a>	2014
827.1	<a href="#">Performance-Based Design Factors for Pile Foundations (PDF 4.9MB)</a>	2014
826.1	<a href="#">Evaluation of Recycled Concrete as Aggregate in New Concrete Pavements (PDF 1.07MB)</a>	2014
825.1	<a href="#">Freight Commodity Flows: Selected Washington State Highways (PDF 1.25MB)</a>	2014
824.1	<a href="#">WSDOT Building Asset Management -- An Exploratory Case Study: Impact of Failures at the Corson Avenue TEF Shop on WSDOT Services (PDF 1.38MB)</a>	2013
823.1	<a href="#">I-90 Demonstration Project: Long-Term Performance of Tiebacks Installed in Glacially Overridden Clays (PDF 12.5MB)</a>	2020
822.1	<a href="#">Media Filter Drain: Modified Design Evaluation and Existing Design Longevity Evaluation (PDF 1.05MB)</a>	2014
821.2	<a href="#">Investigation of Flow and Local Scour Characteristics around Permeable WSDOT Dolotimber Engineered Logjams (ELJ) (PDF 14MB)</a>	2018
821.1	<a href="#">Prediction of Scour Depth in Gravel Bed Rivers Using Radio Frequency IDs: Application to the Skagit River (PDF 2.49MB)</a>	2013
820.1	<a href="#">Endangered Species Act Analysis Model Comparison Study: Comparing Hi-Run and SELDM for use in Washington State Department of Transportation Biological Assessments (PDF 2.13MB)</a>	2013
819.1	<a href="#">Chemical and Physical Characteristics of Compost Leachates - A Review (PDF 3.24MB)</a>	2013
817.1	<a href="#">Summary Report on the Performance of Open-Graded Friction Course Quieter Pavements: I-5 Lynnwood, SR-520 Medina, I-405 Bellevue (PDF 0.97MB)</a>	2013
816.4	<a href="#">Mechanisms Involved in the Removal of Heavy Metals from Stormwater via Lignocellulosic Filtration Media (PDF 1.92MB)</a>	2018
816.3	<a href="#">Sustainable Design Guidelines to Support the WSF Terminal Design Manual: Assessment of Copper and Zinc Adsorption to Lignocellulosic Filtration Media Using Laboratory and Field Scale Column Tests for the Purpose of Urban Stormwater Remediation (PDF 3.84MB)</a>	2016
816.2	<a href="#">Sustainable Design Guidelines to Support the Washington State Ferries Terminal Design Manual: Design Guideline Application and Refinement (PDF 113.91MB)</a>	2013
816.1	<a href="#">Sustainable Design Guidelines to Support the Washington State Ferries Terminal Design Manual: Stormwater and Material Issues (PDF 1.43MB)</a>	2011
815.1	<a href="#">Development of a Freight Benefit/Cost Methodology for Project Planning (PDF 1.26MB)</a>	2013
814.1	<a href="#">Concrete Pavement Noise (PDF 1.32MB)</a>	2013

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813.1	<a href="#">Fatigue and Strength Tests of Heat-Straightened Ferry Loading Bridge Hanger Bars (PDF 2.68MB)</a>	2013
812.1	<a href="#">Cable Median Barrier Program in Washington State (PDF 7.8)</a>	2013
811.2	<a href="#">Standard Practice for Washing and Cleaning Concrete Bridge Decks and Substructure Bridge Seats including Bridge Bearings and Expansion Joints to Prevent Structural Deterioration (PDF 2.31MB)</a>	2013
811.1	<a href="#">Determining the Cost/Benefit of Routine Maintenance Cleaning of Steel Bridges to Prevent Structural Deterioration (PDF 1.23MB)</a>	2013
810.1	<a href="#">Error Assessment for Emerging Traffic Data Collection Devices (PDF 4.97MB)</a>	2014
809.1	<a href="#">Safety and Operations Assessment of Various Left-turn Phasing Strategies (PDF 2MB)</a>	2018
808.1	<a href="#">Guidelines for Prioritization of Future Active Traffic Management Deployment (PDF 668.50KB)</a>	2014
807.1	<a href="#">Road Usage Charge Pilot Project Final Evaluation Report for Washington State Participants (PDF 0.78MB)</a>	2013
806.3	<a href="#">Tools for Estimating VMT Reductions from Built Environment Changes (PDF 555KB)</a>	2013
806.2	<a href="#">Sidewalk Data in King County's Urban Growth Boundary (PDF 2.31MB)</a>	2013
806.1	<a href="#">A Framework for Monitoring the Performance of Travel Demand Management and Vehicle Miles Traveled (VMT) Reduction Activities (PDF 1.67MB)</a>	2013
805.1	<a href="#">Land Development Risks Along State Transportation Corridors (PDF 2.61MB)</a>	2013
804.1	<a href="#">Characterizing the Load Environment of Washington State Ferry and Alaska Marine Highway Ferry Landings (PDF 6.88MB)</a>	2013
803.1	<a href="#">Baseline Wildlife Monitoring at I-90 Snoqualmie Pass East, Prior to the Installation of Wildlife Crossing Structures (PDF 10.93MB)</a>	2012
802.1	<a href="#">Structural Design Parameters of Current WSDOT Mixtures (PDF 2.37MB)</a>	2013
801.1	<a href="#">Plug-In Electric Vehicle Action Tool (PDF 0.96MB)</a>	2013
800.1	<a href="#">WSDOT Pavement Preservation Guide for Local Agencies (PDF 1.68MB)</a>	2012
799.1	<a href="#">Performance Analysis of Centerline and Shoulder Rumble Strips Installed in Combination in Washington State (PDF 2.3MB)</a>	2013
798.2	<a href="#">Pavement Edge Treatment - Final Report (PDF 4.58MB)</a>	2018
798.1	<a href="#">Pavement Edge Treatment (PDF 2.22MB)</a>	2013
797.2	<a href="#">Polyester Polymer Concrete Overlay Final Report (PDF 7.51MB)</a>	2019
797.1	<a href="#">Polyester Polymer Concrete Overlay (PDF 3.23MB)</a>	2013
796.1	<a href="#">Identification and Laboratory Assessment of Best Practices to Protect DOT Equipment from the Corrosive Effect of Chemical Deicers (PDF 5MB)</a>	2013
795.1	<a href="#">Glass Fiber Reinforced Polymer Dowel Bar Evaluation (PDF 2.56MB)</a>	2012
794.1	<a href="#">Congestion Survey (PDF 0.28MB)</a>	2013
793.1	<a href="#">Compost-Amended Biofiltration Swale Evaluation (PDF 1.95MB)</a>	2011
792.1	<a href="#">Improving Statewide Freight Routing Capabilities for Sub-National Commodity Flows (PDF 3.59MB)</a>	2012
791.1	<a href="#">Earthquake Ground Motion Selection (PDF 2.26MB)</a>	2012
790.1	<a href="#">Concrete Performance Using Low-Degradation Aggregates (PDF 1.57MB)</a>	2012
789.1	<a href="#">Evaluation of the Performance of Warm Mix Asphalt in Washington State (PDF 2.65MB)</a>	2012
788.2	<a href="#">Evaluation of Tyregrip High-Friction Surfacing - Final Report (PDF 1.66MB)</a>	2017
788.1	<a href="#">Evaluation of Tyregrip® High-Friction Surfacing (PDF 0.42MB)</a>	2012
787.1	<a href="#">Design Guidelines for Horizontal Drains used for Slope Stabilization (PDF 17.8MB)</a>	2013

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785.1	<a href="#">Expansion Joint Noise Reduction Project on the New Tacoma Narrows Bridge (PDF 1.25MB)</a>	2011
783.1	<a href="#">Defining the Washington State Truck Intermodal Network (PDF 1.6MB)</a>	2011
782.1	<a href="#">Error Modeling and Analysis for Travel Time Data Obtained from Bluetooth MAC Address Matching (PDF 3.19MB)</a>	2011
781.1	<a href="#">An Investigation of Underwater Sound Propagation from Pile Driving (PDF 1.09MB)</a>	2011
780.1	<a href="#">Washington's Complete Streets &amp; Main Street Highways Program: Case Studies and Practice Resource (PDF 3.61MB)</a>	2011
779.1	<a href="#">Use of the 1993 AASHTO Guide, MEPDG and Historical Performance to Update the WSDOT Pavement Design Catalog (PDF 1.55KB)</a>	2011
778.1	<a href="#">LiDAR for Data Efficiency (PDF 4.11MB)</a>	2011
777.1	<a href="#">Permeability of Existing Structures for Terrestrial Wildlife: Developing a Passage Assessment System (PDF 8.7MB)</a>	2011
776.2	<a href="#">Shear Design Expressions for Concrete Filled Steel Tube and Reinforced Concrete Filled Tube Components (PDF 5.98MB)</a>	2016
776.1	<a href="#">Initial Investigation of Reinforced Concrete Filled Tubes for Use in Bridge Foundations (PDF 2.74MB)</a>	2012
774.1	<a href="#">Sustainable Roadside Design and Management for Urban Freeways in Western Washington (PDF 6.16MB)</a>	2011
773.1	<a href="#">Impact of Drilled Shaft Synthetic Slurries on Groundwater Quality (PDF 10.03MB)</a>	2011
772.1	<a href="#">Climate Change Impact Assessment for Surface Transportation in the Pacific Northwest and Alaska (PDF 8.49MB)</a>	2012
771.1	<a href="#">Eastern Washington Steep Slope Research for Management of Highway Stormwater (PDF 7.98MB)</a>	2011
770.1	<a href="#">Infrared Thermal Integrity Testing: Quality Assurance Test Method to Detect Drilled Shaft Defects (PDF 13.17MB)</a>	2011
768.1	<a href="#">Performance Analysis of Centerline Rumble Strips in Washington State (PDF 2.57MB)</a>	2011
767.2	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of the Next Generation Concrete Surface (PDF 1.04MB)</a>	2014
767.1	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of the Next Generation Concrete Surface (1.14MB)</a>	2011
765.1	<a href="#">An Assessment of Urban Form And Pedestrian and Transit Improvements As An Integrated GHG Reduction Strategy (PDF 5.92MB)</a>	2011
764.1	<a href="#">Summary of SPTC Pooled-Fund Study for Sharing and Evaluation of CalME Flexible Pavement Design Software (PDF 402.17KB)</a>	2010
763.1	<a href="#">Review of the Growth and Transportation Efficiency Center Program, with Recommendations for Increasing Benefits to Suburban Cities (PDF 1.17MB)</a>	2011
762.1	<a href="#">Experimental Evaluation of P-Y Curves Considering Liquefaction Development (PDF 10.11MB)</a>	2010
761.1	<a href="#">Incident Response Evaluation Phase 3 (PDF 2.45MB)</a>	2011
760.2	<a href="#">Use of a Double Chip Seal to Correct a Flushing Hot Mix Asphalt Pavement in Washington State - Final Report (PDF 1.58MB)</a>	2016

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760.1	<a href="#">Use of a Double Chip Seal to Correct a Flushing Hot Mix Asphalt Pavement in Washington State (PDF 1.65MB)</a>	2011
759.1	<a href="#">Investigating Longevity of Corrosion Inhibitors and Performance of Deicer Products Under Storage or After Pavement Application (PDF 9.76MB)</a>	2011
758.1	<a href="#">Quantifying Incident-Induced Travel Delays on Freeways Using Traffic Sensor Data: Phase II (PDF 1.69MB)</a>	2011
757.1	<a href="#">Triage Evaluation of Gusset Plates in Steel Truss Bridges (PDF 3.17MB)</a>	2010
756.1	<a href="#">Barriers to Implementing Low Impact Development Approaches in Washington State Roadways and Highways (PDF 1.73MB)</a>	2010
755.1	<a href="#">Assessing and Mitigating Dock Shading Impacts on the Behavior of Juvenile Pacific Salmon (<i>Oncorhynchus</i> spp.): Can Artificial Light Mitigate the Effects? (PDF 930.15KB)</a>	2010
754.1	<a href="#">Organizational Network Analysis for Two Networks in the Washington State Department of Transportation (PDF 5.03MB)</a>	2010
753.1	<a href="#">Seismic Retrofit of Cruciform-Shaped Columns in the Aurora Avenue Bridge Using FRP Wrapping (PDF 16.98MB)</a>	2010
752.1	<a href="#">Identifying High Risk Locations of Animal-Vehicle Collisions on Washington State Highways (PDF 2.15MB)</a>	2010
751.1	<a href="#">Impacts of VMT Reduction Strategies on Selected Areas and Groups (PDF 2.58MB)</a>	2010
750.2	<a href="#">2015 Comparison of Operational Performance: Washington State Ferries to Ferry Operators Worldwide (PDF 2.05MB)</a>	2015
750.1	<a href="#">A Comparison of Operational Performance: Washington State Ferries to Ferry Operators Worldwide (PDF 2.43MB)</a>	2010
749.2	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses Project 3 - Final Report (PDF 2.03MB)</a>	2013
749.1	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses - Project 3: Post-Construction and Performance Report (PDF 4.46MB)</a>	2010
748.1	<a href="#">Developing a GPS-Based Truck Freight Performance Measure Platform (PDF 4.62MB)</a>	2010
747.1	<a href="#">Mitigation Strategies for Early-Age Shrinkage Cracking in Bridge Decks (PDF 1.47MB)</a>	2010
746.1	<a href="#">Incorporating Assumptions for TDM Impacts in a Regional Travel Demand Model (PDF 2MB)</a>	2010
745.1	<a href="#">Materials Risk Analysis (PDF 760KB)</a>	2010
744.5	<a href="#">Effects of Loop Detector Installation on the Portland Cement Concrete Pavement Lifespan: Case Study on I-5 (PDF 1.95MB)</a>	2010
744.4	<a href="#">Life Cycle Assessment of Portland Cement Concrete Interstate Highway Rehabilitation and Replacement (PDF 1.21MB)</a>	2010
744.3	<a href="#">Studded Tire Wear on Portland Cement Concrete Pavement in the Washington State Department of Transportation Route Network (PDF 3.07MB)</a>	2010
744.2	<a href="#">A Brief History of Long-Life WSDOT Concrete Pavements (PDF 487KB)</a>	2010
744.1	<a href="#">Portland Cement Concrete Pavement Best Practices Summary Report (PDF 196KB)</a>	2010
743.3	<a href="#">Moving Forward: Safe Routes to School Progress in Five States (PDF 0.42MB)</a>	2012
743.2	<a href="#">So Many Choices, So Many Ways to Choose: How Five State Departments of Transportation Select Safe Routes to School for Funding (PDF 2.41MB)</a>	2011
743.1	<a href="#">Safe Routes to School (SRTS) Statewide Mobility Assessment Study - Phase 1 Report (PDF 2.87MB)</a>	2010
742.1	<a href="#">Through, Over, or Under Guardrail Penetration by Guardrail Height (PDF 928KB)</a>	2009

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741.1	<a href="#">Effect of Chloride-based Deicers on Reinforced Concrete Structures (PDF 4.48MB)</a>	2010
740.1	<a href="#">Development of a Resource Planning Index for Washington's Scenic and Recreational Highways (PDF 0.4MB)</a>	2010
738.2	<a href="#">Long-Term Performance of a Hot In-Place Recycling Project -- Final Report (PDF 2.66MB)</a>	2016
738.1	<a href="#">Evaluation of Hot In-Place Recycle (PDF 8.25MB)</a>	2010
737.1	<a href="#">An Analysis of the Puget Sound In-Vehicle Traffic Map Demonstration (PDF 1.63MB)</a>	2010
736.1	<a href="#">Assessment of Alternatives in Vegetation Management at the Edge of Pavement (PDF 4.66MB)</a>	2010
734.1	<a href="#">Geologic Assessment of Potential Aggregate Source Areas in Pend Oreille County, Washington (PDF 10.2MB)</a>	2009
733.1	<a href="#">State Highways as Main Streets: A Study of Community Design and Visioning (PDF 9MB)</a>	2009
732.2	<a href="#">Seismic Assessment of WSDOT Bridges With Prestressed Hollow Core Piles-Part II (PDF 6.4MB)</a>	2009
732.1	<a href="#">Seismic Assessment of WSDOT Bridges with Prestressed Hollow Core Piles - Part 1 (PDF 5.41MB)</a>	2009
731.1	<a href="#">Identification Needs in Developing, Documenting, and Indexing WSDOT Photographs (PDF 0.16MB)</a>	2010
730.1	<a href="#">Development and Analysis of a GIS-Based Statewide Freight Data Flow Network (PDF 4.88MB)</a>	2009
729.1	<a href="#">Use of Ring Nets for Slope Protection for Rockfall: End-of-Construction Report (PDF 9.56MB)</a>	2009
728.2	<a href="#">Evaluation of Portland Cement Concrete Pavement with High Slag Content Cement (PDF 1.07MB)</a>	2013
728.1	<a href="#">Evaluation of Portland Cement Concrete Pavement with High Slag Content Cement (PDF 1.34MB)</a>	2009
727.1	<a href="#">Evaluation of Dowel Bar Retrofit for Long-Term Pavement Life in Washington State (PDF 25.68MB)</a>	2009
726.1	<a href="#">Use of Recycled Concrete Aggregate in PCCP: Literature Search (PDF 1.22MB)</a>	2009
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723.1	<a href="#">Evaluation of Warm Mix Asphalt (PDF 20.86MB)</a>	2009
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711.1	<a href="#">Performance of Modified Class D HMA Pavements in Washington State (PDF 18.64MB)</a>	2008
710.2	<a href="#">Trinidad Lake Asphalt Overlay Performance Final Report (PDF 2.38MB)</a>	2014
710.1	<a href="#">Evaluation of Trinidad Lake Asphalt Overlay Performance (PDF 1.36MB)</a>	2008
708.4	<a href="#">2008 Economic Impact of I-5 &amp; I-90 Highway Closures on Shipping, Freight, and Trucking Businesses: A Telephone and Web Survey--Graphical Summary (PDF 2.27MB)</a>	2008
708.3	<a href="#">2008 Economic Impact of I-5 &amp; I-90 Highway Closures on Shipping, Freight, and Trucking Businesses: A Telephone and Web Survey--Data Report (PDF 6.25MB)</a>	2008
708.2	<a href="#">Storm-Related Closures of I-5 and I-90: Freight Transportation Economic Impact Assessment Report Winter 2007-2008, Methodology Appendix (PDF 486.69KB)</a>	2008
708.1	<a href="#">Storm Related Closures of I-5 and I-90: Freight Transportation Economic Impact Assessment Report, Winter 2007-2008 (PDF 1.23MB)</a>	2008
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691.1	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses--Project 2: Post-Construction and Performance Report (PDF 3.82MB)</a>	2008
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687.1	<a href="#">Hydrodynamic Regimes and Structures in Sloped Weir Baffled Culverts and Their Influences on Juvenile Salmon Passage (PDF 2.69MB)</a>	2007
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683.1	<a href="#">Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses -- Project 1: Post-Construction and Performance Report (PDF 5.27MB)</a>	2008
682.3	<a href="#">Development of Revised Pavement Condition Indices for Portland Cement Concrete Pavement for the WSDOT Pavement Management System (PDF 291.61KB)</a>	2008
682.2	<a href="#">Assessment of the I-5 Portland Cement Concrete Pavement in King County: Executive Summary (PDF 748.09KB)</a>	2007
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664.1	<a href="#">Reliability-Based Design of Seismic Retrofit for Bridges (PDF 347KB)</a>	2007

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662.1	<a href="#">NCHRP Report 350 Test 3-11 of the Long-Span Guardrail with 5.7 M Clear Span and Nested W-Beams Over 11.4 M (PDF 5.3MB)</a>	2006
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657.2	<a href="#">Wear Resistant Pavement Study (PDF 1.11MB)</a>	2009
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656.1	<a href="#">Improving Truck and Speed Data Using Paired Video and Single-Loop Sensors (PDF 2.13MB)</a>	2006
655.1	<a href="#">The Use of Weather Data to Predict Non-Recurring Traffic Congestion (PDF 517KB)</a>	2006
654.1	<a href="#">Safety Evaluation Testbeds - An Assessment of Safety Project Prioritization in the WSDOT I2 Program (PDF 700KB)</a>	2006
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651.1	<a href="#">HOT Lane Buffer and Mid-Point Access Design Review Report (PDF 2.21MB)</a>	2006
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636.2	<a href="#">In-Service Evaluation of Major Urban Arterials with Landscaped Medians-Phase II (PDF 607.9KB)</a>	2009
636.1	<a href="#">In-Service Evaluation of Major Urban Arterials with Landscaped Medians - Conditions as of 2004 (PDF 3.29MB)</a>	2007
635.2	<a href="#">The Automated Use of Un-Calibrated CCTV Cameras as Quantitative Speed Sensors--Phase 3 (PDF 1.7MB)</a>	2006
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632.1	<a href="#">Highway Project Delivery Requirements (PDF 9.48MB)</a>	2006
631.1	<a href="#">A Motorist and Pedestrian Behavioral Analysis on SR 7 (PDF 674KB)</a>	2005
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626.1	<a href="#">State Route 105: Benefit - Cost Analysis (PDF 2.28MB)</a>	2005
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624.1	<a href="#">Summary Report: Washington State Road Weather Information Systems (PDF 237KB)</a>	2005
623.1	<a href="#">Central Puget Sound Freeway Network Usage and Performance, 2003 Update (PDF 5.87MB)</a>	2005
622.1	<a href="#">Identifying I-90 Wildlife Corridors Using GIS &amp; GPS: Spatial-Temporal Model of Landscape Use by GPS Marked Cougars (PDF 39.22MB)</a>	2005
621.1	<a href="#">Assessment of Alternatives in Roadside Vegetation Management (PDF 1.07MB)</a>	2005
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615.2	<a href="#">Travel Indicators and Trends in Washington State Summary (PDF 169KB)</a>	2005
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595.1	<a href="#">Long-Term Performance of Geotextile Separators, Bucoda Test Site—Phase III (PDF 12.63MB)</a>	2005
594.1	<a href="#">State-of-the-Art Report on Precast Concrete Systems for Rapid Construction of Bridges (PDF 7.47MB)</a>	2005
593.2	<a href="#">Guidance on Using Remote Sensing Applications for Environmental Analysis in Transportation Planning (PDF 1.33MB)</a>	2004
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585.1	<a href="#">Screening Model for Determining Likelihood of Site Occupancy by Oregon Spotted Frogs (<i>Rana pretiosa</i>) in Washington State (PDF 1.68MB)</a>	2004
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584.1	<a href="#">HOV Lane Performance Monitoring: 2002 Report, Volume 2-Trends (PDF 677KB)</a>	2004
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547.2	<a href="#">Multimodal Investment Choice Analysis. Volume II, Program Code (PDF 324KB)</a>	2002
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524.1	<a href="#">Ecological Issues in Floodplains and Riparian Corridors (PDF 3.19MB)</a>	2001
523.1	<a href="#">Mapping of Subtidal and Intertidal Habitat Resources: Hood Canal Floating Bridge, Washington (PDF 1.66MB)</a>	2002
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522.1	<a href="#">Prediction of Soil Reinforcement Loads in Mechanically Stabilized Earth Walls (PDF 3.04MB)</a>	2001
521.3	<a href="#">Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington: Final Report (PDF 2.3MB)</a>	2002
521.2	<a href="#">Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington: Report 2 (PDF 1.13MB)</a>	2002
521.1	<a href="#">Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington (PDF 890KB)</a>	2001
520.1	<a href="#">Seismic Instrumentation for the Alaskan Way Viaduct (PDF 6.75MB)</a>	2002
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517.1	<a href="#">A Quantification and Evaluation of WSDOT's Hot-Mix Asphalt Concrete Statistical Acceptance Specification (PDF 490KB)</a>	2001
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514.1	<a href="#">Dynamic Stiffness of Piles in Liquefiable Soils (PDF 5.89MB)</a>	2002
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508.2	<a href="#">Overwater Structures: Marine Issues (Executive Summary) (PDF 237KB)</a>	2001
508.1	<a href="#">Overwater structures: Marine Issues (PDF 2.15MB)</a>	2001



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507.1	<a href="#">Dredging Activities: Marine Issues (PDF 2.95MB)</a>	2001
506.2	<a href="#">HOV Lane Performance Monitoring: 2000 Report (Executive Summary) (PDF 426KB)</a>	2001
506.1	<a href="#">HOV Lane Performance Monitoring: 2000 Report (PDF 6.8MB)</a>	2002
505.1	<a href="#">Smart Trek: A Model Deployment Initiative (PDF 1.68MB)</a>	2001
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493.2	<a href="#">Central Puget Sound Freeway Network Usage and Performance, 1999 Update, Volume 2: Trends (PDF 1.2MB)</a>	2000
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488.2	<a href="#">Potential Use of Puget Sound HOV Lanes by General Purpose Vehicles in Off-Peak Hours: A Summary Paper (PDF 323KB)</a>	2000
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482.1	<a href="#">Retrofit of Split Bridge Columns (PDF 7.06MB)</a>	2000
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462.5	<a href="#">SWIFT: Seattle Wide-area Information for Travelers, Communications Study (PDF 6.8MB)</a>	1998
462.4	<a href="#">SWIFT: Seattle Wide-area Information for Travelers, Institutional Issues Study (PDF 2.9MB)</a>	1998
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424.1	<a href="#">Methyl Methacrylate (MMA) Lane Lines, I-5, Nisqually River Bridge to Gravelly Lake I/C (PDF 221KB)</a>	1996
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378.3	<a href="#">Special Noise Barrier Applications: Phase III (PDF 902KB)</a>	1996
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371.2	<a href="#">Evaluation of Design Methodologies for Soil-Nailed Walls, Volume 2: Distribution of Axial Forces in Soil Nails Based on Interpretation of Measured Strains (PDF 3.6MB)</a>	1998
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370.1	<a href="#">Bicycle Facilities and Use (PDF 3.46MB)</a>	1995

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366.1	<a href="#">Evaluation and Application of Washington State's Incident Response Guide (PDF 1.76MB)</a>	1994
365.1	<a href="#">Freeway Traffic Data Prediction Using Artificial Neural Networks and Development of a Fuzzy Logic Ramp Metering Algorithm (PDF 3.91MB)</a>	1995
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364.1	<a href="#">Washington-Integrated Networked Geo-Based System (WINGS): User Requirements and Conceptual Design (PDF 3.08MB)</a>	1994
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363.2	<a href="#">Seismic Vulnerability of the Alaskan Way Viaduct: Geotechnical Engineering Aspects (PDF 5.81MB)</a>	1995
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361.1	<a href="#">Seismic Vulnerability of Strutted-Column Bridge Bents (PDF 10.59MB)</a>	1995
360.2	<a href="#">IVHS Data and Information Structure: Final Technical Report (PDF 11.15MB)</a>	1995
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359.1	<a href="#">An Analysis of Factors Accounting for Successes and Failures in the Acceptance and Utilization of Employer TDM Programs by Employers (PDF 11.85MB)</a>	1995
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336.1	<a href="#">Sediment Basin Design Criteria (PDF 258KB)</a>	1993
335.1	WSDOT Pavement Guide (contact <a href="mailto:library@wsdot.wa.gov">library@wsdot.wa.gov</a> )	1995
334.1	<a href="#">Road Rater Study (PDF 4.45MB)</a>	1993
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332.1	<a href="#">Investigation of GPS and GIS for Traveler Information (PDF 1.39MB)</a>	1994
331.1	<a href="#">Ferry Wake Study: Final Report (PDF 1.92MB)</a>	1993
330.1	<a href="#">Rubberized ACP Class "D": SR-520, Evergreen Point Bridge to SR-908 (PDF 383KB)</a>	1994
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328.1	<a href="#">Analytical Modeling of Foundations for Seismic Analysis of Bridges: Final Report (PDF 1.44MB)</a>	1994
327.2	<a href="#">Noise Mitigation Strategies: Final Technical Report (PDF 4.71MB)</a>	1993
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322.1	<a href="#">Toxicity of Additives Used to Control Odors in Recreational Vehicle Wastewater (PDF 3.16MB)</a>	1994
321.2	<a href="#">Performance of Geotextile Separators (PDF 1.53MB)</a>	1996

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320.3	<a href="#">Final Technical Report for Task A: Truck Loads and Flows (PDF 2.97MB)</a>	1993
320.2	<a href="#">Truck Loads and Flows (PDF 777KB)</a>	1993
320.1	<a href="#">Truck Flows and Loads for Pavement Management (PDF 1.25MB)</a>	1993
319.1	<a href="#">Concrete Paving Blocks: An Overview (PDF 2.27MB)</a>	1993
318.1	<a href="#">HOV Monitoring and Evaluation Tool (PDF 2.9MB)</a>	1994
317.2	<a href="#">Recommended Congestion Monitoring Options for WSDOT: Final Report (PDF 1.5MB)</a>	1994
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314.1	<a href="#">Summary of Truck Loading Patterns in Washington State (PDF 816KB)</a>	1993
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301.2	<a href="#">HOV Improvements on Signalized Arterials in the Seattle Area. Volume II, State of the Art Review (PDF 1.42MB)</a>	1993
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297.1	<a href="#">Pilot Study of an Unstable Slope Management System (PDF 1.23MB)</a>	1994
296.3	<a href="#">Automated Vessel Logs. Volume III, User's Guide for the Log Prototype (PDF 651KB)</a>	1993



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296.1	<a href="#">Automated Vessel Logs. Volume I (PDF 1.43MB)</a>	1993
295.1	<a href="#">Prioritization of Capacity Improvements (PDF 4.43MB)</a>	1995
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293.2	<a href="#">Freeway and Arterial Integrated Control System: Final Report (PDF 866KB)</a>	1993
293.1	<a href="#">Freeway and Arterial Integrated Control System: Final Technical Report (PDF 3.08MB)</a>	1993
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289.1	<a href="#">An Emergency Response Plan for Bridge Management (PDF 1.93MB)</a>	1993
288.5	<a href="#">Freeway and Ramp Real Time Forecasting. Volume V, Short-Term Forecasts of Freeway Traffic Volumes and Lane Occupancies: Phase 2 (PDF 1.44MB)</a>	1993
288.4	<a href="#">Freeway and Ramp Real Time Forecasting. Volume IV, Short-Term Forecasts of Freeway Traffic Volumes and Lane Occupancies: Phase 1 (PDF 2.03MB)</a>	1993
288.3	<a href="#">Freeway and Ramp Real Time Forecasting. Volume III, Evaluation of a Predicting Algorithm for a Real-Time Ramp Control System (PDF 2.16MB)</a>	1993
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279.1	<a href="#">Darex Corrosion Inhibitor: Niawiakum River Bridge 101/42 and Palix River Bridge 101/40 Replacement (PDF 455KB)</a>	1992
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267.2	<a href="#">Ferry Landing Design Criteria II: Vessel Characteristics and How They Influence Ferry Landing Design (PDF 52.58MB)</a>	1993
267.1	<a href="#">Ferry Landing Design Criteria II: Vessel Tracking Methods for Ferry Landing Design (PDF 5.26MB)</a>	1993
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252.3	<a href="#">Use of Recycled Materials in Highway Construction. Appendix I, Database of Recycled Materials Suppliers and Vendors (PDF 1.32MB)</a>	1992
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247.1	<a href="#">Comprehensive System-Level Noise Reduction Strategies: Final Report (PDF 1.43MB)</a>	1991
246.1	<a href="#">Constructability Improvement of Highway Projects in Washington (PDF 2.01MB)</a>	1991
245.1	<a href="#">Bridge No. 5/725 Alger Road Undercrossing, Bridge No. 5/803 Samish Inn Undercrossing, Bridge No. 5/807 South Bellingham Undercrossing: Microsilica Modified Concrete Overlay (PDF 1.01MB)</a>	1991
244.1	<a href="#">Thin Overlay, Custer Way Undercrossing 5/316 (PDF 639KB)</a>	1991
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225.1	<a href="#">Incident Response Guide: Office Reference (PDF 814KB)</a>	1991

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223.1	<a href="#">Freeway Incident Management for Medium-Sized Urban Areas (Phase II) (PDF 1.67MB)</a>	1991
222.1	<a href="#">Martin Way O'Xing Ceva-Crete Expansion Joint System: Bridge No. 5/337 E &amp; W (PDF 519KB)</a>	1990
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217.1	<a href="#">Bridge Seismic Retrofit Planning Program (PDF 1.98MB)</a>	1991
216.1	<a href="#">Development of Standard Specifications for Bending/Straightening Concrete Reinforcing Steel (PDF 1.08MB)</a>	1991
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203.1	<a href="#">Prediction of Snow Avalanches in Maritime Climates: Final Report (PDF 1.75MB)</a>	1989
202.1	<a href="#">Urban Interstate Portland Cement Concrete Rehabilitation Alternatives for Washington State (PDF 7.3MB)</a>	1991

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200.2	<a href="#">Highway Construction Site Erosion and Pollution Control Manual: Implementation Manual (PDF 802KB)</a>	1989
200.1	<a href="#">Improving the Cost Effectiveness of Highway Construction Site Erosion and Pollution Control (PDF 12.39MB)</a>	1990
199.1	<a href="#">68th Annual TRB Meeting: Annual Report (PDF 2.8MB)</a>	1988
198.1	<a href="#">Carbon Black Additive in Asphalt: SR-290, Spokane Vicinity, Flora Road to Idaho State Line (PDF 492KB)</a>	1989
197.1	<a href="#">Freeway Incident Management in the Spokane Area (PDF 968KB)</a>	1989
195.1	<a href="#">Guide for Wetland Mitigation Project Monitoring (PDF 5.98MB)</a>	1989
194.1	<a href="#">Clear Zones for Local Agencies (PDF 1.22MB)</a>	1989
193.1	<a href="#">Ferry Pricing Strategies Analysis (PDF 2.08MB)</a>	1989
192.1	<a href="#">Estimating Statewide Vehicle-Miles of Travel: State of the Art Review (PDF 1.87MB)</a>	1987
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188.1	<a href="#">Evaluation of the Bellevue UTCS 1.5 Signal Control System (PDF 1.32MB)</a>	1990
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183.1	<a href="#">A Forecasting Model for Grain Transportation Planning in Washington State (PDF 1.57MB)</a>	1987
182.1	<a href="#">Washington State Department of Transportation Weigh-In-Motion Needs and Potential Data Collection Plans (PDF 865KB)</a>	1989
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173.1	<a href="#">Rest Area Usage Design Criteria Update (1.32MB)</a>	1989
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170.2	<a href="#">An Overview of Recent WSDOT Pavement Design Research and Implementation Efforts (PDF 282KB)</a>	1992
170.1	<a href="#">Mechanistic-Based Overlay Design Procedure for Washington State Flexible Pavements (PDF 1.11MB)</a>	1989

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168.3	<a href="#">Grouting Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 73KB)</a>	1988
168.2	<a href="#">Bending/Straightening Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 120KB)</a>	1988
168.1	<a href="#">Bending/Straightening and Grouting Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 2.31MB)</a>	1988
166.1	<a href="#">Bridge Standards--Local Governments (PDF 1.09MB)</a>	1988
165.1	<a href="#">Asphalt Extraction Study (PDF 889KB)</a>	1988
164.1	<a href="#">Burlington Northern Railroad Overcrossing Bridge, Microsilica Modified Concrete Overlay Bridge No. 5/718W (PDF 2.75MB)</a>	1989
163.1	<a href="#">Comparison of Methods for Estimating Pile Capacity (PDF 1.44MB)</a>	1988
162.1	<a href="#">Regional Computer Assisted Cartography Conferences: Summary (PDF 7.36MB)</a>	1988
161.2	<a href="#">A Personnel Scheduling Management System for Washington State Department of Transportation Construction Field Offices: An Investigation of Current Practices, Needs and Design Specifications (PDF 909KB)</a>	1988
161.1	<a href="#">A Personnel Scheduling Management System for Washington State Department of Transportation Construction Field Offices: An Investigation of Current Practices, Needs and Design Specifications (PDF 4.49MB)</a>	1988
160.1	<a href="#">An Evaluation of Flagging Techniques and Devices on Two-Lane Highway Construction Zones (PDF 2.04MB)</a>	1988
159.1	<a href="#">Driver Information Services: The Feasibility of Using Local Access Cable TV (PDF 1.88MB)</a>	1988
158.1	<a href="#">Shaking Table Tests on Piles (PDF 1.75MB)</a>	1988
157.1	<a href="#">Auto Occupancy Monitoring Study (PDF 1.89MB)</a>	1988
156.2	<a href="#">Traffic and Safety Analysis Procedures: Final Report (PDF 787KB)</a>	1988
156.1	<a href="#">Traffic and Safety Procedure: Project Report on the Safety and Accident Procedures (PDF 2.5MB)</a>	1988
155.1	<a href="#">Design of Continuous Bridges Using Precast, Prestressed Concrete Girders Without End Blocks (PDF 14.93MB)</a>	1987
154.1	<a href="#">Highway Research Design Guide (PDF 2.39MB)</a>	1988
153.1	<a href="#">Development of P-Y Curves for Analysis of Laterally Loaded Piles in Western Washington (PDF 2.76MB)</a>	1988
152.1	<a href="#">Development of a Bridge Deck Management System for the Washington State Department of Transportation (PDF 1.45MB)</a>	1988
151.1	<a href="#">Gabion Wall Soil Interaction Study: I-90, Snoqualmie Pass Vicinity (PDF 1.07MB)</a>	1988
150.1	<a href="#">Closed Circuit Television System for Incident Identification and Verification: I-5, Seattle Freeway System (PDF 216KB)</a>	1988
149.1	<a href="#">Pacific Avenue O'Xing Evazote 50 Expansion Joint Seal, Bridge No. 5/332 (PDF 811KB)</a>	1990
148.1	<a href="#">Thin Overlay: Naches River Bridge 82/115S, Yakima River Bridge 82/114S (PDF 1.06MB)</a>	1988
147.1	<a href="#">PlusRide and Bonifibers Pavement Evaluation: SR-530, Stanwood Vicinity (PDF 854KB)</a>	1987
146.1	<a href="#">Stress Wave Inspection of Bridge Timbers and Decking (PDF 2.59MB)</a>	1987
145.2	<a href="#">Design Guide for Cut Slopes in Loess of Southeastern Washington (PDF 1.93MB)</a>	1987
145.1	<a href="#">Engineering Design in Loess Soils of Southeastern Washington (PDF 1.95MB)</a>	1987

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144.1	<a href="#">Maintenance of Aggregate and Earth Roads (PDF 4.24MB)</a>	1987
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143.1	<a href="#">Pavement Performance Equations (PDF 1.9MB)</a>	1988
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138.1	<a href="#">Seismic Response of Tieback Retaining Walls (Phase I) (PDF 1.28MB)</a>	1987
137.1	<a href="#">Evaluation of Concrete Overlays for Bridge Applications (PDF 1.75MB)</a>	1987
136.1	<a href="#">Asphalt Seal Coats: Factors Affecting and Techniques for Obtaining Consistently Good Seal Coats (PDF 844KB)</a>	1987
135.1	<a href="#">A Review of Impacts on Washington County Roads of Grain Transportation Changes (PDF 858KB)</a>	1987
134.1	<a href="#">Double Bottom Truck Accidents on Interstate 90: Project Report (PDF 229KB)</a>	1987
133.1	<a href="#">Fiber Reinforced Asphalt Concrete Pavements - City of Tacoma (PDF 562KB)</a>	1987
132.1	<a href="#">Internally Sealed Concrete Using Wax Beads (PDF 696KB)</a>	1987
131.1	<a href="#">Asphalt-Rubber Open-Graded Friction Course, I-5, Vancouver Vicinity (PDF 274KB)</a>	1987
130.2	<a href="#">PlusRide Asphalt Concrete Pavement - SR 405, Contract 2768, S Curve/Cedar River Bridge and RR Bridge (PDF 94KB)</a>	1990
130.1	<a href="#">PlusRide Asphalt Pavement - SR 405, Contract 2768, S Curve/Cedar River Bridge and RR Bridge (PDF 914KB)</a>	1987
129.1	<a href="#">Acoustic Characteristics of Roadway Surfaces (PDF 8.02MB)</a>	1987
128.1	<a href="#">Asphalt-Rubber Binder Stress Absorbing Membrane Interlayer: Wheeler I/C to Adams Co. Line, I-90 (PDF 253KB)</a>	1987
127.1	<a href="#">PlusRide Asphalt Pavement, SR-82, Contract 2318, Bridge No. 82/205 et al. (PDF 326KB)</a>	1987
126.1	<a href="#">Changes in Intermodal Transportation in Washington and Impacts on Road Infrastructure (PDF 1.4MB)</a>	1987
125.1	<a href="#">Inexpensive Travel Demand Techniques (PDF 1.25MB)</a>	1987
124.1	<a href="#">Bridge Deck Moisture Measurement: Final Report (PDF 546KB)</a>	1987
123.1	<a href="#">Bridge - Standard Systems (PDF 940KB)</a>	1987
121.2	<a href="#">An Evaluation of the Cost Effectiveness of HOV Lanes: Technical Report (PDF 3.02MB)</a>	1988
121.1	<a href="#">An Evaluation of the Cost Effectiveness of HOV Lanes: Final Report (PDF 902KB)</a>	1987
120.1	<a href="#">The Washington State Transport-Oriented Input-Output Study for 1982 (PDF 1.83MB)</a>	1987
119.1	<a href="#">Concrete Barrier End Treatment-Low Speed (PDF 859KB)</a>	1987
118.1	<a href="#">Riverbed Scour at Bridge Piers: Final Report (PDF 1.38MB)</a>	1987
117.1	<a href="#">Asphalt Concrete Class D, Bridge Deck Overlays: Data and Comment (PDF 7.6MB)</a>	1984
116.1	<a href="#">Asphalt Pavement Distress Investigation: Final Report (PDF 1.82MB)</a>	1979
115.2	<a href="#">Evaluation of Delineation Systems for Temporary Traffic Barriers in Work Zones: Executive Summary (PDF 493KB)</a>	1987
115.1	<a href="#">Evaluation of Delineation Systems for Temporary Traffic Barriers in Work Zones: Final Report (PDF 2.58MB)</a>	1987
114.1	<a href="#">Grays River Bridge at Rosburg, Thin Overlay: Bridge No. 403/7, Post Construction Report (PDF 1.11MB)</a>	1986
113.1	<a href="#">CMA Research in Washington State (PDF 11.51MB)</a>	1984

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112.3	<a href="#">Ferry Systems Data, Scheduling and Billing: Final Report on Automated Vehicle Toll Collection (PDF 942KB)</a>	1988
112.2	<a href="#">Ferry Systems Data, Scheduling and Billing. Scheduling Systems Analysis: Final Report, Research Project Y-3399, Task 11 (PDF 1.42MB)</a>	1987
112.1	<a href="#">Ferry Systems Data, Scheduling and Billing. Data Analysis: Final Report, Research Project Y-3399-11 (PDF 1.12MB)</a>	1987
111.1	<a href="#">National Experimental and Evaluation Program, Washington State's Experience (PDF 438KB)</a>	1987
110.1	<a href="#">Improved Joint Sealant Materials for Concrete Pavements: I-90, Snoqualmie Pass: Post Construction Report, FHWA Experimental Project No. 8 (PDF 438KB)</a>	1987
109.1	<a href="#">Telecommunications Link Implementation: Final Report (PDF 986KB)</a>	1987
108.1	<a href="#">Microcomputer Conversion of Washington State Pavement Management System for Cities and Counties: Final Report (PDF 1.32MB)</a>	1987
107.1	<a href="#">Flexolith Overlay: Experimental Feature WA 84-02, Post Construction Report (PDF 1.85MB)</a>	1987
106.2	<a href="#">Traffic Barrier Systems Service Level 1 (SL-1) Bridge Rail: Final Report, FHWA Demonstration Project No. 64 (PDF 167KB)</a>	1988
106.1	<a href="#">Traffic Barrier Systems Service Level 1 (SL-1) Bridge Rail: Initial Report, FHWA Demonstration Project No. 64 (PDF 432KB)</a>	1987
105.1	<a href="#">Chemical Sealers as Corrosion Inhibitors: Naselle River Bridge 101/24 (PDF 432KB)</a>	1987
104.1	<a href="#">Effectiveness of Darex Corrosion Inhibitor in Preventing Concrete Deterioration: Final Report, Experimental Feature WA 81-01 (PDF 927KB)</a>	1987
103.1	<a href="#">Highway Advisory Radio, I-90, Snoqualmie Pass: Final Report, Experimental Feature WA 77-03 (PDF 213KB)</a>	1987
102.1	<a href="#">Changeable Message Sign, I-5, Vancouver Freeway: Final Report, Experimental Feature WA75-02 (PDF 257KB)</a>	1987
101.1	<a href="#">Snake River Bridge Thin Overlay, Bridge No. 12/915: Post Construction Report, Experimental Project WA 86-02 (PDF 892KB)</a>	1987
100.1	<a href="#">Pricing policy for the Washington State Ferry System (PDF 2.4MB)</a>	1987
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98.2	<a href="#">Hot Mix Recycling Evaluation in Washington: Appendix, Project Evaluations (PDF 1.75MB)</a>	1986
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89.1	<a href="#">Database Management System (PDF 696KB)</a>	1986
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87.2.1	<a href="#">Cathodic Protection Check-Out: SR 24, Yakima River Bridge (PDF 1.6MB)</a>	1986
87.2	<a href="#">Demonstration Project No. 34: Cathodic Protection for Reinforced Concrete Bridge Decks: Yakima River Bridge No. 24/5 (PDF 1.85MB)</a>	1986
87.1.1	<a href="#">Cathodic Protection and Corrosion Monitoring Check - Out: I-405 - SR 522 Interchange, Woodinville, Washington (PDF 1.57MB)</a>	1986
87.1	<a href="#">Demonstration Project No. 34, Cathodic Protection for Reinforced Concrete Bridge Decks, Woodinville Interchange Bridge No. 522/30 ES (PDF 1.23MB)</a>	1986
86.1	<a href="#">Use of Video Data Acquisition for Structural Inspection (PDF 2.01MB)</a>	1986
85.1	<a href="#">Evaluating the Effectiveness of Liquid Anti-Strip Additives in Asphalt Cement (PDF 1.3MB)</a>	1985
84.1	<a href="#">Determination of the Capability of a Side Bearing Block Foundation as a Fixed Support to Resist Overturning (PDF 2.86MB)</a>	1986
83.1	<a href="#">Statewide Highway Data Rationalization Study (PDF 3.28MB)</a>	1986
82.1	<a href="#">Impact on Washington Highways of Grain Transportation Changes (PDF 1.85MB)</a>	1986
81.1	<a href="#">Design of Prestressed Concrete Girders Without End Blocks (PDF 12.67MB)</a>	1986
80.2	<a href="#">A Research Summary Report -- Guidelines for Spring Highway Use Restrictions (PDF 851KB)</a>	1986
80.1	<a href="#">Guidelines for Spring Highway Use Restrictions (PDF 73.34MB)</a>	1985
79.1	<a href="#">Pavement Management System: Demonstration for Washington Counties (PDF 1.6MB)</a>	1986
78.2	<a href="#">Operations and Maintenance Manual: Pavement Test Track Instrumentation System (PDF 3MB)</a>	1985
78.1	<a href="#">Pavement Test Track Instrumentation System Documentation (PDF 840KB)</a>	1985
77.2	<a href="#">Operations and Maintenance Manual, Computerized Pavement Condition Survey Unit (PDF 7.91MB)</a>	1985
77.1	<a href="#">Computerized Pavement Condition Survey Unit (PDF 1.04MB)</a>	1985
76.1	<a href="#">Evaluation of Induction Loop Installation Procedures in Flexible Pavements (PDF 1.91MB)</a>	1985
75.1	<a href="#">Effectiveness of Concrete Bridge Deck Asphalt-Membrane Protection (PDF 14.28MB)</a>	1986
74.1	<a href="#">Preliminary Investigation of Sewage Sludge Utilization in Roadside Development (PDF 2.13MB)</a>	1985
73.1	<a href="#">Bridge Deck Program Development (PDF 3.67MB)</a>	1985
72.3	<a href="#">Suggested Revisions to WSDOT Manuals for Implementing Washington State Highway Runoff Water Quality Research Results (PDF 221KB)</a>	1985
72.2	<a href="#">Washington State Highway Runoff Water Quality Research Implementation Manual. Vol. 2, Basis of Water Quality Criteria (PDF 1.94MB)</a>	1985
72.1	<a href="#">Washington State Highway Runoff Water Quality Research Implementation Manual. Vol. 1, Water Quality Criteria (PDF 877KB)</a>	1985
70.1	<a href="#">Ferry Wake Study (PDF 1.59MB)</a>	1985
69.1	<a href="#">Development of Guidelines for Cuts in Loess Soils (Phase I) (PDF 14.63MB)</a>	1985
68.1	<a href="#">Development of Guidelines for Construction Control of Pile Driving and Estimation of Pile Capacity (Phase I) (PDF 2.86MB)</a>	1985
67.2	<a href="#">A Research Summary Report: The Evaluation of Frost Related Effects on Pavements (PDF 566KB)</a>	1985
67.1	<a href="#">Evaluation of Frost Related Effects on Pavements (PDF 16.67MB)</a>	1985

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66.1	<a href="#">The Feasibility of Light Rail Transit for Spokane (PDF 1.75MB)</a>	1985
65.3	<a href="#">Development and Implementation of Overlay Design Procedure, Interim Report No. 2: Asphalt Concrete Stiffness Temperature Relationships and Pavement Distress Modeling (PDF 4.5MB)</a>	1985
65.2	<a href="#">State of the Art on Pavement Overlay Design Procedures. Vol. II, Annotated Bibliography (PDF 4.76MB)</a>	1983
65.1	<a href="#">State of the Art on Pavement Overlay Design Procedures. Vol. I, State-of-the-Art Review and Research Plan (PDF 3.33MB)</a>	1983
64.1	<a href="#">Effectiveness of Wildlife Warning Reflectors in Reducing Deer-Vehicle Accidents in Washington State (PDF 782KB)</a>	1984
63.1	<a href="#">Telecommunications Link: Traffic Systems Management Center and University of Washington (PDF 1.05MB)</a>	1984
62.1	<a href="#">Feasibility Study of a Pavement Management System for Washington Counties (PDF 2.46MB)</a>	1984
61.1	<a href="#">Performance Evaluation of Waterproofing Membrane Protective Systems for Concrete Bridge Decks (PDF 7.24MB)</a>	1983
60.1	<a href="#">Recreational Vehicle Waste Disposal Stations at Highway Rest Areas (PDF 5.47MB)</a>	1983
59.2	<a href="#">Evaluation of Present Legislation and Regulations on Tire Sizes, Configurations and Load Limits: Executive Summary (PDF 662KB)</a>	1983
59.1	<a href="#">Evaluation of Present Legislation and Regulations on Tire Sizes, Configurations and Load Limits (PDF 4MB)</a>	1983
58.1	<a href="#">An Investigation of Thermal and Live Load Stresses in Denny Creek Viaduct (PDF 5.52MB)</a>	1983
57.2	<a href="#">Transit System Performance Evaluation Methodology for Washington State (PDF 310KB)</a>	1983
57.1	<a href="#">Transit System Performance Evaluation Methodology for Washington State: Final Report (PDF 9.46MB)</a>	1983
56.3	<a href="#">Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: SR 270 Highway Pavement Performance Report (PDF 3.89MB)</a>	1982
56.2	<a href="#">Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: Test Track Pavement Performance Report (PDF 1.19MB)</a>	1982
56.1	<a href="#">Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: Design and Construction Report (PDF 3.14MB)</a>	1981
55.1	<a href="#">Deterioration of Concrete Bridge Decks and Review of the WSDOT Bridge Deck Program (PDF 3.18MB)</a>	1982
54.1	<a href="#">Impacts of Land Use Changes on Major Highway Facilities: Alternative Approaches to Their Mitigation (PDF 2.75MB)</a>	1982
53.3	<a href="#">Sulfur Extended Asphalt Pavement Evaluation (PDF 276KB)</a>	1982
53.2	<a href="#">Sulfur Extended Asphalt Laboratory Investigation--Mixture Characterization (PDF 11.96MB)</a>	1982
53.1	<a href="#">Sulfur Extended Asphalt Availability of Sulfur (PDF 1.7MB)</a>	1982
52.1	<a href="#">Public Information Dissemination in the State of Washington (PDF 2.55MB)</a>	1982
51.1	<a href="#">Transit System Performance Evaluation Methodology: An Interim Draft Report (PDF 2.53MB)</a>	1982
50.3	<a href="#">Development and Implementation of Washington State's Pavement Management System: Executive Summary (PDF 399KB)</a>	1983

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50.2	<a href="#">Development and Implementation of Washington State's Pavement Management System - Summary (PDF 1.25MB)</a>	1982
50.1	<a href="#">Development and Implementation of Washington State's Pavement Management System (PDF 6.41MB)</a>	1982
49.1	<a href="#">Changes in Recreational Travel in Washington State (PDF 1.6MB)</a>	1982
48.1	<a href="#">Small Car Accident Experience in Washington State (PDF 891KB)</a>	1982
47.1A	<a href="#">Transportation Problems Associated with Uneven Growth Rates in Separate Jurisdictions: A Case Study in Portland and Vancouver (PDF 8.75MB)</a>	1982
47.1	<a href="#">Transportation Problems Associated with Uneven Growth Rates: A Case Study in Portland and Vancouver (PDF 9.06MB)</a>	1982
46.1	<a href="#">Permanent Lane Marking (Recessed Lane Edge Stripe) (PDF 1.07MB)</a>	1981
45.2	<a href="#">Impacts of Truck and Railroad Deregulation on Transportation Operations and Economic Activity in the State of Washington - Final Report (PDF 1.62MB)</a>	1982
45.1	<a href="#">Impacts of Truck and Railroad Deregulation on Transportation Operations and Economic Activity in the State of Washington - Phase I, Report (PDF 1.97MB)</a>	1981
44.5	<a href="#">Evergreen Point Bridge Maintenance Problems, (Fourth Annual Report) (PDF 1.76MB)</a>	1978
44.4	<a href="#">Evergreen Point Bridge Maintenance Problems, (Third Annual Report) (PDF 731KB)</a>	1977
44.3	<a href="#">Evergreen Point Bridge Maintenance Problems, (Second Annual Report) (PDF 2.68MB)</a>	1976
44.2	<a href="#">Evergreen Point Bridge Maintenance Problems, (First Annual Report) (PDF 1.14MB)</a>	1975
44.1	<a href="#">Evergreen Point Bridge Maintenance Problems (PDF 691KB)</a>	1980
43.2	<a href="#">An Analysis of the Socio-Economic Characteristics of the Study Area for a Study of the Allocation of Transportation Resources (PDF 1.7MB)</a>	1982
43.1	<a href="#">A Study of the Allocation of Transportation Resources Through the Evaluation of the Effectiveness of Transportation Services (PDF 1.52MB)</a>	1982
42.3	<a href="#">Response of Washington State Residents to Changing Transportation Conditions (PDF 2.96MB)</a>	1984
42.2	<a href="#">Response of Washington State Residents to Higher Transportation Costs and Energy Shortages (PDF 2.45MB)</a>	1981
41.1	<a href="#">Biodegradable Containers for Use in Revegetation of Highway Right-of-Way (PDF 507KB)</a>	1981
40.1	<a href="#">Load Restriction Determination Study (PDF 717KB)</a>	1980
39.16	<a href="#">Summary -- Highway Runoff Water Quality Study, 1977-1982 (PDF 5.77MB)</a>	1982
39.15	<a href="#">Impacts of Channel Reconstruction in the Pilchuck River (PDF 630KB)</a>	1982
39.14	<a href="#">Guide for Water Quality Impact Assessment of Highway Operations and Maintenance (PDF 2.75MB)</a>	1982
39.13	<a href="#">Year 4, Runoff Water Quality, August 1980-August 1981 (PDF 499KB)</a>	1981
39.12.1	<a href="#">Assessment of Pollutant Loadings and Concentrations in Highway Stormwater Runoff (PDF 956KB)</a>	1983
39.12	<a href="#">Highway Runoff in Washington State: Model Validation and Statistical Analysis (PDF 1.2MB)</a>	1982
39.11	<a href="#">Effects of Seattle Area Highway Stormwater Runoff on Aquatic Biota (PDF 1.12MB)</a>	1982
39.10	<a href="#">Transport Deposition and Control of Heavy Metals in Highway Runoff (PDF 776KB)</a>	1979
39.9	<a href="#">A Survey of Trace Organics in Highway Runoff in Seattle, Washington (PDF 834KB)</a>	1980
39.8	<a href="#">Views of Risk and Highway Transportation of Hazardous Materials - A Case Study in Gasoline (PDF 1.18MB)</a>	1981
39.7	<a href="#">Year 3 - Runoff Water Quality, August 1979 - August 1980 (PDF 423KB)</a>	1981

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39.6	<a href="#">Characterization of Highway Runoff in Washington State (PDF 857KB)</a>	1980
39.5	<a href="#">Criteria and Requirements for Statewide Highway Runoff Monitoring Sites (PDF 793KB)</a>	1979
39.4	<a href="#">Composite Sampling of Highway Runoff: Year 2 (PDF 475KB)</a>	1979
39.3	<a href="#">Highway Runoff Monitoring: The Initial Year (PDF 1.59MB)</a>	1978
39.2	<a href="#">Effects of Velocity and Nutrient Alterations on Stream Primary Producers and Associated Organisms (PDF 1.58MB)</a>	1978
39.1	<a href="#">Water Quality Impacts Associated with Leachates from Highway Woodwastes Embankments (PDF 761KB)</a>	1980
38.1	<a href="#">Monitoring by Aerial and Terrestrial Photogrammetry (PDF 1.93MB)</a>	1979
37.1	<a href="#">Impact of Highway Improvements on Property Values in Washington (PDF 5.24MB)</a>	1980
36.1	<a href="#">Pavement Testing and Analysis of Heavy Hauls for SR 12 (PDF 1.75MB)</a>	1979
35.1	<a href="#">Use of Volume Data to Reproduce Ramp-to-Ramp Freeway Trip Patterns - A Pilot Study (PDF 389KB)</a>	1979
34.1	<a href="#">Chemical Weed Control in Roadside Vegetation on Highway Right-of-Way (PDF 3.11MB)</a>	1977
33.1	<a href="#">Ground Plane Wind Shear Interaction on Acoustic Transmission (PDF 1.87MB)</a>	1978
32.1	<a href="#">"Subsurface Infiltration System" for Tree Irrigation (PDF 940KB)</a>	1977
31.1	<a href="#">Photogrammetric Monitoring of a Gabion Wall (PDF 1.59MB)</a>	1977
29.1	<a href="#">Native Vegetation Development, Final Report (1972-1977) (PDF 578KB)</a>	1977
28.1	<a href="#">Evaluation of Origin-Destination Data for an External Cordon Line Survey (PDF 1.03MB)</a>	1975
27.1	<a href="#">A Study of Wastewater Handling, Holding, and Disposal from Washington State Ferries (PDF 2.32MB)</a>	1977
26.1	<a href="#">Tire Traction Testing of Highway, Snow &amp; Studded Tires on Wet &amp; Dry Pavement Surfaces (PDF 3.17MB)</a>	1973
25.6	<a href="#">Guidelines for Identification and Analysis of Social Factors in Transportation Planning (PDF 5MB)</a>	1976
25.5	<a href="#">Guidelines for Team Scheduling and Management (PDF 985KB)</a>	1975
25.4	<a href="#">Guidelines for the Operation of Interdisciplinary Teams (PDF 2.03MB)</a>	1975
25.3	<a href="#">Guidelines for Conducting Surveys Concerning Transportation (PDF 1.83MB)</a>	1975
25.2	<a href="#">Guidelines for the Identification and Measurement of Social Factors in Transportation Planning (PDF 972KB)</a>	1975
25.1	<a href="#">Guidelines for the Development and Implementation of Community Involvement Programs (PDF 1.87MB)</a>	1975
25.0	<a href="#">Social Factors in Transportation Planning: Executive Summary (PDF 238KB)</a>	1976
24.5	<a href="#">Field Evaluation of Single Barriers (PDF 4MB)</a>	1978
24.4	<a href="#">Vehicle Noise Radiation, Effective Height and Frequency Measurements (PDF 928KB)</a>	1976
24.3	<a href="#">Noise Barrier Screen Measurements, Double Barriers (PDF 3.3MB)</a>	1976
24.2	<a href="#">Attenuation of Sound as a Function of Barrier Angle (PDF 533KB)</a>	1976
24.1	<a href="#">Noise Barrier Screen Measurements, Single Barriers (PDF 1.85MB)</a>	1975
23.4	<a href="#">Central Avalanche Hazard Forecasting: Summary of Scientific Investigations (PDF 5.38MB)</a>	1978
23.3	<a href="#">Central Avalanche Hazard Forecasting: Final Report (PDF 3.44MB)</a>	1977
23.2	<a href="#">Central Avalanche Hazard Forecasting: Interim Report (PDF 2.28MB)</a>	1976
23.1A	<a href="#">Central Avalanche Hazard Forecasting: Operating Manual: Methods and Equipment Developed During the Project (PDF 12.67MB)</a>	1978

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23.1	<a href="#">Central Avalanche Hazard Forecasting, Phase I: A Feasibility Study (Fiscal Year 1975): Final Report (PDF 1.66MB)</a>	1975
22.1	<a href="#">Test Track Evaluation of Patching Materials - Final Report (PDF 2.76MB)</a>	1975
20.1	<a href="#">Investigation of Bridge Deck Deterioration Caused by De-Icing Chemicals (PDF 774KB)</a>	1975
19.3	<a href="#">Alternate Methods of Avalanche Control - Final Report (PDF 1.23MB)</a>	1978
19.2	<a href="#">Alternate Methods of Avalanche Control - Interim Report (PDF 2.43MB)</a>	1976
19.1	<a href="#">Alternate Methods of Avalanche Control - Interim Report (PDF 4.1MB)</a>	1975
17.2	<a href="#">Mechanistic Behavior of Pavement Systems (PDF 4.93MB)</a>	1976
17.1	<a href="#">Pavement Response and Equivalencies for Various Truck Axle-Tire Configurations (PDF 3.22MB)</a>	1974
16.1	<a href="#">Cooperative Photogrammetric Study (PDF 3.1MB)</a>	1974
15.6	<a href="#">Pavement Research at the Washington State University Test Track. Volume 6, The Application of the WSU Test Track Data to Flexible Pavement Design (PDF 2.13MB)</a>	1973
15.5	<a href="#">Pavement Research at the Washington State University Test Track. Volume 5, Evaluation and Analysis of Results from Experimental Rings No. 1-4 (PDF 2.96MB)</a>	1971
15.4	<a href="#">Pavement Research at the Washington State University Test Track. Volume 4, Experimental Ring No. 4: A Study of Untreated, Sand Asphalt, and Asphalt Concrete Bases (PDF 5.71MB)</a>	1970
15.3	<a href="#">Pavement Research at the Washington State University Test Track. Volume Three, Experimental Ring No. 3: A Study of Untreated, Emulsion Treated, and Asphaltic-Cement Treated Bases (PDF 15.1MB)</a>	1969
15.2	<a href="#">Pavement Research at the Washington State University Test Track. Volume Two, Experimental Ring No. 2: A Study of Untreated, Emulsion Treated, and Asphaltic-Cement Treated Bases (PDF 16.34MB)</a>	1968
15.1	<a href="#">Pavement Research at the Washington State University Test Track. Volume One, Experimental Ring No. 1: A Study of Cement Treated and Asphaltic Treated Bases (PDF 4.33MB)</a>	1967
14.2	<a href="#">Vegetative Cover for Highway Rights-Of-Way: Final Report (1970-1976) (PDF 1.47MB)</a>	1976
13.1A	<a href="#">Attenuation of Random Deep Water Waves by a Porous Walled Breakwater: Appendices (PDF 1.27MB)</a>	1973
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9.3A	<a href="#">The Effect of Studded Tires on Traffic Striping Paints: Phase II, Interim Report (PDF 235KB)</a>	1973
9.3	<a href="#">Studded Tire Pavement Wear Reduction and Repair: Phase III (PDF 5.78MB)</a>	1973

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9.2A	<a href="#">Stud Tire Effects on Pavement Overlays (PDF 647KB)</a>	1973
9.2	<a href="#">Studded Tire Pavement Wear Reduction and Repair: Phase II (PDF 4.72MB)</a>	1973
9.1A	<a href="#">Experimental Ring No. 5: The Effect of Studded Tires on Different Pavement Materials and Surface Textures: Interim Report #1 (PDF 1.29MB)</a>	1972
9.1	<a href="#">Studded Tire Pavement Wear Reduction and Repair: Phase I (PDF 7.43MB)</a>	1972
8.8	<a href="#">Cascade Passes Avalanche Atlas. Part 2, Stevens Pass and Tumwater Canyon (PDF 6.21MB)</a>	1975
8.7	<a href="#">Cascade Passes Avalanche Atlas. Part 1, Chinook, Cayuse, White and Snoqualmie Passes (PDF 5.98MB)</a>	1974
8.6	<a href="#">Methods of Avalanche Control on Washington Mountain Highways (PDF 754KB)</a>	1974
8.5	<a href="#">Methods of Avalanche Control on Washington Mountain Highways: Interim Report (Fourth Annual Report) (PDF 1.71MB)</a>	1974
8.4	<a href="#">Methods of Avalanche Control on Washington Mountain Highways, Third Annual Report (PDF 4.21MB)</a>	1973
8.3	<a href="#">Avalanche Studies (1971-1972) (PDF 2.45MB)</a>	1972
8.2	<a href="#">North Cascades Highway SR-20 Avalanche Atlas (PDF 9.46MB)</a>	1971
8.1	<a href="#">Avalanches on the North Cascades Highway (SR-20) (PDF 1.25MB)</a>	1971
7.1	<a href="#">Character and Significance of Highway Runoff Waters: A Preliminary Appraisal (PDF 2MB)</a>	1972
6.1	<a href="#">Resilient Behavior of Asphalt Treated Base Course Materials (PDF 7.08MB)</a>	1972
5.2	<a href="#">Tire Noise Properties of Two Resurfacing Materials Used on Highway Bridges for Repair of Wear (PDF 2.76MB)</a>	1972
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4.1	<a href="#">Evergreen Point Bridge Toll Booth Ventilation Study (PDF 806KB)</a>	1972
3.5	<a href="#">Pavement Deflection Measurement - Dynamic Phase IV: Final Report (PDF 2.53MB)</a>	1975
3.4A	<a href="#">Pavement Deflection Measurement - Dynamic, Phase II, Section II (Vehicle): Final Report (PDF 1.44MB)</a>	1972
3.4	<a href="#">Pavement Deflection Measurement - Dynamic, Phase III, Section II, (Vehicle) (PDF 1.54MB)</a>	1972
3.3	<a href="#">Pavement Deflection Measurement - Dynamic, Phase III, WSU Impulse Index Computer, Section I, (Suitcase) (PDF 520KB)</a>	1972
3.2	<a href="#">Pavement Deflection Measurement - Dynamic, Phase II (PDF 855KB)</a>	1971
3.1	<a href="#">Pavement Deflection Measurement - Dynamic: A Feasibility Study (PDF 913KB)</a>	1970
2.1A	<a href="#">Guidelines for Joint Development on State Highway Transportation Ways, Interstate 5 Test Cases (Supplement) (PDF 4.19MB)</a>	1972
2.1	<a href="#">Guidelines for Joint Development on State Highway Transportation Ways (PDF 9.82MB)</a>	1972