

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 linked to a full text PDF of the report, the report title and year published. WA-RD reports are also available in the [Washington State Library catalog](#).

Last updated: 10/22/21

Report #	Report Title	Year
900.1	Advancing Multimodal Safety by Reducing Pedestrian Crash Potential (PDF 3.8MB)	2020
899.1	Ferry Vessel Propeller Wash Effects on Scour at the Kingston Ferry Terminal (WA, USA) (PDF 4.79MB)	2019
898.1	Linear Scheduling Evaluation and Best Practices Development: Phase I Report (PDF 4.58MB)	2019
897.1	Creating a Knowledge Book for WSDOT: Lessons and Future Directions (PDF 2.03MB)	2019
896.6	WSDOT Manual Modernization, Vol. 1: Scoping (PDF 3.4MB)	2019
896.5	Words Matter: Managing Vocabulary Resources to Support Productivity (PDF 1.89MB)	2018
896.4	Enterprise Information Architecture: An Overview (PDF 2.15MB)	2017
896.3	Improving Information Management for Practical Solutions at WSDOT (WA, USA) (PDF 2.51MB)	2018
896.2	Resource Models for Practical Solutions at WSDOT (PDF 2.66MB)	2016
896.1	Improving Knowledge and Information Management for Practical Solutions at WSDOT: Executive Summary (PDF 1.67MB)	2018
895.3	Strengthening a Learning Culture for Practical Solutions (PDF 1.64MB)	2017
895.2	Institutionalizing New Practices Using Lean Methodologies (PDF 4.22MB)	2019
895.1	Accelerated Innovation Deployment (AID) Demonstration Project: Deploying Practical Solutions Using Lean Techniques and Knowledge Management (PDF 1.82MB)	2019
894.1	WSF Triangle Route: Analysis of Alternative Concepts of Operations (PDF 2.06MB)	2019
893.1	Bridge Element Deterioration of Concrete Substructures (PDF 2.37MB)	2018
892.1	Promises of Data from Emerging Technologies for Transportation Applications: Puget Sound Region Case Study (PDF 7.48MB)	2018
891.1	Anthropogenic Sound and Fishes (PDF 3.47MB)	2019
890.1R	Field Analysis of Wood Guardrail Post Decay (PDF 2.43MB)	2019
888.1	QUEWZ Work Zone Software: Literature Search and Methodology Review (PDF 1.74MB)	2019
887.1	Review of Hot Bituminous Surface Treatments in Washington State (PDF 25.4MB)	2019
886.1	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)	2018
885.1	Understanding Opportunities with Connected Vehicles in the Smart Cities Context (2.63MB)	2019
884.1	WSDOT Foundation and Fill Settlement Case Histories (PDF 15.64MB)	2018
883.1	Bio-Based Renewable Additives for Anti-Icing Applications (Phase II) (PDF 2.3MB)	2018
882.1	Safe from Crime at Location-Specific Transit Facilities: Final Project Report (PDF 1.52MB)	2018

881.1	Evaluation of New Rumble Strip Designs to Reduce Roadside Noise and Promote Safety (PDF 3.94)	2018
880.1	Evaluate Risk-Based Asset Management Systems (AMS): BrM Implementation Strategy (PDF 5.56KB)	2018
879.1	Research Management Database Business Analysis, TPF-5(181) (PDF 1.52MB)	2018
878.1	Coordinated Traffic Incident and Congestion Management (TIM-CM): Mitigating Regional Impacts of Major Traffic Incidents in the Seattle I-5 Corridor (PDF 840.7KB)	2018
877.1	Improved Methodology for Benefit Estimation of Preservation Projects (PDF 4.11MB)	2018
876.1	Low Vertical Clearance Truss Bridges: Risk Assessment and Retrofit Mitigation Study (PDF 78.6MB)	2017
875.3	Spatial Analysis of Bicycle Count Data: Final Project Report (PDF 1.81MB)	2017
875.2	Optimizing Short Duration Bicycle and Pedestrian Counting in Washington State (PDF 4.37MB)	2017
875.1	Collecting Network-wide Bicycle and Pedestrian Data: A Guidebook for When and Where to Count (PDF 10.8MB)	2017
874.2	Design Procedure for Bridge Foundations Subject to Liquefaction-Induced Lateral Spreading (PDF 1.66MB)	2017
874.1	Numerical Evaluation of Forces on Piled Bridge Foundations in Laterally Spreading Soil (PDF 19.5MB)	2017
873.2	Implementing the Routine Computation and Use of Roadway Performance Measures within WSDOT - Appendix A: TRACFLOW Migration: Architecture and Implementation (PDF 1.58MB)	2017
873.1	Implementing the Routine Computation and Use of Roadway Performance Measures within WSDOT (PDF 1.12MB)	2017
872.2	Stormwater Infiltration in Highway Embankments -- Saturated Hydraulic Conductivity Estimation for Natural Low Plasticity Silts (PDF 5.18MB)	2018
872.1	Stormwater Infiltration in Highway Embankments -- Saturated Hydraulic Conductivity Estimation for Uncompacted and Compacted Soils (PDF 17.3MB)	2017
871.2	Preventive Maintenance Study - Final Report (PDF 28.26MB)	2018
871.1	Preventive Maintenance Study -- Interim Report (PDF 22.5MB)	2017
870.1	Best Practices of Using Shotcrete for Wall Fascia and Slope Stabilization (Phase I Study) (PDF 5.58MB)	2017
869.2	Investigation of Ultra-High Performance Concrete for Longitudinal Joints in Deck Bulb Tee Bridge Girders (PDF 22.8MB)	2017
869.1	Developing Connections for Longitudinal Joints between Deck Bulb Tees -- Development of UHPC Mixes with Local Materials (PDF 4.82MB)	2016
868.2	Preliminary Procedure for Structural Design of Pervious Concrete Pavements (PDF 2.8MB)	2017
868.1	Preliminary Study to Develop Standard Acceptance Tests for Pervious Concrete (PDF 1.87MB)	2017
867.1	Developing Extended Strands in Girder-Cap Beam Connections for Positive Moment Resistance (PDF 8.07MB)	2017
866.1	Cationic Very Rapid Setting Polymer Modified Chip Seal Emulsion (PDF 9.0MB)	2017
865.1	Liquefaction-Induced Downdrag on Drilled Shafts (PDF 6.11MB)	2017
863.1	Use of Electronic Fare Transaction Data for Corridor Planning (PDF 1.53MB)	2017
862.2	Safe Main Street Highways Part II: Analyses of Collisions Involving Pedestrians and Bicyclists in Washington State (PDF 2.88MB)	2017

862.1	Safe Main Street Highways Part I: Washington State Collision Data and Geocoding (PDF 2.43MB)	2017
861.2	Measurements of Pile Driving Noise from Control Piles and Noise-Reduced Piles at the Vashon Island Ferry Dock (PDF 2.53MB)	2017
861.1	Underwater Noise Reduction of Marine Pile Driving Using a Double Pile: Vashon Ferry Terminal Test (PDF 1.59MB)	2016
860.1	Recommendations for Extending Asphalt Pavement Life within Washington State (PDF 5.22MB)	2016
859.1	Assessment of Lube Oil Management and Self-Cleaning Oil Filter Feasibility in WSF Vessels - Final Report (PDF 1.01MB)	2016
858.1	Investigation of Premature Strip Seal Joint Failures and Recommendations for Assuring Proper Strip Seal Joint Installation: Bridge 5/104W (PDF 5.33MB)	2015
857.1	Urban and Suburban Arterial Safety Performance Functions: Final Report (PDF 5.19MB)	2016
856.1	Two-Lane Rural Highways Safety Performance Functions (PDF 4.62MB)	2016
855.1	Evaluation of the Safety Performance of Continuous Mainline Roadway Lighting on Freeway Segments in Washington State (PDF 1.04MB)	2016
854.1	Digital Roadway Interactive Visualization and Evaluation Network Applications to WSDOT Operational Data Usage (PDF 4.83MB)	2016
853.1	Wheat Supply Chain Data Collection (PDF 2.18MB)	2016
852.2	Pervious Concrete Parking Strips - Final Report (PDF 4.07MB)	2019
852.1	Pervious Concrete Parking Strips (PDF 3.73MB)	2016
851.1	Kwik Bond Polymers® High Friction Surface Treatment (PDF 3.04MB)	2015
850.1	Food Distribution Supply Chain Data Collection: Supply Chain Firm Interviews and Truck Counts (PDF 1.03MB)	2016
849.1	Underwater Noise Reduction of Marine Pile Driving Using a Double Pile (PDF 5.33MB)	2015
848.1	Experimental Evaluation of Compost Leachates (PDF 3.08MB)	2015
847.1	Study on Illumination for State Highways (PDF 2.90MB)	2016
846.1	Evaluation of the Effects of Changing to Continuous Access HOT Lanes on SR 167 (PDF 5.74MB)	2016
845.1	Evaluation of Performance Based Concrete for Bridge Decks (PDF 22MB)	2015
844.1	Developing a System for Computing and Reporting MAP-21 and Other Freight Performance Measures (PDF 2.03MB)	2015
843.1	Identification of Test Methods for Determining Wood Guardrail Post Integrity (PDF 1.86MB)	2015
842.1	Washington State Short Line Rail Inventory and Needs Assessment (PDF 11.48MB)	2015
841.1	Chip Seal Performance Measures--Best Practices (PDF 2.54MB)	2015
840.3	Project Inspection Using Mobile Technology--Phase III: Workflow Identification Research (PDF 4.23MB)	2016
840.2	Project Inspection Using Mobile Technology--Phase II: Assessing the impacts of mobile technology on project inspection (PDF 3.29MB)	2015
840.1	Project Inspection Using Mobile Technology--Phase I: An investigation into existing business processes and areas for improvement using mobile technology (PDF 726.69KB)	2013
839.1	Ground Penetrating Radar Evaluation of New Pavement Density (PDF 2.22MB)	2015
838.1	Determining Changes in Greenhouse Gas Emissions (1990-2010) due to Pavement Technology (PDF 1.18MB)	2015
837.1	WSDOT Chip Seals - Optimal Timing, Design, and Construction Considerations (PDF 1.07MB)	2014

836.1	Truck Freight Commodity Flows: US 395 North of Spokane Washington (PDF 2.51MB)	2014
832.1	Travel Costs Associated with Flood Closures of State Highways near Centralia/Chehalis, Washington (PDF 773MB)	2014
831.1	Effects of Extended Discharge Time and Revolution Counts for Ready-mixed Concrete (PDF 3.09MB)	2014
830.1	How Can We Maximize Efficiency and Increase Person Occupancy at Overcrowded Park and Rides? (PDF 2.9MB)	2014
829.1	Effects of Natural Gas Vehicles and Fuel Prices on Key Transportation Economic Metrics (PDF 4MB)	2014
828.1	Methods for Estimating Bicycling and Walking in Washington State (PDF 1.73MB)	2014
827.1	Performance-Based Design Factors for Pile Foundations (PDF 4.9MB)	2014
826.1	Evaluation of Recycled Concrete as Aggregate in New Concrete Pavements (PDF 1.07MB)	2014
825.1	Freight Commodity Flows: Selected Washington State Highways (PDF 1.25MB)	2014
824.1	WSDOT Building Asset Management -- An Exploratory Case Study: Impact of Failures at the Corson Avenue TEF Shop on WSDOT Services (PDF 1.38MB)	2013
823.1	I-90 Demonstration Project: Long-Term Performance of Tiebacks Installed in Glacially Overridden Clays (PDF 12.5MB)	2020
822.1	Media Filter Drain: Modified Design Evaluation and Existing Design Longevity Evaluation (PDF 1.05MB)	2014
821.2	Investigation of Flow and Local Scour Characteristics around Permeable WSDOT Dolotimber Engineered Logjams (ELJ) (PDF 14MB)	2018
821.1	Prediction of Scour Depth in Gravel Bed Rivers Using Radio Frequency IDs: Application to the Skagit River (PDF 2.49MB)	2013
820.1	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)	2013
819.1	Chemical and Physical Characteristics of Compost Leachates - A Review (PDF 3.24MB)	2013
817.1	Summary Report on the Performance of Open-Graded Friction Course Quieter Pavements: I-5 Lynnwood, SR-520 Medina, I-405 Bellevue (PDF 0.97MB)	2013
816.4	Mechanisms Involved in the Removal of Heavy Metals from Stormwater via Lignocellulosic Filtration Media (PDF 1.92MB)	2018
816.3	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)	2016
816.2	Sustainable Design Guidelines to Support the Washington State Ferries Terminal Design Manual: Design Guideline Application and Refinement (PDF 113.91MB)	2013
816.1	Sustainable Design Guidelines to Support the Washington State Ferries Terminal Design Manual: Stormwater and Material Issues (PDF 1.43MB)	2011
815.1	Development of a Freight Benefit/Cost Methodology for Project Planning (PDF 1.26MB)	2013
814.1	Concrete Pavement Noise (PDF 1.32MB)	2013
813.1	Fatigue and Strength Tests of Heat-Straightened Ferry Loading Bridge Hanger Bars (PDF 2.68MB)	2013
812.1	Cable Median Barrier Program in Washington State (PDF 7.8)	2013
811.2	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)	2013

811.1	Determining the Cost/Benefit of Routine Maintenance Cleaning of Steel Bridges to Prevent Structural Deterioration (PDF 1.23MB)	2013
810.1	Error Assessment for Emerging Traffic Data Collection Devices (PDF 4.97MB)	2014
809.1	Safety and Operations Assessment of Various Left-turn Phasing Strategies (PDF 2MB)	2018
808.1	Guidelines for Prioritization of Future Active Traffic Management Deployment (PDF 668.50KB)	2014
807.1	Road Usage Charge Pilot Project Final Evaluation Report for Washington State Participants (PDF 0.78MB)	2013
806.3	Tools for Estimating VMT Reductions from Built Environment Changes (PDF 555KB)	2013
806.2	Sidewalk Data in King County's Urban Growth Boundary (PDF 2.31MB)	2013
806.1	A Framework for Monitoring the Performance of Travel Demand Management and Vehicle Miles Traveled (VMT) Reduction Activities (PDF 1.67MB)	2013
805.1	Land Development Risks Along State Transportation Corridors (PDF 2.61MB)	2013
804.1	Characterizing the Load Environment of Washington State Ferry and Alaska Marine Highway Ferry Landings (PDF 6.88MB)	2013
803.1	Baseline Wildlife Monitoring at I-90 Snoqualmie Pass East, Prior to the Installation of Wildlife Crossing Structures (PDF 10.93MB)	2012
802.1	Structural Design Parameters of Current WSDOT Mixtures (PDF 2.37MB)	2013
801.1	Plug-In Electric Vehicle Action Tool (PDF 0.96MB)	2013
800.1	WSDOT Pavement Preservation Guide for Local Agencies (PDF 1.68MB)	2012
799.1	Performance Analysis of Centerline and Shoulder Rumble Strips Installed in Combination in Washington State (PDF 2.3MB)	2013
798.2	Pavement Edge Treatment - Final Report (PDF 4.58MB)	2018
798.1	Pavement Edge Treatment (PDF 2.22MB)	2013
797.2	Polyester Polymer Concrete Overlay Final Report (PDF 7.51MB)	2019
797.1	Polyester Polymer Concrete Overlay (PDF 3.23MB)	2013
796.1	Identification and Laboratory Assessment of Best Practices to Protect DOT Equipment from the Corrosive Effect of Chemical Deicers (PDF 5MB)	2013
795.1	Glass Fiber Reinforced Polymer Dowel Bar Evaluation (PDF 2.56MB)	2012
794.1	Congestion Survey (PDF 0.28MB)	2013
793.1	Compost-Amended Biofiltration Swale Evaluation (PDF 1.95MB)	2011
792.1	Improving Statewide Freight Routing Capabilities for Sub-National Commodity Flows (PDF 3.59MB)	2012
791.1	Earthquake Ground Motion Selection (PDF 2.26MB)	2012
790.1	Concrete Performance Using Low-Degradation Aggregates (PDF 1.57MB)	2012
789.1	Evaluation of the Performance of Warm Mix Asphalt in Washington State (PDF 2.65MB)	2012
788.2	Evaluation of Tyregrip High-Friction Surfacing - Final Report (PDF 1.66MB)	2017
788.1	Evaluation of Tyregrip® High-Friction Surfacing (PDF 0.42MB)	2012
787.1	Design Guidelines for Horizontal Drains used for Slope Stabilization (PDF 17.8MB)	2013
786.1	Fish Abundance, Habitat, and Habitat Use at Two Stabilized Banks in the Hoh River, Washington: Preliminary Data to Evaluate the Influence of Engineered Logjams (PDF 4.52MB)	2012
785.1	Expansion Joint Noise Reduction Project on the New Tacoma Narrows Bridge (PDF 1.25MB)	2011
783.1	Defining the Washington State Truck Intermodal Network (PDF 1.6MB)	2011
782.1	Error Modeling and Analysis for Travel Time Data Obtained from Bluetooth MAC Address Matching (PDF 3.19MB)	2011

781.1	An Investigation of Underwater Sound Propagation from Pile Driving (PDF 1.09MB)	2011
780.1	Washington's Complete Streets & Main Street Highways Program: Case Studies and Practice Resource (PDF 3.61MB)	2011
779.1	Use of the 1993 AASHTO Guide, MEPDG and Historical Performance to Update the WSDOT Pavement Design Catalog (PDF 1.55KB)	2011
778.1	LiDAR for Data Efficiency (PDF 4.11MB)	2011
777.1	Permeability of Existing Structures for Terrestrial Wildlife: Developing a Passage Assessment System (PDF 8.7MB)	2011
776.2	Shear Design Expressions for Concrete Filled Steel Tube and Reinforced Concrete Filled Tube Components (PDF 5.98MB)	2016
776.1	Initial Investigation of Reinforced Concrete Filled Tubes for Use in Bridge Foundations (PDF 2.74MB)	2012
774.1	Sustainable Roadside Design and Management for Urban Freeways in Western Washington (PDF 6.16MB)	2011
773.1	Impact of Drilled Shaft Synthetic Slurries on Groundwater Quality (PDF 10.03MB)	2011
772.1	Climate Change Impact Assessment for Surface Transportation in the Pacific Northwest and Alaska (PDF 8.49MB)	2012
771.1	Eastern Washington Steep Slope Research for Management of Highway Stormwater (PDF 7.98MB)	2011
770.1	Infrared Thermal Integrity Testing: Quality Assurance Test Method to Detect Drilled Shaft Defects (PDF 13.17MB)	2011
768.1	Performance Analysis of Centerline Rumble Strips in Washington State (PDF 2.57MB)	2011
767.2	Evaluation of Long-Term Pavement Performance and Noise Characteristics of the Next Generation Concrete Surface (PDF 1.04MB)	2014
767.1	Evaluation of Long-Term Pavement Performance and Noise Characteristics of the Next Generation Concrete Surface (1.14MB)	2011
765.1	An Assessment of Urban Form And Pedestrian and Transit Improvements As An Integrated GHG Reduction Strategy (PDF 5.92MB)	2011
764.1	Summary of SPTC Pooled-Fund Study for Sharing and Evaluation of CalME Flexible Pavement Design Software (PDF 402.17KB)	2010
763.1	Review of the Growth and Transportation Efficiency Center Program, with Recommendations for Increasing Benefits to Suburban Cities (PDF 1.17MB)	2011
762.1	Experimental Evaluation of P-Y Curves Considering Liquefaction Development (PDF 10.11MB)	2010
761.1	Incident Response Evaluation Phase 3 (PDF 2.45MB)	2011
760.2	Use of a Double Chip Seal to Correct a Flushing Hot Mix Asphalt Pavement in Washington State - Final Report (PDF 1.58MB)	2016
760.1	Use of a Double Chip Seal to Correct a Flushing Hot Mix Asphalt Pavement in Washington State (PDF 1.65MB)	2011
759.1	Investigating Longevity of Corrosion Inhibitors and Performance of Deicer Products Under Storage or After Pavement Application (PDF 9.76MB)	2011
758.1	Quantifying Incident-Induced Travel Delays on Freeways Using Traffic Sensor Data: Phase II (PDF 1.69MB)	2011
757.1	Triage Evaluation of Gusset Plates in Steel Truss Bridges (PDF 3.17MB)	2010
756.1	Barriers to Implementing Low Impact Development Approaches in Washington State Roadways and Highways (PDF 1.73MB)	2010
755.1	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)	2010

754.1	Organizational Network Analysis for Two Networks in the Washington State Department of Transportation (PDF 5.03MB)	2010
753.1	Seismic Retrofit of Cruciform-Shaped Columns in the Aurora Avenue Bridge Using FRP Wrapping (PDF 16.98MB)	2010
752.1	Identifying High Risk Locations of Animal-Vehicle Collisions on Washington State Highways (PDF 2.15MB)	2010
751.1	Impacts of VMT Reduction Strategies on Selected Areas and Groups (PDF 2.58MB)	2010
750.2	2015 Comparison of Operational Performance: Washington State Ferries to Ferry Operators Worldwide (PDF 2.05MB)	2015
750.1	A Comparison of Operational Performance: Washington State Ferries to Ferry Operators Worldwide (PDF 2.43MB)	2010
749.2	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses Project 3 - Final Report (PDF 2.03MB)	2013
749.1	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses - Project 3: Post-Construction and Performance Report (PDF 4.46MB)	2010
748.1	Developing a GPS-Based Truck Freight Performance Measure Platform (PDF 4.62MB)	2010
747.1	Mitigation Strategies for Early-Age Shrinkage Cracking in Bridge Decks (PDF 1.47MB)	2010
746.1	Incorporating Assumptions for TDM Impacts in a Regional Travel Demand Model (PDF 2MB)	2010
745.1	Materials Risk Analysis (PDF 760KB)	2010
744.5	Effects of Loop Detector Installation on the Portland Cement Concrete Pavement Lifespan: Case Study on I-5 (PDF 1.95MB)	2010
744.4	Life Cycle Assessment of Portland Cement Concrete Interstate Highway Rehabilitation and Replacement (PDF 1.21MB)	2010
744.3	Studded Tire Wear on Portland Cement Concrete Pavement in the Washington State Department of Transportation Route Network (PDF 3.07MB)	2010
744.2	A Brief History of Long-Life WSDOT Concrete Pavements (PDF 487KB)	2010
744.1	Portland Cement Concrete Pavement Best Practices Summary Report (PDF 196KB)	2010
743.3	Moving Forward: Safe Routes to School Progress in Five States (PDF 0.42MB)	2012
743.2	So Many Choices, So Many Ways to Choose: How Five State Departments of Transportation Select Safe Routes to School for Funding (PDF 2.41MB)	2011
743.1	Safe Routes to School (SRTS) Statewide Mobility Assessment Study - Phase 1 Report (PDF 2.87MB)	2010
742.1	Through, Over, or Under Guardrail Penetration by Guardrail Height (PDF 928KB)	2009
741.1	Effect of Chloride-based Deicers on Reinforced Concrete Structures (PDF 4.48MB)	2010
740.1	Development of a Resource Planning Index for Washington's Scenic and Recreational Highways (PDF 0.4MB)	2010
738.2	Long-Term Performance of a Hot In-Place Recycling Project -- Final Report (PDF 2.66MB)	2016
738.1	Evaluation of Hot In-Place Recycle (PDF 8.25MB)	2010
737.1	An Analysis of the Puget Sound In-Vehicle Traffic Map Demonstration (PDF 1.63MB)	2010
736.1	Assessment of Alternatives in Vegetation Management at the Edge of Pavement (PDF 4.66MB)	2010
734.1	Geologic Assessment of Potential Aggregate Source Areas in Pend Oreille County, Washington (PDF 10.2MB)	2009
733.1	State Highways as Main Streets: A Study of Community Design and Visioning (PDF 9MB)	2009

732.2	Seismic Assessment of WSDOT Bridges With Prestressed Hollow Core Piles-Part II (PDF 6.4MB)	2009
732.1	Seismic Assessment of WSDOT Bridges with Prestressed Hollow Core Piles - Part 1 (PDF 5.41MB)	2009
731.1	Identification Needs in Developing, Documenting, and Indexing WSDOT Photographs (PDF 0.16MB)	2010
730.1	Development and Analysis of a GIS-Based Statewide Freight Data Flow Network (PDF 4.88MB)	2009
729.1	Use of Ring Nets for Slope Protection for Rockfall: End-of-Construction Report (PDF 9.56MB)	2009
728.2	Evaluation of Portland Cement Concrete Pavement with High Slag Content Cement (PDF 1.07MB)	2013
728.1	Evaluation of Portland Cement Concrete Pavement with High Slag Content Cement (PDF 1.34MB)	2009
727.1	Evaluation of Dowel Bar Retrofit for Long-Term Pavement Life in Washington State (PDF 25.68MB)	2009
726.1	Use of Recycled Concrete Aggregate in PCCP: Literature Search (PDF 1.22MB)	2009
725.1	Greenroads: A sustainability performance metric for roadway design and construction (PDF 0.66MB)	2009
724.1	Design and Construction of a Field Test Site to Evaluate the Effectiveness of a Compost Amended Bioswale for Removing Metals from Highway Stormwater Runoff (PDF 10.11MB)	2009
723.2	Warm Mix Asphalt Final Report (PDF 4.84MB)	2014
723.1	Evaluation of Warm Mix Asphalt (PDF 20.86MB)	2009
722.1	2007 WSDOT Greenhouse Gas Emissions Inventory (PDF 697KB)	2009
721.1	The Impacts of Tolling on Low-Income Persons in the Puget Sound Region (PDF 1.64MB)	2009
719.1	Transportation Demand Strategies for Schools Phase II Report: Reducing Auto Congestion Around Schools (PDF 5.65MB)	2009
717.1	Detection of Voids in Prestressed Concrete Bridges Using Thermal Imaging and Ground-Penetrating Radar (PDF 2.36MB)	2008
716.1	Retrofit of Rectangular Bridge Columns Using CFRP Wrapping (PDF 2.61MB)	2008
715.1	Interpretation of Geotechnical Properties of Cement Treated Soils (PDF 1.85MB)	2008
713.1	Evaluation of Current Practices of Reclaimed Asphalt Pavement/Virgin Aggregate as Base Course Material (PDF 0.96MB)	2007
712.1	De-Bonding of Hot Mix Asphalt Pavements in Washington State: An Initial Investigation (PDF 6.05MB)	2008
711.1	Performance of Modified Class D HMA Pavements in Washington State (PDF 18.64MB)	2008
710.2	Trinidad Lake Asphalt Overlay Performance Final Report (PDF 2.38MB)	2014
710.1	Evaluation of Trinidad Lake Asphalt Overlay Performance (PDF 1.36MB)	2008
708.4	2008 Economic Impact of I-5 & I-90 Highway Closures on Shipping, Freight, and Trucking Businesses: A Telephone and Web Survey--Graphical Summary (PDF 2.27MB)	2008
708.3	2008 Economic Impact of I-5 & I-90 Highway Closures on Shipping, Freight, and Trucking Businesses: A Telephone and Web Survey--Data Report (PDF 6.25MB)	2008
708.2	Storm-Related Closures of I-5 and I-90: Freight Transportation Economic Impact Assessment Report Winter 2007-2008, Methodology Appendix (PDF 486.69KB)	2008
708.1	Storm Related Closures of I-5 and I-90: Freight Transportation Economic Impact Assessment Report, Winter 2007-2008 (PDF 1.23MB)	2008

707.1	Evaluation of Engineering Treatments and Pedestrian and Motorist Behavior on Major Arterials in Washington State (PDF 7.46MB)	2008
706.1	Eelgrass (<i>Zostera marina</i> L.) Restoration in the Pacific Northwest: Recommendations to Improve Project Success (PDF 2.5MB)	2008
704.1	Dynamic Modulus Test -- Laboratory Investigation and Future Implementation in the State of Washington (PDF 805KB)	2007
703.1	Use of Small Unmanned Aircraft by the Washington State Department of Transportation (PDF 401KB)	2008
701.1	Analysis of Deer and Elk-Vehicle Collision Sites along State Highways in Washington State (PDF 627KB)	2008
700.1	Quantifying Incident-Induced Travel Delays on Freeways Using Traffic Sensor Data (PDF 897KB)	2008
699.1	Comprehensive Evaluation of Transit Signal Priority System Impacts Using Field Observed Traffic Data (PDF 2.02MB)	2008
698.1	Use of the Maturity Method in Accelerated PCCP Construction (PDF 1.22MB)	2009
697.1	NovaChip: SR-17, City of Soap Lake, MP 75.44 to MP 76.15 (PDF 3.96MB)	2008
696.1	Effect of Intermediate Diaphragms to Prestressed Concrete Bridge Girders in Over-Height Truck Impacts (PDF 5.12MB)	2008
695.1	Cost Effective Safety Improvements on Two-Lane Rural State Roads in Washington State (PDF 1.86MB)	2008
694.1	Movement and Habitat Use of Chinook Salmon Smolts, Northern Pikeminnow, and Smallmouth Bass Near the SR 520 Bridge - 2007 Acoustic Tracking Study (PDF 20.66MB)	2008
693.1	Brief History of the Performance of Rubberized Pavements in Washington State (PDF 2.39MB)	2008
692.1	Performance of Class 3/4 Inch Dense Graded HMA Pavements in Washington State (PDF 2.03MB)	2008
691.2	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses - Project 2: Final Report (PDF 1.76MB)	2012
691.1	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses--Project 2: Post-Construction and Performance Report (PDF 3.82MB)	2008
690.1	Development of a Washington State Freight Data System (PDF 602KB)	2007
689.1	Dynamic Response of Bridges to Near-Fault Forward Directivity Ground Motions (PDF 2.29MB)	2007
688.1	Quieter Pavements Survey (PDF 1.58MB)	2008
687.1	Hydrodynamic Regimes and Structures in Sloped Weir Baffled Culverts and Their Influences on Juvenile Salmon Passage (PDF 2.69MB)	2007
686.1	Statistical Assessment of Quality Assurance-Quality Control Data for Hot Mix Asphalt (PDF 4.76MB)	2009
684.3	A Precast Concrete Bridge Bent Designed to Re-Center After an Earthquake (PDF 2.98MB)	2008
684.2	Rapidly Constructible Large-Bar Precast Bridge-Bent Seismic Connection (PDF 7.78MB)	2008
684.1	Anchorage of Large-Diameter Reinforcing Bars Grouted into Ducts (PDF 1.86MB)	2008
683.2	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses -- Project 1: Final Report (2.07MB)	2012

683.1	Evaluation of Long-Term Pavement Performance and Noise Characteristics of Open-Graded Friction Courses -- Project 1: Post-Construction and Performance Report (PDF 5.27MB)	2008
682.3	Development of Revised Pavement Condition Indices for Portland Cement Concrete Pavement for the WSDOT Pavement Management System (PDF 291.61KB)	2008
682.2	Assessment of the I-5 Portland Cement Concrete Pavement in King County: Executive Summary (PDF 748.09KB)	2007
682.1	Assessment of the I-5 Portland Cement Concrete Pavements in King County (PDF 5.79MB)	2007
680.1	Program Scoping State of Practice for Washington State (PDF 370KB)	2007
679.1	Data Quality Handling Approach of TRACFLOW Software--Technical Report (PDF 187.78KB)	2007
678.1	A Guide to Documenting VISSIM-Based Microscopic Traffic Simulation Models (PDF 10.82MB)	2007
677.1	Superpave Gyrotory Compactor Internal Angle of Gyration Study (PDF 2.16MB)	2007
676.1	ITS Backbone (PDF 215KB)	2007
675.1	Performance Analysis and Forecasting for WSDOT Highway Projects (PDF 5.1MB)	2007
674.1	URETEK Stitch-In-Time (PDF 11MB)	2007
673.1	Dynamic Pile Driving and Pile Driving Underwater Impulsive Sound (PDF 1.69MB)	2007
672.3	ITS Evaluation Phase 3 (2010) (PDF 1.75MB)	2010
672.2	ITS Framework - Phase 2 Continuation (2009): Seventeen Projects (PDF 2.02MB)	2009
672.1	ITS Evaluation Framework -- Phase 2 (PDF 1.62MB)	2007
671.1	Managing Pedestrian Safety I: Injury Severity (PDF 760KB)	2007
670.1	Rapid Pavement Construction Tools, Materials and Methods (PDF 7.97MB)	2007
669.1	Improving Predictions for Camber in Precast, Prestressed Concrete Bridge Girders (PDF 4.27MB)	2007
668.1	Evaluation of Liquefaction Hazards in Washington State (PDF 8.2MB)	2008
667.1	PCCP Texture Modification Using the Skidabrader (PDF 230KB)	2007
666.1	Performance of a Portland Cement Concrete Pavement with Longitudinal Tining, Transverse Tining, and Carpet Drag Finish (PDF 1.18MB)	2007
665.1	Homeless Student Transportation Project Evaluation (PDF 620KB)	2006
664.1	Reliability-Based Design of Seismic Retrofit for Bridges (PDF 347KB)	2007
663.2	Combined Aggregate Gradation as a Method for Mitigating Studded Tire Wear on PCCP (PDF 0.63MB)	2009
663.1	Combined Aggregate Gradation as a Method for Mitigating Studded Tire Wear on PCCP (PDF 158KB)	2007
662.1	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)	2006
661.1	Phase 1: Preliminary Environmental Investigation of Heavy Metals in Highway Runoff (PDF 609.5KB)	2006
660.1	Deployment of a Virtual Sensor System Based on Transit Probes, in an Operational Traffic Management System (PDF 1.42MB)	2006
659.1	TrafficTV (PDF 368KB)	2006
658.2	Studded Tire Wear Resistance of PCC Pavements with Special Mix Designs (PDF 2.09MB)	2011
658.1	Studded Tire Wear Resistance of PCC Pavements (PDF 2.39MB)	2007
657.2	Wear Resistant Pavement Study (PDF 1.11MB)	2009

657.1	Wear Resistant Pavement Study (PDF 6.77MB)	2006
656.1	Improving Truck and Speed Data Using Paired Video and Single-Loop Sensors (PDF 2.13MB)	2006
655.1	The Use of Weather Data to Predict Non-Recurring Traffic Congestion (PDF 517KB)	2006
654.1	Safety Evaluation Testbeds - An Assessment of Safety Project Prioritization in the WSDOT I2 Program (PDF 700KB)	2006
653.1	Operational Remote Sensing Solutions for Estimating Total Impervious Surface Areas (PDF 2.9MB)	2006
652.1	Bituminous Surface Treatment Protocol (PDF 299KB)	2007
651.1	HOT Lane Buffer and Mid-Point Access Design Review Report (PDF 2.21MB)	2006
650.1	Warm Mix Asphalt for Cold Weather Paving (PDF 1.02MB)	2006
649.1	Development of High Performance Concrete and Evaluation of Construction Joints in Concrete Floating Bridges (PDF 3.25MB)	2003
648.1	Impacts of Ferry Terminals on Juvenile Salmon Movement along Puget Sound Shorelines (PDF 2.72MB)	2006
647.1	Improving Dual-Loop Truck (and Speed) Data: Quick Detection of Malfunctioning Loops and Calculation of Required Adjustments (PDF 749.1KB)	2006
646.1	Freight Efficiency and Competitiveness Phase I (PDF 57.41MB)	2006
645.1	Evaluation of the Influence of Tack Coat Construction Factors on the Bond Strength Between Pavement Layers (PDF 2.58MB)	2006
644.1	Research on the Upstream Passage of Juvenile Salmon through Culverts: Retrofit Baffles (PDF 1.78MB)	2006
643.1	Evaluation of Puget Sound HOV Lane Hours of Operation Pilot Project: Final Report (PDF 1.32MB)	2006
642.1	Deception Pass Log Rail (PDF 2.2MB)	2004
641.1	Rich Passage Passenger Only Ferry Study -- Phase I (PDF 21.96MB)	2005
640.1	Regional Precipitation-Frequency Analysis and Spatial Mapping of Precipitation for 24-Hour and 2-Hour Durations in Eastern Washington (PDF 4.21MB)	2006
639.1	Seismic Assessment and Retrofit of Existing Multi-Column Bent Bridges (PDF 2.19MB)	2006
638.1	Understanding Flexibility in Transportation Design – Washington (PDF 9.95MB)	2005
637.2	Performance of Concrete Pavements with Longitudinal Tining, Transverse Tining, and Carpet Drag Finish (PDF 2.2MB)	2012
637.1	Performance of a Portland Cement Concrete Pavement with Carpet Drag Finish (PDF 4.54MB)	2006
636.3	In-Service Evaluation of Major Urban Arterials with Landscaped Medians-Phase III (PDF 1.18MB)	2013
636.2	In-Service Evaluation of Major Urban Arterials with Landscaped Medians-Phase II (PDF 607.9KB)	2009
636.1	In-Service Evaluation of Major Urban Arterials with Landscaped Medians - Conditions as of 2004 (PDF 3.29MB)	2007
635.2	The Automated Use of Un-Calibrated CCTV Cameras as Quantitative Speed Sensors—Phase 3 (PDF 1.7MB)	2006
635.1	The Automated Use of Un-Calibrated CCTV Cameras as Quantitative Speed Sensors—Phase 3 (PDF 2.25MB)	2006
634.1	Institutionalizing Flexibility in Transportation Design – Washington (PDF 228.7KB)	2005
633.1	A General Simulation Model for Use with Real Freeway Data to Perform Congestion Prediction--Phase 3 (PDF 920KB)	2006

632.1	Highway Project Delivery Requirements (PDF 9.48MB)	2006
631.1	A Motorist and Pedestrian Behavioral Analysis on SR 7 (PDF 674KB)	2005
630.1	Radar for Traffic Monitoring (PDF 965.5KB)	2005
629.1	Design of Precast Concrete Piers for Rapid Bridge Construction in Seismic Regions (PDF 4.66MB)	2005
628.1	Assessment and Mitigation of Potential Environmental Impacts of Portland Cement Concrete Highway Grindings (PDF 457KB)	2005
627.1	Statewide Archive (PDF 368KB)	2005
626.1	State Route 105: Benefit - Cost Analysis (PDF 2.28MB)	2005
625.1	Travel Behavior, Emissions & Land Use Correlation Analysis in the Central Puget Sound (PDF 3.51MB)	2005
624.1	Summary Report: Washington State Road Weather Information Systems (PDF 237KB)	2005
623.1	Central Puget Sound Freeway Network Usage and Performance, 2003 Update (PDF 5.87MB)	2005
622.1	Identifying I-90 Wildlife Corridors Using GIS & GPS: Spatial-Temporal Model of Landscape Use by GPS Marked Cougars (PDF 39.22MB)	2005
621.1	Assessment of Alternatives in Roadside Vegetation Management (PDF 1.07MB)	2005
620.1	Transportation-Efficient Land Use Mapping (TELUMI): Phase 3 of Integrating Land Use and Transportation Investment Decision-Making (PDF 3.65MB)	2005
619.1	Measurement of Recurring and Non-Recurring Congestion: Phase 2 (PDF 199KB)	2005
618.1	Application of a Simplified Analysis Method for Natural Dispersion of Highway Stormwater Runoff (PDF 14.3MB)	2005
617.1	AVL-Equipped Vehicles as Speed Probes (Final Phase) (PDF 1.03MB)	2005
616.1	WSDOT'S Role in TDM: Strategic Interest, Structure, and Responsibilities (PDF 1.7MB)	2005
615.2	Travel Indicators and Trends in Washington State Summary (PDF 169KB)	2005
615.1	Travel Indicators and Trends in Washington State (PDF 1.95MB)	2005
614.1	Protocols for Evaluation of Upstream Passage of Juvenile Salmonids in an Experimental Culvert Test Bed (PDF 1.67MB)	2005
613.1	Evaluation of Juvenile Salmon Leaping Ability and Behavior at the Experimental Culvert Test Bed (PDF 1.63MB)	2005
612.2	Design Guidelines for Wire Mesh/Cable Net Slope Protection (PDF 1.9MB)	2005
612.1	Analysis and Design of Wire Mesh/Cable Net Slope Protection (PDF 7.37MB)	2005
611.1	Precast Concrete Pier Systems for Rapid Construction of Bridges in Seismic Regions (PDF 4.57MB)	2005
610.1	Development of the WSDOT Pile Driving Formula and Its Calibration for Load and Resistance Factor Design (LRFD) (PDF 416KB)	2005
609.1	The CTR Performance Grant Program: Strengthening the Program's Structure and Market (PDF 532KB)	2005
608.1	ARROWS Evaluation (PDF 1.13MB)	2005
607.1	Options for Benchmarking Performance Improvements Achieved from Construction of Freight Mobility Projects (PDF 2.05MB)	2005
606.1	ATIS Evaluation Framework (PDF 1.55MB)	2005
605.1	Determining the Potential Economic Viability of Inter-Modal Truck-Rail Facilities in Washington State (PDF 364.9KB)	2004
604.1	FHWA Supported Structures Research: Seismic Behavior of Micropiles (PDF 335KB)	2005
603.1	TrafficTV (PDF 1.1MB)	2005

602.1	Information Tools to Improve Post-Earthquake Prioritization of WSDOT Bridge Inspections (PDF 1.14MB)	2005
601.1	Seismic Behavior and Retrofit of Bridge Knee Joint Systems (PDF 2.22MB)	2005
600.1	Improving Traffic Characterization to Enhance Pavement Design and Performance: Load Spectra Development (PDF 8.19MB)	2005
599.1	Evaluation of Puget Sound HOV Lane Hours of Operation: One-Year Results (PDF 1.05MB)	2004
597.1	Assessing the Benefits of Traveler and Transportation Information Systems (PDF 588KB)	2005
596.1	Seismic Analysis and Retrofit Study of the SR 99-Spokane Street Over-Crossing (PDF 3.97MB)	2005
595.1	Long-Term Performance of Geotextile Separators, Bucoda Test Site—Phase III (PDF 12.63MB)	2005
594.1	State-of-the-Art Report on Precast Concrete Systems for Rapid Construction of Bridges (PDF 7.47MB)	2005
593.2	Guidance on Using Remote Sensing Applications for Environmental Analysis in Transportation Planning (PDF 1.33MB)	2004
593.1	Remote Sensing Applications for Environmental Analysis in Transportation Planning: Application to the Washington State I-405 Corridor (PDF 4.96MB)	2004
592.1	Reflectivity of Pavement Markings: Analysis of Retroreflectivity Degradation Curves (PDF 541KB)	2004
591.1	Median Crossover Accident Analyses and the Effectiveness of Median Barriers (PDF 666KB)	2004
590.1	Plan for Pile-Driving Research (PDF 3.11MB)	2004
589.1	An Approach for Estimating Infiltration Rates for Stormwater Infiltration Dry Wells (PDF 1.2MB)	2004
588.2	PCCP Models for Rehabilitation and Reconstruction Decision-Making (PDF 732KB)	2006
588.1	Application of HDM-4 in the WSDOT Highway System (PDF 3.75MB)	2004
587.1	Shoreline Armoring Research Program: Phase II-Conceptual Model Development for Bank Stabilization in Freshwater Systems (PDF 1.2MB)	2004
586.1	Feasibility of Backcalculation Procedures Based on Dynamic FWD Response Data (PDF 544KB)	2005
585.1	Screening Model for Determining Likelihood of Site Occupancy by Oregon Spotted Frogs (<i>Rana pretiosa</i>) in Washington State (PDF 1.68MB)	2004
584.2	HOV Lane Performance Monitoring: 2002 Report, Volume 1 (PDF 2MB)	2004
584.1	HOV Lane Performance Monitoring: 2002 Report, Volume 2-Trends (PDF 677KB)	2004
583.1	Evaluation of Oil Rebate Expenditures Undertaken in Association with the Freeway and Arterial Management Effort (FAME) (PDF 176KB)	2004
582.1	Determination of the Effects of Anti-Icer Compounds upon the Rare Plant <i>Hackelia Venusta</i> (PDF 4.09MB)	2004
581.1	Investigation of Flow and Local Scour Characteristics around a Partially Submerged Permeable WSDOT Barb (PDF 2.92MB)	2004
580.1	In-Service Performance of Guardrail Terminals in Washington State (PDF 2.08MB)	2004
579.1	AVL-Equipped Vehicles as Speed Probes (Phase 2) (PDF 1.4MB)	2003
578.2	Design Manual for Sizing Infiltration Ponds (PDF 1.37MB)	2003
578.1	Implementation of Infiltration Ponds Research (PDF 6.12MB)	2003
577.1	Automata Model for Congestion Prediction (PDF 4.34MB)	2003
576.2	Dowel Bar Retrofit - Do's and Don'ts (PDF 6.13MB)	2009

576.1	Dowel Bar Retrofit – Do's and Don'ts (PDF 2.23MB)	2003
575.1	Algorithms for Estimating Mean Vehicle Speed Using Uncalibrated Traffic Management Cameras (PDF 8.37MB)	2003
574.1	Strategies and Tools to Implement Transportation-Efficient Development: A Reference Manual. Phase 2 of Integrating Land Use and Transportation Investment Decision Making (PDF 4.23MB)	2003
573.1	Assessing Overwater Structure-Related Predation Risk on Juvenile Salmon: Field Observations and Recommended Protocols (PDF 4.9MB)	2003
571.1	NovaChip: SR-17, City of Soap Lake Milepost 75.44 to Milepost 76.15 (PDF 1.99MB)	2003
570.1	Effects of Retrofitting Applications on Reinforced Concrete Bridges (PDF 4.88MB)	2003
569.1	Cotton Duck Bearing Pads: Engineering Evaluation and Design Recommendations (PDF 2.56MB)	2003
568.2	Measurement of Recurring Versus Non-Recurring Congestion (PDF 240KB)	2003
568.1	Measurement of Recurring Versus Non-Recurring Congestion: Technical Report (PDF 349KB)	2003
567.1	Breeding Phenology, Nesting Success, Habitat Selection, And Census Methods for the Streaked Horned Lark in the Puget Lowlands of Washington (PDF 11.26MB)	2003
566.1	Freight Data from Intelligent Transportation System Devices (PDF 860KB)	2003
565.1	ITS Backbone Infrastructure (PDF 411KB)	2003
564.1	A Next-Generation Land Surface Model for the Prediction of Pavement Temperature (PDF 279KB)	2003
563.1	Central Puget Sound Freeway Network Usage and Performance, 2001 Update (PDF 2.83MB)	2003
562.1	Interaction Between the Roadway and Roadside—An Econometric Analysis of Design and Environmental Factors Affecting Segment Accident Rates (PDF 390KB)	2003
560.1	A Motorist and Pedestrian Behavioral Analysis Relating to Pedestrian Safety Improvements (PDF 2.61MB)	2003
559.1	An Evaluation of Stormwater Permeable Rapid Infiltration Barriers for Use in Class V Stormwater Injection Wells (PDF 2.77MB)	2003
558.1	Experimental Response and Analysis of the Evergreen Point Floating Bridge (PDF 1.06MB)	2003
557.1	Functions and Benefits of Rural Airports in Washington (PDF 592KB)	2002
556.1	Pedestrian Safety and Transit Corridors (PDF 3.49MB)	2003
555.1	North Seattle Advanced Traffic Management System (NSATMS) Project Evaluation (PDF 458KB)	2002
554.1	Economic Impacts of Access Management (PDF 496KB)	2002
553.1	Evaluation of Displacement-Based Methods and Computer Software for Seismic Analysis of Highway Bridges (PDF 2.29MB)	2003
552.1	Analysis of Web-Based WSDOT Traveler Information: Testing Users' Information Retrieval Strategies (PDF 2.14MB)	2002
551.1	An Overview of Studded and Studless Tire Traction and Safety (PDF 585KB)	2002
550.1	Effects of Large Overwater Structures on Epibenthic Juvenile Salmon Prey Assemblages in Puget Sound, Washington (PDF 815KB)	2002
549.1	Implementing Transportation-Efficient Development: A Local Overview (PDF 2.35MB)	2002
547.2	Multimodal Investment Choice Analysis. Volume II, Program Code (PDF 324KB)	2002
547.1	Multimodal Investment Choice Analysis. Volume I, Phase 1 (PDF 9.19MB)	2002

545.2	Culvert Design Flows for Fish Passage and Structural Safety in East Cascade and Blue Mountain Streams (PDF 5.4MB)	2002
545.1	Modeling Hydrology for Design of Fish Passage (PDF 24.02MB)	2002
544.1	Regional Precipitation-Frequency Analysis and Spatial Mapping of Precipitation for 24-Hour and 2-Hour Durations in Western Washington (PDF 2.56MB)	2002
543.1	A Brief Report on 2001 Activities for ITS Backbone Infrastructure (PDF 360KB)	2002
542.2	Rapid Repair Design of Temporary Support Systems for Bridges Damaged by Earthquakes in the State of Washington, Appendix A-Design Manual (PDF 1.12MB)	2001
542.1	Rapid Repair Design of Temporary Support Systems for Bridges Damaged by Earthquakes in the State of Washington (PDF 972KB)	2001
540.1	Methodology for Determining Washington State Value-Added of Freight Moved in Washington Corridors (PDF 3.43MB)	2002
539.1	Juvenile Coho Movement Study (PDF 790KB)	2002
538.1	A Statistical Analysis of Factors Associated with Driver-Perceived Road Roughness on Urban Highways (PDF 1.07MB)	2002
537.1	A Cellular Automata Model for Use with Real Freeway Data (PDF 380.5KB)	2002
535.1	Evaluation of Dual-Loop Data Accuracy Using Video Ground Truth Data (PDF 265KB)	2002
534.1	AVL- Equipped Vehicles as Traffic Probe Sensors (PDF 766KB)	2002
533.1	Infiltration Characteristics, Performance and Design of Storm Water Facilities (PDF 12.9MB)	2003
532.1	Internal Stability Analyses of Geosynthetic Reinforced Retaining Walls (PDF 3.31MB)	2002
531.1	Occurrence of Lynx in the North Cascades Highway Corridor (PDF 11.08MB)	2002
530.1	Implementation of High Performance Concrete in Washington State (PDF 4.74MB)	2001
529.1	Road Weather Information Systems: Enabling Proactive Maintenance Practices in Washington State (PDF 1.16MB)	2002
528.1	Application of the K sub 0-Stiffness Method to Reinforced Soil Wall Limit States Design (PDF 637KB)	2001
527.1	The Use of Uncalibrated Roadside CCTV Cameras to Estimate Mean Traffic Speed (PDF 357KB)	2001
526.1	Effects of Turbidity and Suspended Solids on Salmonids (PDF 393KB)	2001
524.1	Ecological Issues in Floodplains and Riparian Corridors (PDF 3.19MB)	2001
523.1	Mapping of Subtidal and Intertidal Habitat Resources: Hood Canal Floating Bridge, Washington (PDF 1.66MB)	2002
522.2	Prediction of Reinforcement Loads in Reinforced Soil Walls (PDF 3.75MB)	2003
522.1	Prediction of Soil Reinforcement Loads in Mechanically Stabilized Earth Walls (PDF 3.04MB)	2001
521.3	Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington: Final Report (PDF 2.3MB)	2002
521.2	Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington: Report 2 (PDF 1.13MB)	2002
521.1	Effects of Shoreline Hardening and Shoreline Protection Features on Fish Utilization and Behavior, Washaway Beach, Washington (PDF 890KB)	2001
520.1	Seismic Instrumentation for the Alaskan Way Viaduct (PDF 6.75MB)	2002
519.1	Targeting Pedestrian Infrastructure Improvements: A Methodology to Assist Providers in Identifying Suburban Locations with Potential Increases in Pedestrian Travel (PDF 5.47MB)	2001

518.2	Evaluation of the Instant Tow Dispatch Pilot Program in the Tacoma Area (A Supplement to the Evaluation of the Service Patrol Program in the Puget Sound Region) (PDF 432KB)	2003
518.1	Evaluation of the Service Patrol Program in the Puget Sound Region (PDF 957KB)	2001
517.2	An Assessment of WSDOT's Hot Mix Asphalt Quality Control and Assurance Requirements (PDF 844KB)	2007
517.1	A Quantification and Evaluation of WSDOT's Hot-Mix Asphalt Concrete Statistical Acceptance Specification (PDF 490KB)	2001
516.1	Median Treatment Study on Washington State Highways (PDF 592KB)	2002
515.1	Weave Analysis and Performance: The Washington State Case Study (PDF 1MB)	2001
514.1	Dynamic Stiffness of Piles in Liquefiable Soils (PDF 5.89MB)	2002
513.1	Development of the Simplified Method for Internal Stability Design of Mechanically Stabilized Earth Walls (PDF 444KB)	2001
512.3	Ground-Water Quality and Levels, and Surface-Water, Meteorological and Other Environmental Data Collected at Two Storm-Water Retention Basins Near DuPont, Washington, Water Years 1998-2000 (PDF 501KB)	2002
512.2	Preliminary Assessment of Infiltration Rates and Effects on Water Quality of Selected Infiltration Media for Use in Highway Runoff Retention Basins in Washington State (PDF 783KB)	2001
511.2	Summary: TravelAid (PDF 254KB)	2002
511.1	TravelAid (PDF 1.37MB)	2001
510.1	Surveillance Options for Monitoring Arterial Traffic Conditions (PDF 1.24MB)	2001
509.1	Maintaining Freight Mobility Options in Washington State: Innovative Approaches to Preserving Rail Freight Service (PDF 1.13MB)	2001
508.2	Overwater Structures: Marine Issues (Executive Summary) (PDF 237KB)	2001
508.1	Overwater structures: Marine Issues (PDF 2.15MB)	2001
507.1A	Executive Summary—Dredging Activities: Marine Issues (PDF 230KB)	2001
507.1	Dredging Activities: Marine Issues (PDF 2.95MB)	2001
506.2	HOV Lane Performance Monitoring: 2000 Report (Executive Summary) (PDF 426KB)	2001
506.1	HOV Lane Performance Monitoring: 2000 Report (PDF 6.8MB)	2002
505.1	Smart Trek: A Model Deployment Initiative (PDF 1.68MB)	2001
504.1	Stone Matrix Asphalt -- SR 524, 64th Avenue West to I-5 (PDF 1.94MB)	2000
503.2	PCCP Intersections Design and Construction in Washington State (PDF 59.11MB)	2003
503.1	PCCP Intersections Design and Construction in Washington State (PDF 24.79MB)	2001
501.1	Surveillance Options for Monitoring Arterial Traffic Conditions (PDF 1.81MB)	2001
500.1	An Evaluation of the Impacts of Highway Deicers on Peshastin Creek (PDF 400KB)	2001
499.1	Impacts of Heavy Axle Loads on Light Density Lines in the State of Washington (PDF 2.72MB)	2001
498.1	QA Specification Practices (PDF 1.08MB)	2000
497.1	Strategic Freight Transportation Analysis (SFTA) (PDF 565KB)	2001
496.1	Documentation of the Design and Construction of the New Tacoma Narrows Bridge (PDF 732KB)	2000
495.1	Vegetated Stormwater Facility Maintenance (PDF 1.52MB)	2000
494.1	Fatigue Cracking of Riveted, Coped, Stringer-to-Floorbeam Connections (PDF 2.61MB)	2001
493.2	Central Puget Sound Freeway Network Usage and Performance, 1999 Update, Volume 2: Trends (PDF 1.2MB)	2000
493.1	Central Puget Sound Freeway Network Usage and Performance, 1999 Update, Volume 1 (PDF 2.32MB)	2000

492.1	A Framework for WSDOT Pavement Research (PDF 308KB)	2000
491.1	Soil Bioengineering for Upland Slope Stabilization (PDF 2.16MB)	2001
490.1	Polyacrylamide (PAM) Flocculent Dissolution Rate Testing for an Experimental Passive Dosing System (PDF 3.06MB)	2000
489.1	I-90 Snoqualmie Pass Wildlife Habitat Linkage Assessment (PDF 10.51MB)	2000
488.2	Potential Use of Puget Sound HOV Lanes by General Purpose Vehicles in Off-Peak Hours: A Summary Paper (PDF 323KB)	2000
488.1	Weekend Freeway Performance and the Use of HOV Lanes on Weekends (PDF 546KB)	2000
487.1	Summary Report on the State Pavement Technology Consortium (PDF 239KB)	2000
486.1	Superpave - Washington DOT's Assessment and Status (PDF 4.45MB)	1999
485.1	Perspectives on Successful Telework Initiatives (PDF 143KB)	2000
484.1	Traffic Data Acquisition and Distribution (TDAD) (PDF 645KB)	2002
483.1	Infiltration Characteristics, Performance, and Design of Storm Water Facilities: Interim Report (PDF 3.18MB)	2001
482.2	Retrofit of Split Bridge Columns. Appendices, Retrofit Design Calculations (PDF 2.57MB)	2001
482.1	Retrofit of Split Bridge Columns (PDF 7.06MB)	2000
481.3	A Programmer's Guide to the Fuzzy Logic Ramp Metering Algorithm: Software Design, Integration, Testing, and Evaluation (PDF 229KB)	2000
481.2	Evaluation of a Fuzzy Logic Ramp Metering Algorithm: A Comparative Study Among Three Ramp Metering Algorithms Used in the Greater Seattle Area (PDF 424KB)	2000
481.1	Algorithm Design, User Interface, and Optimization Procedure for a Fuzzy Logic Ramp Metering Algorithm: A Training Manual for Freeway Operations Engineers (PDF 699KB)	2000
480.1	Impacts of Ferry Terminals on Juvenile Salmon Migrating Along Puget Sound Shorelines. Phase II: Field Studies at Port Townsend Ferry Terminal (PDF 2.68MB)	1999
479.1	Equilibrium Geomorphologic Conditions for High Gradient Bed Streams (PDF 1.56MB)	2000
478.1	Origin and Destination Studies Literature Search Results (PDF 901KB)	1999
477.1	High Performance Concrete in Washington State SR 18/SR 516 Overcrossing: Final Report on Girder Monitoring (PDF 2.68MB)	2000
476.1	Construction-Related Asphalt Concrete Pavement Temperature Differentials and the Corresponding Density Differentials (PDF 1.55MB)	2001
475.1	Analysis of Roadside Accident Frequency and Severity and Roadside Safety Management (PDF 412KB)	1999
474.1	Contaminant Detention in Highway Grass Filter Strips (PDF 474KB)	2000
473.2	Evaluation Tools for HOV Lane Performance Monitoring (PDF 1.13MB)	1999
473.1	HOV Lane Performance Monitoring: 1998 Annual Report (PDF 763KB)	1999
472.1	Impacts of Ferry Terminals on Juvenile Salmon Migrating Along Puget Sound Shorelines. Phase I: Synthesis of State of Knowledge (PDF 1.31MB)	1999
471.1	A Synthesis on Studded Tires (PDF 1.59MB)	1999
470.1	Demand Forecasting for Rural Transit (PDF 1.27MB)	1999
469.1	Irregularly Sampled Transit Vehicles Used as Probe Vehicle Traffic Sensors (PDF 671KB)	1999
468.1	Benefits and Costs Associated with the WSDOT CTR Program (PDF 1.89MB)	1999
467.1	Busview: an APTS Precursor and a Deployed Applet (PDF 1.1MB)	2000
466.2	Flow Evaluation Design: Technical Report (PDF 7.68MB)	1999
466.1	Central Puget Sound Freeway Network: Usage and Performance (PDF 1.27MB)	1999
465.1	Video Imaging Processing to Create a Speed Sensor (PDF 806KB)	2000
464.1	Mycoremediation of Aged Petroleum Hydrocarbon Contaminants in Soil (PDF 8.84MB)	1998

463.2	A Self-Describing Data Transfer Methodology for ITS Applications: Executive Summary (PDF 690KB)	2000
463.1	A Self-Describing Data Transfer Methodology for ITS Applications (PDF 1.91MB)	2000
462.6	SWIFT: Seattle Wide-area Information for Travelers, Evaluation Summary (PDF 2.1MB)	1999
462.5	SWIFT: Seattle Wide-area Information for Travelers, Communications Study (PDF 6.8MB)	1998
462.4	SWIFT: Seattle Wide-area Information for Travelers, Institutional Issues Study (PDF 2.9MB)	1998
462.3	SWIFT: Seattle Wide-area Information for Travelers, Deployment Cost Study (PDF 2.9MB)	1998
462.2	SWIFT: Seattle Wide-area Information for Travelers, Consumer Acceptance Study (PDF 2.79MB)	1998
462.1	SWIFT: Seattle Wide-area Information for Travelers, Architecture Study (PDF 5.09MB)	1998
461.1	Washington State Department of Transportation Advanced Traveler Information Systems Business Plan (PDF 555KB)	1999
460.2	Technology and Safety on Urban Roadways: The Role of ITS for WSDOT (PDF 134KB)	2000
460.1	The Contribution of ITS to Rural Safety: A Look at Crashes in Washington State (PDF 165KB)	1999
459.3	Econometric Estimation of Peak Spreading in the Seattle Metropolitan Area (PDF 1.52MB)	1998
459.2	Review of MicroBENCOST for WSDOT Mobility (PDF 751KB)	1998
459.1	Peak Spreading Analysis: Review of Relevant Issues and Synthesis of Current Practice, Phase I (PDF 2.14MB)	1998
458.1	Evaluation of Travel Demand Management Strategies in the Trip Generation Phase of a Network-Based Modeling Approach (PDF 3.61MB)	1998
457.1	Juvenile and Resident Salmonid Movement and Passage Through Culverts (PDF 93KB)	1998
456.1	HOV Evaluation and Monitoring Phase IV (PDF 13.39MB)	1998
455.1	Modeling of Rigid Pavements: Joint Shear Transfer Mechanisms and Finite Element Solutions Strategies (PDF 2.74MB)	1998
454.1	Evaluation of Full Weekend Closure Strategy for Highway Reconstruction Projects: I-405 Tukwila to Factoria (PDF 838KB)	1998
453.1	Mobility Programming Criteria and Evaluation Procedures (PDF 3.99MB)	1998
452.2	Geosynthetic Reinforced Wall Analysis Phase II: Use of In-Soil Geosynthetic Behavior to Predict Deformations, Volume 2: Implementation—Computer Codes and Files (PDF 875KB)	1998
452.1	Geosynthetic Reinforced Wall Analysis Phase II: Use of In-Soil Geosynthetic Behavior to Predict Deformations, Volume 1: Research Program and Results (PDF 792KB)	1998
451.1	WSDOT BMP's for Stormwater Runoff in Confined Spaces (PDF 2.61MB)	1999
450.1	Ground Motions Due to Large Magnitude Subduction Zone Earthquakes (PDF 3.65MB)	1998
449.1	Seismic Performance and Retrofit of Multi-Column Bridge Bents (PDF 1.77MB)	1998
447.1	Fatigue Cracking of Riveted Steel Tied Arch and Truss Bridges (PDF 2.42MB)	1998
446.2	An Investigation into the Effectiveness of Ice Warning Sign Placement Practices: Volume 2, Appendices (PDF 16.92MB)	1997
446.1	An Investigation into the Effectiveness of Ice Warning Sign Placement Practices: Volume 1 (PDF 12.68MB)	1997
445.1	Rubber-Asphalt Open-Graded Friction Course: I-5, Columbia River Bridge to 39th Street (PDF 160KB)	1997

444.1	Seattle Smart Traveler (PDF 1.86MB)	1997
443.1	Evaluation of the PuSHMe Regional Mayday System Operational Test (PDF 7.58MB)	1997
442.1	On-Line Implementation of a Fuzzy Neural Ramp Metering Algorithm (PDF 1.79MB)	1997
441.1	Treatment of Vector Solids (PDF 1.31MB)	1998
440.1	Performance of Geotextile Separators, Bucoda Test Site—Phase II (PDF 68.32MB)	1997
437.1	Identification and Assessment of Washington State Pavements with Superior and Inferior Performance (PDF 28.32MB)	2000
436.1	How Do You Implement Less Auto-Dependent Urban Form? (PDF 1.94MB)	1997
434.1	Experimental Study of Automotive Brake System Temperatures (PDF 681KB)	1997
432.1	Effects of Site Design on Pedestrian Travel in Mixed-Use, Medium-Density Environments (PDF 15.22MB)	1997
431.1	Learning from Truckers: Moving Goods in Compact, Livable Urban Areas (PDF 331KB)	1997
429.1	Effect of Road Shoulder Treatments on Highway Runoff Quality and Quantity (PDF 7.32MB)	1997
428.2	A Sensitivity Analysis and Implementation Review of the Mobility Improvements Prioritization Method (PDF 8.62MB)	1997
428.1	Analysis of the Initial Application of the State of Washington Highway Mobility Project Ranking Procedure and Recommended Revisions for the Upcoming Biennium (PDF 3.46MB)	1997
427.1	Analytical Evaluation of Retrofit Strategies for Multi-Column Bridges (PDF 10.57MB)	1997
426.2	An Assessment of the Zero-Rise Ordinance in King County: Technical Report (PDF 5.87MB)	1998
426.1	An Assessment of the Zero-Rise Ordinance in King County (PDF 3.71MB)	1997
425.1	Relationship between Side Slope Conditions and Collision Records in Washington State (PDF 2.33MB)	1996
424.1	Methyl Methacrylate (MMA) Lane Lines, I-5, Nisqually River Bridge to Gravelly Lake I/C (PDF 221KB)	1996
423.1	Methyl Methacrylate (MMA) Lane Lines, I-90, Asahel Curtis I/C to Kachess River (PDF 252KB)	1996
422.1	Contech A-2000 PVC Sewer Pipe, SR-224 West Richland to SR-240 (PDF 170KB)	1996
421.2	Mitigation Between Regional Transportation Needs and Preservation of Eelgrass Beds-- Appendices (Volume II) (PDF 5.75MB)	1997
421.1	Mitigation Between Regional Transportation Needs and Preservation of Eelgrass Beds (Volume I) (PDF 5.22MB)	1997
420.1	An Evaluation of Motorist Aid Call Boxes in Washington State (PDF 4.71MB)	1996
419.1	Catalyzed Peroxide Soil Pilot Study (PDF 4.35MB)	1997
418.1	Stormwater Runoff Cost/Benefit Project Prioritizing Stormwater Outfalls (PDF 9MB)	1997
417.1	Noncontact Lap Splices in Bridge Column-Shaft Connections (PDF 839KB)	1997
416.1	The Nexrad Radar System as a Tool in Highway Traffic Management (PDF 3.05MB)	1997
415.1	The Potential for Freight Productivity Improvements Along Urban Corridors (PDF 8.45MB)	1996
414.2	HOV Evaluation and Monitoring III (PDF 28.58MB)	1997
414.1	HOV Evaluation and Monitoring Phase III (PDF 11.22MB)	1996
413.1	Method for Prioritizing Intersection Improvements (PDF 166KB)	1997
412.1	Dynamic Response of Peats (PDF 4.55MB)	1996
411.1	ITS Backbone Design and Demonstration (PDF 2.51MB)	1996
410.1	ITS Data Fusion (PDF 4.59MB)	1996

409.1	A Framework for the Constructability Review of Transportation Projects (PDF 3.39MB)	1996
408.1	Hot In-Place Recycling: SR-97 West Wapato Road to Lateral A Road (SB) (PDF 6.96MB)	1996
407.1	Rubber Modified and Performance Based Asphalt Binder Pavements, I-5 Nisqually River to Gravelly Lake: Post Construction Report (PDF 2.7MB)	1996
406.2	Determination of Rheological Parameters of Pile Foundations for Bridges for Earthquake Analysis: Summary Report (PDF 2.26MB)	1997
406.1	Determination of Rheological Parameters of Pile Foundations for Bridges for Earthquake Analysis: Technical Report (PDF 11.11MB)	1997
404.1	The Retardation of Heavy Metals in Stormwater Runoff by Highway Grass Strips (PDF 5.02MB)	1996
403.1	The Relationship Between Highway Geometrics, Traffic Related Elements, and Motor Vehicle Accidents (PDF 3.4MB)	1996
402.1	Microzonation for Temperature and Wind for the State of Washington (PDF 2.91MB)	1996
400.1	Proximate Commuting: A Demonstration Project of a Strategic Commute Reduction Program (PDF 5.75MB)	1995
399.1	Automated Video-Based Survey of Travel Times in HOV vs. General Purpose Lanes (PDF 2.34MB)	1995
398.1	Video Image Processing for Freeway Monitoring and Control: Evaluation of the Mobilizer (PDF 6.08MB)	1995
397.1	The Measurement of Roadway PM [subscript]10 Emission Rates Using Tracer Techniques (PDF 2.52MB)	1996
396.1	Transit Implications of HOV Facility Design (PDF 6.37MB)	1995
395.1	Simulation Testing of a Fuzzy Neural Ramp Metering Algorithm (PDF 3.28MB)	1995
394.1	Automatic Transit Location System (PDF 2.7MB)	1996
393.1	HOV Evaluation and Monitoring: Phase II (PDF 11.84MB)	1995
392.1	Maintenance Free Crash Cushion (PDF 1.73MB)	1995
391.1	Catalytic Pavement Borders (PDF 1.65MB)	1996
390.1	Measuring Level of Service and Performance in Public Transportation (PDF 2.36MB)	1995
389.2	The Assessment of Groundwater Pollution Potential Resulting from Stormwater Infiltration BMPs: Technical Report (PDF 1.4MB)	1996
389.1	The Assessment of Groundwater Pollution Potential Resulting from Stormwater Infiltration BMPs (PDF 1.58MB)	1996
388.2	Investigation of Culvert Hydraulics Related to Juvenile Fish Passage: Final Technical Report (PDF 6.17MB)	1996
388.1	Investigation of Culvert Hydraulics Related to Juvenile Fish Passage (PDF 4.92MB)	1996
387.2	Unseating of Simply Supported Spans During Earthquakes (PDF 1.44MB)	1996
387.1	Design of Seismic Restrainers for In-Span Hinges (PDF 3.99MB)	1996
386.1	Improved Error Detection Using Prediction Techniques and Video Imaging (PDF 5.46MB)	1995
385.1	A Real-Time Freeway Traveler Information System: Expansion, Implementation, and Evaluation (PDF 5.44MB)	1996
384.1	Vehicle/Pavement Interaction at the PACCAR Test Site (PDF 8.58MB)	1995
383.1	The Washington State Department of Transportation Memorandum of Agreement for Wetland Compensation Banking: County and Tribal Participation (PDF 3.53MB)	1995
382.1	Seismic Evaluation and Retrofit of Bridge Substructures with Spread and Pile-Supported Foundations (PDF 1.82MB)	1995
381.1	Freeway Congestion Prediction (PDF 3.18MB)	1995

380.1	Land Use Trends Affecting Auto Dependence in Washington's Metropolitan Areas (PDF 6.79MB)	1995
379.1	A Review of Crumb-Rubber Modified Asphalt Concrete Technology (PDF 3.55MB)	1995
378.4	Special Noise Barrier Applications: Phase III: Technical Report (PDF 7.03MB)	1996
378.3	Special Noise Barrier Applications: Phase III (PDF 902KB)	1996
378.2	Barrier Design Files: Supplement to Special Noise Barrier Applications: Phase II (PDF 2.2MB)	1995
378.1	Special Noise Barrier Applications: Phase II (PDF 3.11MB)	1995
377.1	An Evaluation of Public Opinion about Congestion Pricing and Tolls (PDF 2.99MB)	1995
376.1	Bellevue Smart Traveler: Design, Demonstration, and Assessment (PDF 9.82MB)	1995
375.1	Wetland Evaluation Based on Current Structure and Function (PDF 7.71MB)	1994
374.1	Thin Polymer Bridge Deck Overlays: WSDOT's Ten Year Evaluation (PDF 2.44MB)	1995
373.1	Urban Goods and Intercity Freight Movement (PDF 4.45MB)	1995
372.1	A Roughness Model Describing Heavy Vehicle-Pavement Interaction (PDF 1.69MB)	1995
371.3	Evaluation of Design Methodologies for Soil-Nailed Walls, Volume 3: An Evaluation of Soil-Nailing Analysis Packages (PDF 5.03MB)	1998
371.2	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)	1998
371.1	Evaluation of Design Methodologies for Soil-Nailed Walls, Volume 1 (PDF 7.32MB)	1998
370.1	Bicycle Facilities and Use (PDF 3.46MB)	1995
369.1	Field Measurements of Dynamic Wheel Loads on Modular Expansion Joints (PDF 2.81MB)	1995
368.1	A Guidebook for Residential Traffic Management (PDF 10.9MB)	1994
367.2	Accuracy and Precision in the Analysis and Design of Floating Bridges (PDF 768KB)	1997
367.1	Wind on the Evergreen Point Bridge: January 27 to March 31, 1994 (PDF 1.88MB)	1996
366.1	Evaluation and Application of Washington State's Incident Response Guide *PDF 1.76MB)	1994
365.1	Freeway Traffic Data Prediction Using Artificial Neural Networks and Development of a Fuzzy Logic Ramp Metering Algorithm (PDF 3.91MB)	1995
364.2	Washington-Integrated Networked Geo-Based System (WINGS): Implementation Plan (PDF 2.16MB)	1994
364.1	Washington-Integrated Networked Geo-Based System (WINGS): User Requirements and Conceptual Design (PDF 3.08MB)	1994
363.4	Seismic Vulnerability of the Alaskan Way Viaduct: Summary Report (PDF 64KB)	1995
363.3	Seismic Vulnerability of the Alaskan Way Viaduct: SED Typical Unit (PDF 2.93MB)	1995
363.2	Seismic Vulnerability of the Alaskan Way Viaduct: Geotechnical Engineering Aspects (PDF 5.81MB)	1995
363.1	Seismic Vulnerability of the Alaskan Way Viaduct: WSDOT Typical Unit (PDF 18.2MB)	1995
362.1	I-90 Lane Conversion Evaluation (PDF 9.34MB)	1995
361.1	Seismic Vulnerability of Strutted-Column Bridge Bents (PDF 10.59MB)	1995
360.2	IVHS Data and Information Structure: Final Technical Report (PDF 11.15MB)	1995
360.1	IVHS Data and Information Structure: Final Summary Report (PDF 4.1MB)	1995
359.1	An Analysis of Factors Accounting for Successes and Failures in the Acceptance and Utilization of Employer TDM Programs by Employers (PDF 11.85MB)	1995
358.1	Enhancing Contaminant Removal in Stormwater Detention Basins by Coagulation (PDF 242KB)	1995

357.1	Seismic Performance of Bridge Columns with Interlocking Spiral Reinforcement (PDF 37.3MB)	1994
356.1	Bridge No. 90/25: Lacey V. Murrow Bridge Replacement Expansion Joint Systems for the Transition Spans (PDF 40.18MB)	1994
355.1	An Assessment of Washington State Traveler Information Systems Based on a General ATIS Taxonomy (PDF 125.34MB)	1995
354.1	Development of a Transportation Data Center (PDF 1.2MB)	1994
353.4	Evaluation of Violation and Capture of Overweight Trucks: A Case Study (PDF 2.25MB)	1996
353.3	An Evaluation of County and City Road Weight Enforcement Efforts in the State of Washington (PDF 1.28MB)	1994
353.2	A Case Study of the Effectiveness of Washington's Fine System for Overweight Violations (PDF 61.5MB)	1994
353.1	A Case Study of Motor Vehicles Violating Special Weight Permits in the State of Washington (PDF 63.85MB)	1994
352.1	Development and Evaluation of an Incident Response Database for Washington State (PDF 8.25MB)	1995
351.2	An Analysis of Relationships Between Urban Form (Density, Mix, and Jobs: Housing Balance) and Travel Behavior (Mode Choice, Trip Generation, Trip Length, and Travel Time) (PDF 24.44MB)	1994
351.1	Relationships Between Land Use and Travel Behavior in the Puget Sound Region (PDF 2.06MB)	1994
350.1	Finite Element Study of the Rehabilitation of Faulted Portland Cement Concrete Pavements (PDF 1.62MB)	1994
349.1	Martin Way O'Xing Ceva-Crete Expansion Joint System, Bridge No. 5/337 E& W (PDF 475KB)	1994
348.1	Blast Densification for Mitigation of Dynamic Settlement and Liquefaction (PDF 3.5MB)	1994
347.1	Rubber Modified and PBA-6 Asphalt Binder Pavements: SR-5, Lewis County Line to SR-12 (PDF 512KB)	1994
346.1	Dowel Bar Retrofit: I-90, Kachess River to Yakima River (PDF 2.85MB)	1994
345.1	Potential of Automatic Vehicle Identification in the Puget Sound Area (PDF 843KB)	1994
344.1	ADS HDPE Sewer Pipe: I-90, Third Lake Washington Bridge Maintenance Facility (PDF 163KB)	1994
343.1	HOV Evaluation and Monitoring (PDF 5.54MB)	1994
342.1	An Evaluation of the Lift Axle Regulation (WAC 468-38-280) in Washington (PDF 4.62MB)	1994
341.1	Heavy Vehicles vs. Urban Pavements (PDF 1.43MB)	1993
340.2	Structural Response to Long-Duration Earthquakes: Final Technical Report (PDF 4.52MB)	1994
340.1	Structural Response to Long-Duration Earthquakes: Final Report (PDF 1.09MB)	1994
339.1	Local Background Levels of Carbon Monoxide in Urban Areas (PDF 3.18MB)	1994
338.1	On Site Treatment of Contaminated Soils Using Catalyzed Peroxide (PDF 1.2MB)	1994
337.1	Process Conditions for the Total Oxidation of Hydrocarbons (PDF 1.11MB)	1994
336.1	Sediment Basin Design Criteria (PDF 258KB)	1993
335.1	WSDOT Pavement Guide (contact library@wsdot.wa.gov)	1995
334.1	Road Rater Study (PDF 4.45MB)	1993
333.1	Seismic Response Spectra - Refinement (PDF 2.18MB)	1994
332.1	Investigation of GPS and GIS for Traveler Information (PDF 1.39MB)	1994

331.1	Ferry Wake Study: Final Report (PDF 1.92MB)	1993
330.1	Rubberized ACP Class "D": SR-520, Evergreen Point Bridge to SR-908 (PDF 383KB)	1994
329.1	Roadside Tire Noise (PDF 1.09MB)	1994
328.2	Analytical Modeling of Foundations for Seismic Analysis of Bridges: Final Technical Report (PDF 7.6MB)	1994
328.1	Analytical Modeling of Foundations for Seismic Analysis of Bridges: Final Report (PDF 1.44MB)	1994
327.2	Noise Mitigation Strategies: Final Technical Report (PDF 4.71MB)	1993
327.1	Noise Mitigation Strategies: Final Report (PDF 1.11MB)	1993
326.1	An Initial Evaluation of the WSDOT Quality Assurance Specifications for Asphalt Concrete (PDF 2.12MB)	1994
325.1	Crash Testing and Evaluation of a Low-Speed W-Beam Guardrail System (PDF 1.15MB)	1993
324.1	Foundation-Soil Interaction Analysis of Bridges--Volumes I and II (PDF 22.58MB)	1993
323.1	An Evaluation of Weather Information Technologies for Snow and Ice Control Operations (PDF 263KB)	1993
322.1	Toxicity of Additives Used to Control Odors in Recreational Vehicle Wastewater (PDF 3.16MB)	1994
321.2	Performance of Geotextile Separators (PDF 1.53MB)	1996
321.1	Performance of Geotextile Separators in Western Washington (PDF 98.59MB)	1994
320.3	Final Technical Report for Task A: Truck Loads and Flows (PDF 2.97MB)	1993
320.2	Truck Loads and Flows (PDF 777KB)	1993
320.1	Truck Flows and Loads for Pavement Management (PDF 1.25MB)	1993
319.1	Concrete Paving Blocks: An Overview (PDF 2.27MB)	1993
318.1	HOV Monitoring and Evaluation Tool (PDF 2.9MB)	1994
317.2	Recommended Congestion Monitoring Options for WSDOT: Final Report (PDF 1.5MB)	1994
317.1	Recommended Congestion Monitoring Options for WSDOT: Final Phase I Summary Report (PDF 646KB)	1994
316.2	Precipitation Identification for Hazard Reduction (PDF 1.04MB)	1994
315.2	The WSDOT Pavement Management System: Operational Enhancements (PDF 1.7MB)	1995
315.1	Statistical Methods for WSDOT Pavement and Material Applications (PDF 1.9MB)	1994
314.1	Summary of Truck Loading Patterns in Washington State (PDF 816KB)	1993
313.2	Appendices: Concrete Pumping Effects on Entrained Air-Voids (PDF 1.9MB)	1994
313.1	Concrete Pumping Effects on Entrained Air-Voids (PDF 3.2MB)	1994
312.1	Evaluation of Surface Friction Guidelines for Washington State Highways (PDF 1.82MB)	1993
311.2	Incident Management System Demonstration (PDF 769KB)	1993
310.1	Refertilization of Roadsides (PDF 4.85MB)	1994
309.3	Western States Transparent Borders Project: Final Report: Implementing Transparent Borders—Recommended Actions (PDF 1.01MB)	1994
309.2	Western States Transparent Borders Project: Institutional Barriers and Recommended Actions—Washington (PDF 3.43MB)	1993
309.1	Western States Transparent Borders Project: Description of Current State Practices—Washington (PDF 2.24MB)	1993
308.1	Development of Maintenance-Free Highway Safety Appurtenances (PDF 1.46MB)	1992
307.1	Truck Restriction Evaluation: The Puget Sound Experience (PDF 2.02MB)	1993
306.1	Fatigue Cracking in Modular Expansion Joints (PDF 1.48MB)	1993
305.3	Lateral-Load Response of Two Reinforced Concrete Piers (PDF 15.98MB)	1994
305.2	Lateral Load Response of a Reinforced Concrete Bridge (PDF 3.61MB)	1993

304.1	Special Noise Barrier Applications (PDF 2.57MB)	1993
303.1	Measurement and Source Apportionment of PM10 Roadway Emissions (PDF 1.81MB)	1994
302.1	Chemical Sealers as Corrosion Inhibitors: Naselle River Bridge 101/24 (PDF 374KB)	1993
301.4	HOV Improvements on Signalized Arterials in the Seattle Area. Volume IV, Simulation Planning and Evaluation (PDF 4.18MB)	1993
301.3	HOV Improvements on Signalized Arterials in the Seattle Area. Volume III, N.E. 85th HOV Study (PDF 2.67MB)	1993
301.2	HOV Improvements on Signalized Arterials in the Seattle Area. Volume II, State of the Art Review (PDF 1.42MB)	1993
301.1	HOV Improvements on Signalized Arterials in the Seattle Area. Volume I, 2 Case Studies (PDF 1.25MB)	1993
300.1	Improved Error Detection for Inductive Loop Sensors (PDF 389KB)	1993
299.1	Seismic Analysis of the Westbound Lanes of the I-90 Bridges Crossing Mercer Slough (PDF 2.44MB)	1994
298.1	Vehicle Occupancy Forecasting (PDF 3.45MB)	1994
297.1	Pilot Study of an Unstable Slope Management System (PDF 1.23MB)	1994
296.3	Automated Vessel Logs. Volume III, User's Guide for the Log Prototype (PDF 651KB)	1993
296.2	Automated Vessel Logs. Volume II, Technical Aspects of the Log Prototype (PDF 3.44MB)	1993
296.1	Automated Vessel Logs. Volume I (PDF 1.43MB)	1993
295.1	Prioritization of Capacity Improvements (PDF 4.43MB)	1995
294.1	An Economic Evaluation of a Multimodal Transportation System: Grain Transportation in Eastern Washington (PDF 3.08MB)	1993
293.2	Freeway and Arterial Integrated Control System: Final Report (PDF 866KB)	1993
293.1	Freeway and Arterial Integrated Control System: Final Technical Report (PDF 3.08MB)	1993
292.1	Improved Estimates of Travel Time from Real Time Inductance Loop Sensors (PDF 831KB)	1993
291.1	Maturity Value Determination for Fast Track Paving (PDF 309KB)	1992
290.1	Development of an Emergency Response Guide for Washington State Department of Transportation Highway Maintenance Managers (PDF 2.19MB)	1993
289.1	An Emergency Response Plan for Bridge Management (PDF 1.93MB)	1993
288.5	Freeway and Ramp Real Time Forecasting. Volume V, Short-Term Forecasts of Freeway Traffic Volumes and Lane Occupancies: Phase 2 (PDF 1.44MB)	1993
288.4	Freeway and Ramp Real Time Forecasting. Volume IV, Short-Term Forecasts of Freeway Traffic Volumes and Lane Occupancies: Phase 1 (PDF 2.03MB)	1993
288.3	Freeway and Ramp Real Time Forecasting. Volume III, Evaluation of a Predicting Algorithm for a Real-Time Ramp Control System (PDF 2.16MB)	1993
288.2	Freeway and Ramp Real Time Forecasting. Volume II, Application of Pattern Recognition to Forecast Congested Conditions on the Freeway for Use in Ramp Metering (PDF 2.12MB)	1993
288.1	Freeway and Ramp Real Time Forecasting. Volume I, Forecasting Freeway and Ramp Data for Improved Real-Time Control and Data Analysis: Summary Report (PDF 845KB)	1993
287.1	Turner Truck Impact on Washington State Bridges (PDF 900KB)	1992
286.1	Management of Hazardous Waste from Highway Maintenance Operations (PDF 2.28MB)	1993
285.2	A GIS Prototype Application for Monitoring Washington State Transportation Planning Studies (PDF 786KB)	1992

285.1	Using Geographic Information Systems for Regional Transportation Planning in a Growth Management Context (PDF 1.32MB)	1992
284.1	Incident Management Using Total Stations (PDF 1.04MB)	1992
283.1	Visual Perception of the Roadway and Roadside Elements by the Observer in Motion (PDF 720KB)	1992
282.1	Evaluation of the TRAF Family of Models: Testing of the CORFLO and FRESIM Models (PDF 367KB)	1992
281.1	HOV Lane Enforcement Evaluation (PDF 1.34MB)	1993
280.1	Performance of Geotextile Separators--Phase I (PDF 4.29MB)	1991
279.1	Darex Corrosion Inhibitor: Niawiakum River Bridge 101/42 and Palix River Bridge 101/40 Replacement (PDF 455KB)	1992
278.1	Linking Land Use and Transportation: Design Strategies to Serve HOVs and Pedestrians (PDF 4.97MB)	1991
277.1	Fare-Free Policy: Costs, Impacts on Transit Service, and Attainment of Transit System Goals (PDF 2.67MB)	1994
276.1	The Effect of Roadway Wear on Tire Noise (PDF 1.93MB)	1992
275.1	Overweight Container Study (PDF 4.94MB)	1992
274.1	The WSDOT Pavement Management System--A 1993 Update (PDF 4.45MB)	1993
273.1	Use of Automatic Vehicle Identification Techniques for Measuring Traffic Performance and Performing Incident Detection (PDF 2.68MB)	1992
272.1	CONTECH A-2000 PVC Sewer Pipe: SR-2, Sunnyslope Vicinity (PDF 129KB)	1992
271.1	Lateral Capacity of WSDOT Bearing Anchor Bolt Details (PDF 1.08MB)	1992
270.2	Development of an Unstable Slope Management System. Appendix A (PDF 3.83MB)	1991
270.1	Development of an Unstable Slope Management System (PDF 608KB)	1991
269.2	Evaluation of Tieback Performance. Appendix A, Summary of Tieback Observations (PDF 5.18MB)	1993
269.1	Evaluation of Tieback Performance (PDF 1.76MB)	1993
268.1	Rubber-Asphalt Pavements in the State of Washington (PDF 399KB)	1992
267.3	Design Criteria for Outer Structures at Ferry Landings (PDF 834KB)	1994
267.2	Ferry Landing Design Criteria II: Vessel Characteristics and How They Influence Ferry Landing Design (PDF 52.58MB)	1993
267.1	Ferry Landing Design Criteria II: Vessel Tracking Methods for Ferry Landing Design (PDF 5.26MB)	1993
266.1	Multi-Level Roadway Noise Abatement (PDF 757KB)	1992
265.1	Preliminary Investigation of the Seismic Vulnerability of the Alaskan Way Viaduct (PDF 2.27MB)	1992
264.1	Seismic Response--Foundations in Soft Soil (PDF 3.33MB)	1993
263.1	Evaluation of Transportation Demand Management Programs at Residential Developments (PDF 4.8MB)	1991
262.2	Analysis of Particulate Matter Dispersion Near Urban Roadways: A Summary (PDF 387KB)	1992
262.1	Analysis of Particulate Matter Dispersion Near Urban Roadways: Final Technical Report (PDF 1.52MB)	1992
261.3	A Summary of Guidelines for Coordinated Urban Design, Transportation and Land Use Planning, With an Emphasis on Encouraging Alternatives to Driving Alone (PDF 575KB)	1992
261.1	A Strategic Plan for Researching Urban Form Impacts on Travel Behavior (PDF 927KB)	1992
259.2	1993 Tour of Modified Binder Pavements (PDF 982KB)	1994

259.1	1991 Tour of Modified Binder Pavements (PDF 333KB)	1992
258.2	Automated Vehicle Delay Estimation and Motorist Information at The U.S./Canadian Border: A Summary (PDF 934KB)	1992
258.1	Automated Vehicle Delay Estimation and Motorist Information at The U.S./Canadian Border (PDF 3.14MB)	1992
257.1	Performance of a 41-Foot-High Geotextile Wall (PDF 1.37MB)	1992
256.1	Crack Sealing: Effectiveness (PDF 338KB)	1992
255.1	Seismic Retrofitting of Rectangular Bridge Column for Shear (PDF 972KB)	1992
254.1	Performance Monitoring: A Framework for Further Research (PDF 994KB)	1992
253.2	Ferry Landing Design, Phase I: Final Technical Report (PDF 67.65MB)	1993
253.1	Ferry Landing Design, Phase I: Final Report (PDF 904KB)	1993
252.3	Use of Recycled Materials in Highway Construction. Appendix I, Database of Recycled Materials Suppliers and Vendors (PDF 1.32MB)	1992
252.2	Use of Recycled Materials in Highway Construction. Appendix G, Specifications for Recycled Materials (PDF 5.36MB)	1992
252.1	Use of Recycled Materials in Highway Construction (PDF 1.05MB)	1992
251.1	Local Option Commercial Parking Tax Analysis (PDF 4.35MB)	1992
250.1	A Method to Identify, Inventory, and Map Wetlands Using Aerial Photography and Geographic Information Systems (PDF 1.05MB)	1991
249.1	Localized Scour at Bridge Piers on Graded Particle Streambeds (PDF 1.17MB)	1991
248.1	Bridge No. 513/32, SR 5 Overcrossing NE 145th Street, High Early Strength Latex Modified Concrete Overlay (PDF 580KB)	1991
247.2	Comprehensive System-Level Noise Reduction Strategies: Final Technical Report (PDF 16.28MB)	1991
247.1	Comprehensive System-Level Noise Reduction Strategies: Final Report (PDF 1.43MB)	1991
246.1	Constructability Improvement of Highway Projects in Washington (PDF 2.01MB)	1991
245.1	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)	1991
244.1	Thin Overlay, Custer Way Undercrossing 5/316 (PDF 639KB)	1991
243.1	Thin Overlay South 154th Street Overcrossing 5/523 E (PDF 491KB)	1991
242.2	1991 State Fee and Fine Regulations for Overweight Vehicles: A National Survey (PDF 1.68MB)	1991
242.1	A Preliminary Evaluation of the Equity of the Truck Fee and Fine System in Washington (PDF 3.08MB)	1991
241.1	Ferry Watch Scheduling Prototype and Recommended Future Work (PDF 2.73MB)	1992
240.2	Real-Time Motorist Information for Reducing Urban Freeway Congestion: Commuter Behavior, Data Conversion and Display, and Transportation Policy: Final Report (PDF 1.04MB)	1992
240.1	Real-Time Motorist Information for Reducing Urban Freeway Congestion: Commuter Behavior, Data Conversion and Display, and Transportation Policy: Final Technical Report (PDF 4.55MB)	1992
239.1	Long-Term Performance Evaluation of Wood Fibre Fills (PDF 1.63MB)	1992
238.1	Operational Analysis of the I-405 HOV System (PDF 5.8MB)	1992
237.1	San Juan Ferries Reservation Program Feasibility Study (PDF 2.76MB)	1991
236.1	Analysis of Employer-Based High Occupancy Vehicle (HOV) Policies in the Interstate 5 Corridor Between Seattle and Everett (PDF 2.11MB)	1992

235.1	Monitoring the Performance of the Washington State Transportation Policy Plan (PDF 2.31MB)	1991
234.1	Thin Overlay: SR 5 OC Bridge 900/12W, SR 5 OC Bridge 900/13W (PDF 1.06MB)	1991
233.1	Design Response Spectra for Washington State Bridges (PDF 630KB)	1989
232.1	Traffic Impacts During the Goodwill Games (PDF 2.03MB)	1991
231.1	Prediction of Precipitation in Western Washington State (PDF 1.37MB)	1991
230.1	Compaction Control of Granular Soils (PDF 729KB)	1991
229.1	1989 Westside Chip Seal Study (PDF 734KB)	1994
228.1	Seismic Durability of Retrofitted R.C. Columns (PDF 1.55MB)	1991
227.1	Bridge Approach Slab Effectiveness (PDF 5.85MB)	1991
226.2	An Evaluation of Granular Overlays in Washington State--A Summary (PDF 1.42MB)	1991
226.1	An Evaluation of Granular Overlays in Washington State: Final Technical Report (PDF 3.44MB)	1991
225.1	Incident Response Guide: Office Reference (PDF 814KB)	1991
224.2	A Framework for Developing Incident Management Systems: A Summary (PDF 832KB)	1991
224.1	Framework for Developing Incident Management Systems (PDF 11.39MB)	1991
223.1	Freeway Incident Management for Medium-Sized Urban Areas (Phase II) (PDF 1.67MB)	1991
222.1	Martin Way O'Xing Ceva-Crete Expansion Joint System: Bridge No. 5/337 E & W (PDF 519KB)	1990
221.2	Development of Incident Management Systems: The Seattle Case History (PDF 6.93MB)	1991
221.1	Incident Management Systems Framework: Impacts of Service Patrols (PDF 1.08MB)	1991
220.1	Moment-Reducing Hinge Details for the Bases of Bridge Columns (PDF 803KB)	1990
219.2	WSDOT Traffic Forecasting Guide. Volume 2 - Forecasting Instructions (PDF 2.99MB)	1991
219.1	WSDOT Traffic Forecasting Guide. Volume 1- Introduction to the Forecasting Process (PDF 2.99MB)	1991
218.1	Analysis of WSDOT Construction Cost Overruns (PDF 1.5MB)	1991
217.1	Bridge Seismic Retrofit Planning Program (PDF 1.98MB)	1991
216.1	Development of Standard Specifications for Bending/Straightening Concrete Reinforcing Steel (PDF 1.08MB)	1991
215.1	Behavior of Piles in Full-Scale, Field Lateral Loading Tests (PDF 5.91MB)	1991
214.1	Pavement Rehabilitation Research (PDF 4.31MB)	1990
213.1	Predictive Algorithm Improvements for a Real-Time Ramp Control System (PDF 1.17MB)	1991
212.1	Weather Forecasting Strategies for City and County Road Maintenance Operations (PDF 1.66MB)	1990
210.1	HOV Improvements on Signalized Arterials: State of the Art Review (PDF 1.4MB)	1990
209.1	State Level Transportation Applications Using TIGER (PDF 819KB)	1990
208.1	Detector Data Validity (PDF 1.95MB)	1990
207.2	Boulder Creek Flood Potential: Technical Report (PDF 2.01MB)	1989
207.1	Boulder Creek Flood Potential: Final Report (PDF 992KB)	1989
206.1	Procedure for Predicting and Estimating the Impact of Rail Line Abandonments on Washington Roads (PDF 980KB)	1989
205.2	HOV Compliance Monitoring and the Evaluation of the Hero Hotline Program: Final Technical Report (PDF 4.19MB)	1990
205.1	HOV Compliance Monitoring and the Evaluation of the Hero Hotline Program: Final Summary Report (PDF 1.29MB)	1990
204.5	Generation and Assessment of Incident Management Strategies. Volume IV: Seattle-Area Incident Management--Assessment and Recommendations (PDF 562KB)	1990

204.4	Generation and Assessment of Incident Management Strategies. Volume III: Seattle-Area Incident Impact Analysis--Microcomputer Traffic Simulation Results (PDF 3.17MB)	1990
204.3	Generation and Assessment of Incident Management Strategies. Volume II: Analysis of Freeway Incidents in the Seattle Area (PDF 2.24MB)	1990
204.2	Generation and Assessment of Incident Management Strategies. Volume I: Management, Surveillance, Control, and Evaluation of Freeway Incidents (PDF 1.11MB)	1990
204.1	Generation and Assessment of Incident Management Strategies: Summary Report (PDF 460KB)	1990
203.2	Prediction of Snow Avalanches in Maritime Climates: Technical Report (PDF 4.09MB)	1989
203.1	Prediction of Snow Avalanches in Maritime Climates: Final Report (PDF 1.75MB)	1989
202.1	Urban Interstate Portland Cement Concrete Rehabilitation Alternatives for Washington State (PDF 7.3MB)	1991
201.1	Evaluation of the Performance of Cold-Mix Recycled Asphalt Concrete Pavement in Washington (PDF 1.26MB)	1989
200.2	Highway Construction Site Erosion and Pollution Control Manual: Implementation Manual (PDF 802KB)	1989
200.1	Improving the Cost Effectiveness of Highway Construction Site Erosion and Pollution Control (PDF 12.39MB)	1990
199.1	68th Annual TRB Meeting: Annual Report (PDF 2.8MB)	1988
198.1	Carbon Black Additive in Asphalt: SR-290, Spokane Vicinity, Flora Road to Idaho State Line (PDF 492KB)	1989
197.1	Freeway Incident Management in the Spokane Area (PDF 968KB)	1989
195.1	Guide for Wetland Mitigation Project Monitoring (PDF 5.98MB)	1989
194.1	Clear Zones for Local Agencies (PDF 1.22MB)	1989
193.1	Ferry Pricing Strategies Analysis (PDF 2.08MB)	1989
192.1	Estimating Statewide Vehicle-Miles of Travel: State of the Art Review (PDF 1.87MB)	1987
189.1	Psychological Aspects of Mode Choice (PDF 4.18MB)	1989
188.2	Arterial Control and Integration (PDF 1.22MB)	1990
188.1	Evaluation of the Bellevue UTCS 1.5 Signal Control System (PDF 1.32MB)	1990
187.2	Improving Motorist Information Systems: Towards a User-Based Motorist Information System for the Puget Sound Area (PDF 1.27MB)	1990
187.1	Improving Motorist Information Systems: Towards a User-Based Motorist Information System for the Puget Sound Area (PDF 5.16MB)	1990
186.1	Application of Fiber Reinforced Plastic Rods as Prestressing Tendons in Concrete Structures (PDF 1.3MB)	1989
185.1	Rubber Asphalt Binder "Stress Absorbing Membrane Interlayer" (PDF 479KB)	1989
184.1	Inlaid Traffic Lane Lines: I-90, Edgewick Road to Hyak (PDF 1.17MB)	1989
183.1	A Forecasting Model for Grain Transportation Planning in Washington State (PDF 1.57MB)	1987
182.1	Washington State Department of Transportation Weigh-In-Motion Needs and Potential Data Collection Plans (PDF 865KB)	1989
181.1	Development of Durable Anchorage Systems for Bridge Expansion Joints (PDF 1.63MB)	1989
180.1	Automated Collision Diagram Production (PDF 1.86MB)	1989
179.1	New Transportation Revenue Sources for Washington State (PDF 2.36MB)	1989
178.1	Scour at Bridge Piers (PDF 414KB)	1988
177.1	Extending Applications of Value Engineering Within WSDOT (851KB)	1988
176.1	PCC Mix Design (PDF 1.71MB)	1989

175.1	Fabric Reinforcement to Prevent Reflection Cracking (PDF 76KB)	1989
174.1	Weather Forecasting Strategies for Highway Snow-and-Ice Control Maintenance Operations (PDF 602KB)	1989
173.1	Rest Area Usage Design Criteria Update (1.32MB)	1989
172.1	Seismic Zonation for Highway Bridge Design (PDF 3.63MB)	1988
171.1	Freeway and Arterial Management Effort (FAME) Research Plan (PDF 999KB)	1988
170.2	An Overview of Recent WSDOT Pavement Design Research and Implementation Efforts (PDF 282KB)	1992
170.1	Mechanistic-Based Overlay Design Procedure for Washington State Flexible Pavements (PDF 1.11MB)	1989
169.1	The Evaluation of the Expert System for Pavement Evaluation and Rehabilitation (EXPEAR) in Washington State (PDF 15.14MB)	1989
168.3	Grouting Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 73KB)	1988
168.2	Bending/Straightening Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 120KB)	1988
168.1	Bending/Straightening and Grouting Concrete Reinforcing Steel: Review of WSDOT's Specifications and Proposed Modifications (PDF 2.31MB)	1988
166.1	Bridge Standards--Local Governments (PDF 1.09MB)	1988
165.1	Asphalt Extraction Study (PDF 889KB)	1988
164.1	Burlington Northern Railroad Overcrossing Bridge, Microsilica Modified Concrete Overlay Bridge No. 5/718W (PDF 2.75MB)	1989
163.1	Comparison of Methods for Estimating Pile Capacity (PDF 1.44MB)	1988
162.1	Regional Computer Assisted Cartography Conferences: Summary (PDF 7.36MB)	1988
161.2	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)	1988
161.1	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)	1988
160.1	An Evaluation of Flagging Techniques and Devices on Two-Lane Highway Construction Zones (PDF 2.04MB)	1988
159.1	Driver Information Services: The Feasibility of Using Local Access Cable TV (PDF 1.88MB)	1988
158.1	Shaking Table Tests on Piles (PDF 1.75MB)	1988
157.1	Auto Occupancy Monitoring Study (PDF 1.89MB)	1988
156.2	Traffic and Safety Analysis Procedures: Final Report (PDF 787KB)	1988
156.1	Traffic and Safety Procedure: Project Report on the Safety and Accident Procedures (PDF 2.5MB)	1988
155.1	Design of Continuous Bridges Using Precast, Prestressed Concrete Girders Without End Blocks (PDF 14.93MB)	1987
154.1	Highway Research Design Guide (PDF 2.39MB)	1988
153.1	Development of P-Y Curves for Analysis of Laterally Loaded Piles in Western Washington (PDF 2.76MB)	1988
152.1	Development of a Bridge Deck Management System for the Washington State Department of Transportation (PDF 1.45MB)	1988
151.1	Gabion Wall Soil Interaction Study: I-90, Snoqualmie Pass Vicinity (PDF 1.07MB)	1988

150.1	Closed Circuit Television System for Incident Identification and Verification: I-5, Seattle Freeway System (PDF 216KB)	1988
149.1	Pacific Avenue O'Xing Evazote 50 Expansion Joint Seal, Bridge No. 5/332 (PDF 811KB)	1990
148.1	Thin Overlay: Naches River Bridge 82/115S, Yakima River Bridge 82/114S (PDF 1.06MB)	1988
147.1	PlusRide and Bonifibers Pavement Evaluation: SR-530, Stanwood Vicinity (PDF 854KB)	1987
146.1	Stress Wave Inspection of Bridge Timbers and Decking (PDF 2.59MB)	1987
145.2	Design Guide for Cut Slopes in Loess of Southeastern Washington (PDF 1.93MB)	1987
145.1	Engineering Design in Loess Soils of Southeastern Washington (PDF 1.95MB)	1987
144.1	Maintenance of Aggregate and Earth Roads (PDF 4.24MB)	1987
143.2	Regression Analysis for WSDOT Material Applications (PDF 1.9MB)	1988
143.1	Pavement Performance Equations (PDF 1.9MB)	1988
141.1	Testing of the French Piezo-Electric Cable Weigh-In-Motion (WIM) Truck Scale (PDF 3.94MB)	1987
140.1	Traffic Sign Retroreflectivity Measurement Using Human Observers (PDF 8.56MB)	1987
139.1	Investigation of Job Attitudes for Journey-Level Engineering Technicians and Transportation Engineers (PDF 3.58MB)	1987
138.1	Seismic Response of Tieback Retaining Walls (Phase I) (PDF 1.28MB)	1987
137.1	Evaluation of Concrete Overlays for Bridge Applications (PDF 1.75MB)	1987
136.1	Asphalt Seal Coats: Factors Affecting and Techniques for Obtaining Consistently Good Seal Coats (PDF 844KB)	1987
135.1	A Review of Impacts on Washington County Roads of Grain Transportation Changes (PDF 858KB)	1987
134.1	Double Bottom Truck Accidents on Interstate 90: Project Report (PDF 229KB)	1987
133.1	Fiber Reinforced Asphalt Concrete Pavements - City of Tacoma (PDF 562KB)	1987
132.1	Internally Sealed Concrete Using Wax Beads (PDF 696KB)	1987
131.1	Asphalt-Rubber Open-Graded Friction Course, I-5, Vancouver Vicinity (PDF 274KB)	1987
130.2	PlusRide Asphalt Concrete Pavement - SR 405, Contract 2768, S Curve/Cedar River Bridge and RR Bridge (PDF 94KB)	1990
130.1	PlusRide Asphalt Pavement - SR 405, Contract 2768, S Curve/Cedar River Bridge and RR Bridge (PDF 914KB)	1987
129.1	Acoustic Characteristics of Roadway Surfaces (PDF 8.02MB)	1987
128.1	Asphalt-Rubber Binder Stress Absorbing Membrane Interlayer: Wheeler I/C to Adams Co. Line, I-90 (PDF 253KB)	1987
127.1	PlusRide Asphalt Pavement, SR-82, Contract 2318, Bridge No. 82/205 et al. (PDF 326KB)	1987
126.1	Changes in Intermodal Transportation in Washington and Impacts on Road Infrastructure (PDF 1.4MB)	1987
125.1	Inexpensive Travel Demand Techniques (PDF 1.25MB)	1987
124.1	Bridge Deck Moisture Measurement: Final Report (PDF 546KB)	1987
123.1	Bridge - Standard Systems (PDF 940KB)	1987
121.2	An Evaluation of the Cost Effectiveness of HOV Lanes: Technical Report (PDF 3.02MB)	1988
121.1	An Evaluation of the Cost Effectiveness of HOV Lanes: Final Report (PDF 902KB)	1987
120.1	The Washington State Transport-Oriented Input-Output Study for 1982 (PDF 1.83MB)	1987
119.1	Concrete Barrier End Treatment-Low Speed (PDF 859KB)	1987
118.1	Riverbed Scour at Bridge Piers: Final Report (PDF 1.38MB)	1987
117.1	Asphalt Concrete Class D, Bridge Deck Overlays: Data and Comment (PDF 7.6MB)	1984

116.1	Asphalt Pavement Distress Investigation: Final Report (PDF 1.82MB)	1979
115.2	Evaluation of Delineation Systems for Temporary Traffic Barriers in Work Zones: Executive Summary (PDF 493KB)	1987
115.1	Evaluation of Delineation Systems for Temporary Traffic Barriers in Work Zones: Final Report (PDF 2.58MB)	1987
114.1	Grays River Bridge at Rosburg, Thin Overlay: Bridge No. 403/7, Post Construction Report (PDF 1.11MB)	1986
113.1	CMA Research in Washington State (PDF 11.51MB)	1984
112.3	Ferry Systems Data, Scheduling and Billing: Final Report on Automated Vehicle Toll Collection (PDF 942KB)	1988
112.2	Ferry Systems Data, Scheduling and Billing. Scheduling Systems Analysis: Final Report, Research Project Y-3399, Task 11 (PDF 1.42MB)	1987
112.1	Ferry Systems Data, Scheduling and Billing. Data Analysis: Final Report, Research Project Y-3399-11 (PDF 1.12MB)	1987
111.1	National Experimental and Evaluation Program, Washington State's Experience (PDF 438KB)	1987
110.1	Improved Joint Sealant Materials for Concrete Pavements: I-90, Snoqualmie Pass: Post Construction Report, FHWA Experimental Project No. 8 (PDF 438KB)	1987
109.1	Telecommunications Link Implementation: Final Report (PDF 986KB)	1987
108.1	Microcomputer Conversion of Washington State Pavement Management System for Cities and Counties: Final Report (PDF 1.32MB)	1987
107.1	Flexolith Overlay: Experimental Feature WA 84-02, Post Construction Report (PDF 1.85MB)	1987
106.2	Traffic Barrier Systems Service Level 1 (SL-1) Bridge Rail: Final Report, FHWA Demonstration Project No. 64 (PDF 167KB)	1988
106.1	Traffic Barrier Systems Service Level 1 (SL-1) Bridge Rail: Initial Report, FHWA Demonstration Project No. 64 (PDF 432KB)	1987
105.1	Chemical Sealers as Corrosion Inhibitors: Naselle River Bridge 101/24 (PDF 432KB)	1987
104.1	Effectiveness of Darex Corrosion Inhibitor in Preventing Concrete Deterioration: Final Report, Experimental Feature WA 81-01 (PDF 927KB)	1987
103.1	Highway Advisory Radio, I-90, Snoqualmie Pass: Final Report, Experimental Feature WA 77-03 (PDF 213KB)	1987
102.1	Changeable Message Sign, I-5, Vancouver Freeway: Final Report, Experimental Feature WA75-02 (PDF 257KB)	1987
101.1	Snake River Bridge Thin Overlay, Bridge No. 12/915: Post Construction Report, Experimental Project WA 86-02 (PDF 892KB)	1987
100.1	Pricing policy for the Washington State Ferry System (PDF 2.4MB)	1987
99.1	Eastbound SR 520: Impacts of Freeway Surveillance and Control (PDF 1.61MB)	1987
98.2	Hot Mix Recycling Evaluation in Washington: Appendix, Project Evaluations (PDF 1.75MB)	1986
98.1	Hot Mix Recycling Evaluation in Washington (PDF 576KB)	1986
97.1	Technology Transfer: A Strategy for Innovation Adoption at the Washington State Department of Transportation (PDF 2.45MB)	1986
96.1	Assessment of Median Barriers (PDF 1.2MB)	1986
95.1	Evaluation of Half-Cell Corrosion Detection Test for Concrete Bridge Decks (PDF 1.79MB)	1986
94.1	Cost Effectiveness of Park-and-Ride Lots in the Puget Sound Area (PDF 5.56MB)	1986

93.1	Concrete Overlays for Bridges (PDF 1.17MB)	1986
92.1	Truck Weight Using the FHWA Bridge Weigh-In-Motion (WIM) System (PDF 2.41MB)	1987
91.1	Diagnosis and Prediction of Precipitation in Regions of Complex Terrain (PDF 2.88MB)	1986
90.1	Growth Characteristics of Hoarfrost with Respect to Avalanche Occurrence (PDF 986KB)	1986
89.1	Database Management System (PDF 696KB)	1986
88.1	Evaluation of the Effects of Closing Interstate 5 Lanes and Ramps (PDF 1.25MB)	1986
87.2.2	Demonstration Project No. 34, Cathodic Protection for Reinforced Concrete Bridge Decks, Yakima River Bridge No. 24/5 (PDF 210KB)	1988
87.2.1	Cathodic Protection Check-Out: SR 24, Yakima River Bridge (PDF 1.6MB)	1986
87.2	Demonstration Project No. 34: Cathodic Protection for Reinforced Concrete Bridge Decks: Yakima River Bridge No. 24/5 (PDF 1.85MB)	1986
87.1.1	Cathodic Protection and Corrosion Monitoring Check - Out: I-405 - SR 522 Interchange, Woodinville, Washington (PDF 1.57MB)	1986
87.1	Demonstration Project No. 34, Cathodic Protection for Reinforced Concrete Bridge Decks, Woodinville Interchange Bridge No. 522/30 ES (PDF 1.23MB)	1986
86.1	Use of Video Data Acquisition for Structural Inspection (PDF 2.01MB)	1986
85.1	Evaluating the Effectiveness of Liquid Anti-Strip Additives in Asphalt Cement (PDF 1.3MB)	1985
84.1	Determination of the Capability of a Side Bearing Block Foundation as a Fixed Support to Resist Overturning (PDF 2.86MB)	1986
83.1	Statewide Highway Data Rationalization Study (PDF 3.28MB)	1986
82.1	Impact on Washington Highways of Grain Transportation Changes (PDF 1.85MB)	1986
81.1	Design of Prestressed Concrete Girders Without End Blocks (PDF 12.67MB)	1986
80.2	A Research Summary Report -- Guidelines for Spring Highway Use Restrictions (PDF 851KB)	1986
80.1	Guidelines for Spring Highway Use Restrictions (PDF 73.34MB)	1985
79.1	Pavement Management System: Demonstration for Washington Counties (PDF 1.6MB)	1986
78.2	Operations and Maintenance Manual: Pavement Test Track Instrumentation System (PDF 3MB)	1985
78.1	Pavement Test Track Instrumentation System Documentation (PDF 840KB)	1985
77.2	Operations and Maintenance Manual, Computerized Pavement Condition Survey Unit (PDF 7.91MB)	1985
77.1	Computerized Pavement Condition Survey Unit (PDF 1.04MB)	1985
76.1	Evaluation of Induction Loop Installation Procedures in Flexible Pavements (PDF 1.91MB)	1985
75.1	Effectiveness of Concrete Bridge Deck Asphalt-Membrane Protection (PDF 14.28MB)	1986
74.1	Preliminary Investigation of Sewage Sludge Utilization in Roadside Development (PDF 2.13MB)	1985
73.1	Bridge Deck Program Development (PDF 3.67MB)	1985
72.3	Suggested Revisions to WSDOT Manuals for Implementing Washington State Highway Runoff Water Quality Research Results (PDF 221KB)	1985
72.2	Washington State Highway Runoff Water Quality Research Implementation Manual. Vol. 2, Basis of Water Quality Criteria (PDF 1.94MB)	1985
72.1	Washington State Highway Runoff Water Quality Research Implementation Manual. Vol. 1, Water Quality Criteria (PDF 877KB)	1985
70.1	Ferry Wake Study (PDF 1.59MB)	1985

69.1	Development of Guidelines for Cuts in Loess Soils (Phase I) (PDF 14.63MB)	1985
68.1	Development of Guidelines for Construction Control of Pile Driving and Estimation of Pile Capacity (Phase I) (PDF 2.86MB)	1985
67.2	A Research Summary Report: The Evaluation of Frost Related Effects on Pavements (PDF 566KB)	1985
67.1	Evaluation of Frost Related Effects on Pavements (PDF 16.67MB)	1985
66.1	The Feasibility of Light Rail Transit for Spokane (PDF 1.75MB)	1985
65.3	Development and Implementation of Overlay Design Procedure, Interim Report No. 2: Asphalt Concrete Stiffness Temperature Relationships and Pavement Distress Modeling (PDF 4.5MB)	1985
65.2	State of the Art on Pavement Overlay Design Procedures. Vol. II, Annotated Bibliography (PDF 4.76MB)	1983
65.1	State of the Art on Pavement Overlay Design Procedures. Vol. I, State-of-the-Art Review and Research Plan (PDF 3.33MB)	1983
64.1	Effectiveness of Wildlife Warning Reflectors in Reducing Deer-Vehicle Accidents in Washington State (PDF 782KB)	1984
63.1	Telecommunications Link: Traffic Systems Management Center and University of Washington (PDF 1.05MB)	1984
62.1	Feasibility Study of a Pavement Management System for Washington Counties (PDF 2.46MB)	1984
61.1	Performance Evaluation of Waterproofing Membrane Protective Systems for Concrete Bridge Decks (PDF 7.24MB)	1983
60.1	Recreational Vehicle Waste Disposal Stations at Highway Rest Areas (PDF 5.47MB)	1983
59.2	Evaluation of Present Legislation and Regulations on Tire Sizes, Configurations and Load Limits: Executive Summary (PDF 662KB)	1983
59.1	Evaluation of Present Legislation and Regulations on Tire Sizes, Configurations and Load Limits (PDF 4MB)	1983
58.1	An Investigation of Thermal and Live Load Stresses in Denny Creek Viaduct (PDF 5.52MB)	1983
57.2	Transit System Performance Evaluation Methodology for Washington State (PDF 310KB)	1983
57.1	Transit System Performance Evaluation Methodology for Washington State: Final Report (PDF 9.46MB)	1983
56.3	Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: SR 270 Highway Pavement Performance Report (PDF 3.89MB)	1982
56.2	Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: Test Track Pavement Performance Report (PDF 1.19MB)	1982
56.1	Sulfur Extended Asphalt Pavement Evaluation in the State of Washington: Design and Construction Report (PDF 3.14MB)	1981
55.1	Deterioration of Concrete Bridge Decks and Review of the WSDOT Bridge Deck Program (PDF 3.18MB)	1982
54.1	Impacts of Land Use Changes on Major Highway Facilities: Alternative Approaches to Their Mitigation (PDF 2.75MB)	1982
53.3	Sulfur Extended Asphalt Pavement Evaluation (PDF 276KB)	1982
53.2	Sulfur Extended Asphalt Laboratory Investigation--Mixture Characterization (PDF 11.96MB)	1982
53.1	Sulfur Extended Asphalt Availability of Sulfur (PDF 1.7MB)	1982
52.1	Public Information Dissemination in the State of Washington (PDF 2.55MB)	1982

51.1	Transit System Performance Evaluation Methodology: An Interim Draft Report (PDF 2.53MB)	1982
50.3	Development and Implementation of Washington State's Pavement Management System: Executive Summary (PDF 399KB)	1983
50.2	Development and Implementation of Washington State's Pavement Management System - Summary (PDF 1.25MB)	1982
50.1	Development and Implementation of Washington State's Pavement Management System (PDF 6.41MB)	1982
49.1	Changes in Recreational Travel in Washington State (PDF 1.6MB)	1982
48.1	Small Car Accident Experience in Washington State (PDF 891KB)	1982
47.1A	Transportation Problems Associated with Uneven Growth Rates in Separate Jurisdictions: A Case Study in Portland and Vancouver (PDF 8.75MB)	1982
47.1	Transportation Problems Associated with Uneven Growth Rates: A Case Study in Portland and Vancouver (PDF 9.06MB)	1982
46.1	Permanent Lane Marking (Recessed Lane Edge Stripe) (PDF 1.07MB)	1981
45.2	Impacts of Truck and Railroad Deregulation on Transportation Operations and Economic Activity in the State of Washington - Final Report (PDF 1.62MB)	1982
45.1	Impacts of Truck and Railroad Deregulation on Transportation Operations and Economic Activity in the State of Washington - Phase I, Report (PDF 1.97MB)	1981
44.5	Evergreen Point Bridge Maintenance Problems, (Fourth Annual Report) (PDF 1.76MB)	1978
44.4	Evergreen Point Bridge Maintenance Problems, (Third Annual Report) (PDF 731KB)	1977
44.3	Evergreen Point Bridge Maintenance Problems, (Second Annual Report) (PDF 2.68MB)	1976
44.2	Evergreen Point Bridge Maintenance Problems, (First Annual Report) (PDF 1.14MB)	1975
44.1	Evergreen Point Bridge Maintenance Problems (PDF 691KB)	1980
43.2	An Analysis of the Socio-Economic Characteristics of the Study Area for a Study of the Allocation of Transportation Resources (PDF 1.7MB)	1982
43.1	A Study of the Allocation of Transportation Resources Through the Evaluation of the Effectiveness of Transportation Services (PDF 1.52MB)	1982
42.3	Response of Washington State Residents to Changing Transportation Conditions (PDF 2.96MB)	1984
42.2	Response of Washington State Residents to Higher Transportation Costs and Energy Shortages (PDF 2.45MB)	1981
41.1	Biodegradable Containers for Use in Revegetation of Highway Right-of-Way (PDF 507KB)	1981
40.1	Load Restriction Determination Study (PDF 717KB)	1980
39.16	Summary -- Highway Runoff Water Quality Study, 1977-1982 (PDF 5.77MB)	1982
39.15	Impacts of Channel Reconstruction in the Pilchuck River (PDF 630KB)	1982
39.14	Guide for Water Quality Impact Assessment of Highway Operations and Maintenance (PDF 2.75MB)	1982
39.13	Year 4, Runoff Water Quality, August 1980-August 1981 (PDF 499KB)	1981
39.12.1	Assessment of Pollutant Loadings and Concentrations in Highway Stormwater Runoff (PDF 956KB)	1983
39.12	Highway Runoff in Washington State: Model Validation and Statistical Analysis (PDF 1.2MB)	1982
39.11	Effects of Seattle Area Highway Stormwater Runoff on Aquatic Biota (PDF 1.12MB)	1982
39.10	Transport Deposition and Control of Heavy Metals in Highway Runoff (PDF 776KB)	1979
39.9	A Survey of Trace Organics in Highway Runoff in Seattle, Washington (PDF 834KB)	1980

39.8	Views of Risk and Highway Transportation of Hazardous Materials - A Case Study in Gasoline (PDF 1.18MB)	1981
39.7	Year 3 - Runoff Water Quality, August 1979 - August 1980 (PDF 423KB)	1981
39.6	Characterization of Highway Runoff in Washington State (PDF 857KB)	1980
39.5	Criteria and Requirements for Statewide Highway Runoff Monitoring Sites (PDF 793KB)	1979
39.4	Composite Sampling of Highway Runoff: Year 2 (PDF 475KB)	1979
39.3	Highway Runoff Monitoring: The Initial Year (PDF 1.59MB)	1978
39.2	Effects of Velocity and Nutrient Alterations on Stream Primary Producers and Associated Organisms (PDF 1.58MB)	1978
39.1	Water Quality Impacts Associated with Leachates from Highway Woodwastes Embankments (PDF 761KB)	1980
38.1	Monitoring by Aerial and Terrestrial Photogrammetry (PDF 1.93MB)	1979
37.1	Impact of Highway Improvements on Property Values in Washington (PDF 5.24MB)	1980
36.1	Pavement Testing and Analysis of Heavy Hauls for SR 12 (PDF 1.75MB)	1979
35.1	Use of Volume Data to Reproduce Ramp-to-Ramp Freeway Trip Patterns - A Pilot Study (PDF 389KB)	1979
34.1	Chemical Weed Control in Roadside Vegetation on Highway Right-of-Way (PDF 3.11MB)	1977
33.1	Ground Plane Wind Shear Interaction on Acoustic Transmission (PDF 1.87MB)	1978
32.1	"Subsurface Infiltration System" for Tree Irrigation (PDF 940KB)	1977
31.1	Photogrammetric Monitoring of a Gabion Wall (PDF 1.59MB)	1977
29.1	Native Vegetation Development, Final Report (1972-1977) (PDF 578KB)	1977
28.1	Evaluation of Origin-Destination Data for an External Cordon Line Survey (PDF 1.03MB)	1975
27.1	A Study of Wastewater Handling, Holding, and Disposal from Washington State Ferries (PDF 2.32MB)	1977
26.1	Tire Traction Testing of Highway, Snow & Studded Tires on Wet & Dry Pavement Surfaces (PDF 3.17MB)	1973
25.6	Guidelines for Identification and Analysis of Social Factors in Transportation Planning (PDF 5MB)	1976
25.5	Guidelines for Team Scheduling and Management (PDF 985KB)	1975
25.4	Guidelines for the Operation of Interdisciplinary Teams (PDF 2.03MB)	1975
25.3	Guidelines for Conducting Surveys Concerning Transportation (PDF 1.83MB)	1975
25.2	Guidelines for the Identification and Measurement of Social Factors in Transportation Planning (PDF 972KB)	1975
25.1	Guidelines for the Development and Implementation of Community Involvement Programs (PDF 1.87MB)	1975
25.0	Social Factors in Transportation Planning: Executive Summary (PDF 238KB)	1976
24.5	Field Evaluation of Single Barriers (PDF 4MB)	1978
24.4	Vehicle Noise Radiation, Effective Height and Frequency Measurements (PDF 928KB)	1976
24.3	Noise Barrier Screen Measurements, Double Barriers (PDF 3.3MB)	1976
24.2	Attenuation of Sound as a Function of Barrier Angle (PDF 533KB)	1976
24.1	Noise Barrier Screen Measurements, Single Barriers (PDF 1.85MB)	1975
23.4	Central Avalanche Hazard Forecasting: Summary of Scientific Investigations (PDF 5.38MB)	1978
23.3	Central Avalanche Hazard Forecasting: Final Report (PDF 3.44MB)	1977
23.2	Central Avalanche Hazard Forecasting: Interim Report (PDF 2.28MB)	1976

23.1A	Central Avalanche Hazard Forecasting: Operating Manual: Methods and Equipment Developed During the Project (PDF 12.67MB)	1978
23.1	Central Avalanche Hazard Forecasting, Phase I: A Feasibility Study (Fiscal Year 1975): Final Report (PDF 1.66MB)	1975
22.1	Test Track Evaluation of Patching Materials - Final Report (PDF 2.76MB)	1975
20.1	Investigation of Bridge Deck Deterioration Caused by De-Icing Chemicals (PDF 774KB)	1975
19.3	Alternate Methods of Avalanche Control - Final Report (PDF 1.23MB)	1978
19.2	Alternate Methods of Avalanche Control - Interim Report (PDF 2.43MB)	1976
19.1	Alternate Methods of Avalanche Control - Interim Report (PDF 4.1MB)	1975
17.2	Mechanistic Behavior of Pavement Systems (PDF 4.93MB)	1976
17.1	Pavement Response and Equivalencies for Various Truck Axle-Tire Configurations (PDF 3.22MB)	1974
16.1	Cooperative Photogrammetric Study (PDF 3.1MB)	1974
15.6	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)	1973
15.5	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)	1971
15.4	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)	1970
15.3	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)	1969
15.2	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)	1968
15.1	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)	1967
14.2	Vegetative Cover for Highway Rights-Of-Way: Final Report (1970-1976) (PDF 1.47MB)	1976
13.1A	Attenuation of Random Deep Water Waves by a Porous Walled Breakwater: Appendices (PDF 1.27MB)	1973
13.1	Attenuation of Random Deep Water Waves by a Porous Walled Breakwater (PDF 8.48MB)	1973
12.3	The Acoustic Radar and its Applicability to Air Pollution Studies (PDF 2.71MB)	1977
12.2	The Selection and Calibration of Air Quality Diffusion Models for Washington State Highway Line Sources: A Study (PDF 2.06MB)	1976
12.1	A Critical Review of Mathematical Diffusion Modeling Techniques for Air Quality with Relation to Motor Vehicle Transportation: A Study (PDF 1.96MB)	1973
11.2	Recreational Trip Characteristics and Travel Patterns: Second Phase of the Washington State Recreational Travel Study (PDF 1.56MB)	1973
11.1	Weekend Recreational Travel: Development of a Concept (PDF 4.33MB)	1971
10.1	Adaptation of Analytical and Semi-Analytical Numerical Photogrammetry Methods into Production Routines in Highway Photogrammetry (PDF 6.97MB)	1973
9.4	Rest Area Wastewater Disposal (PDF 3.87MB)	1971
9.3A	The Effect of Studded Tires on Traffic Striping Paints: Phase II, Interim Report (PDF 235KB)	1973

9.3	Studded Tire Pavement Wear Reduction and Repair: Phase III (PDF 5.78MB)	1973
9.2A	Stud Tire Effects on Pavement Overlays (PDF 647KB)	1973
9.2	Studded Tire Pavement Wear Reduction and Repair: Phase II (PDF 4.72MB)	1973
9.1A	Experimental Ring No. 5: The Effect of Studded Tires on Different Pavement Materials and Surface Textures: Interim Report #1 (PDF 1.29MB)	1972
9.1	Studded Tire Pavement Wear Reduction and Repair: Phase I (PDF 7.43MB)	1972
8.8	Cascade Passes Avalanche Atlas. Part 2, Stevens Pass and Tumwater Canyon (PDF 6.21MB)	1975
8.7	Cascade Passes Avalanche Atlas. Part 1, Chinook, Cayuse, White and Snoqualmie Passes (PDF 5.98MB)	1974
8.6	Methods of Avalanche Control on Washington Mountain Highways (PDF 754KB)	1974
8.5	Methods of Avalanche Control on Washington Mountain Highways: Interim Report (Fourth Annual Report) (PDF 1.71MB)	1974
8.4	Methods of Avalanche Control on Washington Mountain Highways, Third Annual Report (PDF 4.21MB)	1973
8.3	Avalanche Studies (1971-1972) (PDF 2.45MB)	1972
8.2	North Cascades Highway SR-20 Avalanche Atlas (PDF 9.46MB)	1971
8.1	Avalanches on the North Cascades Highway (SR-20) (PDF 1.25MB)	1971
7.1	Character and Significance of Highway Runoff Waters: A Preliminary Appraisal (PDF 2MB)	1972
6.1	Resilient Behavior of Asphalt Treated Base Course Materials (PDF 7.08MB)	1972
5.2	Tire Noise Properties of Two Resurfacing Materials Used on Highway Bridges for Repair of Wear (PDF 2.76MB)	1972
5.1	Vehicle Noise Study--Final Report (PDF 8.56MB)	1971
4.1	Evergreen Point Bridge Toll Booth Ventilation Study (PDF 806KB)	1972
3.5	Pavement Deflection Measurement - Dynamic Phase IV: Final Report (PDF 2.53MB)	1975
3.4A	Pavement Deflection Measurement - Dynamic, Phase II, Section II (Vehicle): Final Report (PDF 1.44MB)	1972
3.4	Pavement Deflection Measurement - Dynamic, Phase III, Section II, (Vehicle) (PDF 1.54MB)	1972
3.3	Pavement Deflection Measurement - Dynamic, Phase III, WSU Impulse Index Computer, Section I, (Suitcase) (PDF 520KB)	1972
3.2	Pavement Deflection Measurement - Dynamic, Phase II (PDF 855KB)	1971
3.1	Pavement Deflection Measurement - Dynamic: A Feasibility Study (PDF 913KB)	1970
2.1A	Guidelines for Joint Development on State Highway Transportation Ways, Interstate 5 Test Cases (Supplement) (PDF 4.19MB)	1972
2.1	Guidelines for Joint Development on State Highway Transportation Ways (PDF 9.82MB)	1972