



ARIZONA DEPARTMENT OF TRANSPORTATION  
**PUBLICATIONS BROCHURE**

(Prices Subject to Change Without Notice)

May 2010

The following is a list of publications available at Engineering Records Section.  
(Publications available on the ADOT internet web site are listed on the last page of this brochure.)

PUBLICATION NUMBER	TITLE	YEAR	PREPARED BY	PRICE
<b>STANDARDS &amp; SPECIFICATIONS</b>				
31-001A	Part (1)-Construction Details, C-Standards (includes revisions) - 8 1/2" x 11'	2007	Roadway Design	14.00
31-001B	Part (1)-Construction Details, C-Standards (includes revisions) - 11" x 17'	2007	Roadway Design	20.00
31-079	Part (1)-Construction Details - METRIC, C-Standards (includes revisions)	1997	Roadway Design	8.00
31-002	Part (2)-Structures, B-Standards	1992	Bridge Group	6.00
31-080	Part (2)-Structures - Metric, B-Standards	1995	Bridge Group	4.00
33-001	Part (3)-Traffic Signals & Lighting Standards	2004	Traffic Engineering	6.00
31-084	Part (3)-Traffic Signals & Lighting Standards - Metric	2002	Traffic Engineering	6.00
33-002	Part (4)-Signing & Marking Standards	2002	Traffic Engineering	6.00
31-083	Part (4)-Signing & Marking Standards - Metric	1996	Highways Division	3.00
31-060	CADD Standards	1990	CADD Syst. Services	33.00
31-092	CADD Standards - Metric	1997	CADD Syst. Services	30.00
31-066	Standard Specifications, Road & Bridge Construction	2008	Contracts & Specifications	20.00
31-082	Standard Specifications, Road & Bridge Construction-Metric	1996	Contracts & Specifications	17.00
<b>MANUALS</b>				
37-008	ADOT Maintenance and Facilities Best Management Practices (BMP) Manual	2007	Transportation Division	3.00
31-093	ADOT Post Construction Best Management Practices for Highway Design & Const	2008	Intermodal Trans. Division	21.00
31-094A	ADOT Guidelines for Highway on BLM & USFS Lands (Unabridged)	2008	Roadside Development	40.00
31-094B	ADOT Guidelines for Highway on BLM & USFS Lands (Abridged)	2008	Roadside Development	35.00
31-094C	ADOT Guidelines for Highway on BLM & USFS Lands (CD only-Contains A & B books)	2009	Roadside Development	15.00
37-009	ADOT Statewide Permit for Discharge of Waters of the United States Under the AZPDES	2008	Intermodal Trans. Division	6.00
31-010	AZ Supplement to the Manual on Uniform Traffic Control Devices (Millennium Edition)	2004	Traffic Engineering	5.00
31-069	Bridge Design and Detailing Manual	1994	Bridge Group	5.00
31-076	Bridge Design & Detailing Manual - Metric	1995	Bridge Group	7.00
37-003	Concrete finish Reference Manual	1987	Construction Section	6.00
31-067	Construction Costs	2008	Contracts & Specifications	13.00
31-004	Drafting Guides for Use in Office & Field	1990	Roadway Design	13.00
31-081	Drafting Guides for Use in Office & Field - Metric	1995	Gannett Fleming, Inc.	17.00
31-061	Drainage Manual Volume I-Policy	1987	Bridge Group	3.50
31-078	Erosion and Pollution Control Manual, ADOT	2005	Intermodal Trans. Division	5.00
31-007	Guide for Accommodating Utilities on Highway Rights of Way	1999	Util & RR Engr. Section	2.50
31-075	Guidelines for Computing Approximate Quantities for Bridges	1994	Bridge Group	1.50
31-091	Guidelines for Computing Approximate Quantities for Bridges - Metric	1996	Bridge Group	4.00
35-234	Highway Drainage Design Manual Hydrology System (FHWA-AZ93-281)	1993	Research Division	21.00
35-250	Highway Drainage Design Manual - Metric Edition (FHWA-AZ-94-442)	1996	Research Division	9.00
35-277	Highway Maintenance Management Manual	1998	Intermodal Trans. Division	20.00
31-012	Hydrologic Design for Highway Drainage in Arizona	1968	Bridge Group	6.00
31-014	Manual of Approved Signs	1999	Traffic Design	30.00
31-086	Pipe Selection Guidelines & Procedures	1996	Roadway Design Section	4.00
31-019	Reinforced Concrete Box Culvert Manual	1994	Bridge Group	2.00
31-090	Reinforced Concrete Box Culvert Manual - Metric	1996	Bridge Group	4.00

31-089	Roadway Design Guidelines (Also available with revisions on-line, see last page of this brochure for web site.)	2007	Roadway Design	18.00
60-006	State Highway System Log	1992	Transportation Planning	30.00
60-005	State Highway System Milepost Log	1990	Transportation Planning	6.00
37-006	Storm Water Monitoring Guidance Manual for Construction	2005	Transportation	3.00
37-007	Storm Water Monitoring Guidance Manual for MS4 Activities	2005	Transportation	2.00
31-088	Traffic Control Manual for Hwy. Construction (Supplement)	1992	Traffic Engineering	6.00
60-003	Traffic on the Arizona Hwy System	1992	Transportation Planning	6.00
30-012	Traffic Safety for School Areas	2003	Traffic Operations	5.00
31-064	Urban Highways - Channel Lining Design Guidelines	1989	Urban Highways	4.00

## REPORTS & STUDIES

35-256	A Comparison of Traffic Noise from Asphalt Rubber, Asphalt Concrete Friction Courses	1996	JHK & Assoc.	5.00
35-384	A Field Study of Particulate Emissions for Major Roadways in the Phoenix Air shed	2006	ASU Environmental	2.00
35-302	Accelerated Pavement Testing - Phase I (Final Report 468C1)	2000	Research Division	4.00
35-355	Actual Speeds on the Roads Compared to the Posted Limits	2004	Research Division	2.00
35-349	Alternative Modes as an Air Quality Mitigation Strategy	2004	Research Division	2.00
35-328	Alternate Routing Information System (ARIS)	2002	Research Division	3.00
35-370	Arizona Department of Transportation Project Delivery Cycle Time Analysis	2005	Transportation Division	1.00
35-312	Arizona Intelligent Vehicle Research Program - Phase One: 1997-2000, Fin. Rpt 473(1)	2001	Research Division	3.00
35-323	Arizona Intelligent Vehicle Research Program - Phase Two: 2000-2001	2002	Research Division	4.00
35-344	Arizona Intelligent Vehicle Research Program - Phase Two (b): 2001-2002	2003	Research Division	2.00
35-346	Arizona Intelligent Vehicle Research Program - Phase Three: 2002-2003	2004	Research Division	3.00
35-311	Arizona Local Government Safety Project Analysis Model, Final Report 504	2001	Research Division	3.00
35-342	Arizona Road Weather Information System (RWIS) Communications Plan	2003	Systems Innovations, Inc	1.00
35-301	Arizona Statewide Incident Management Plan, Final Report 497	2000	Research Division	2.50
35-371	Atmosphere Effects Associated with Highway Noise Propagation	2005	Transportation Division	4.00
35-385	Automated Asset Inventory System	2006	Bar/Scan	1.00
35-335	Best Practices in Project Management	2003	Dye Management Group, Inc	3.00
35-269	Bridge Approach/Anchor Slab Joint Evaluation (FHWA-AZ 97-450)	1997	Research Division	2.00
35-383	Bridge Deck Preservation Procedures for the Arizona Department of Transportation	2006	Transportation Division	1.00
35-376	Congestion Mitigation at Railroad - Highway at Grade Crossings	2005	Transportation Division	1.00
35-332	Congestion Mitigation Resources and Strategies for Arizona's State Highway System, Volume I & II	2002	Bucher, Willis & Ratliff Corp.	3.00
35-379	Crash Data Collection and Analysis	2006	Transportation Division	1.00
35-431	Critical review of ADOT's Hot Mix Asphalt Specifications	2008	Dale S Decker, LLC	2.00
35-313	Current Five-Year Transportation Facilities Construction Program, FY 2002-2006 (Includes MAG Life Cycle)	2001	Transportation Planning	3.00
35-403	Current 2008-2012 Five Year Trans. Construction Program (Includes MAG Cycle & Five-Year Highways & Airports Construction Program	2007	Transportation	14.00
35-377	Customer Oriented Level of Service Maintenance Management	2005	Transportation Division	1.00
35-352	CVISN Safety Information Exchange, Nogales Port of Entry	2004	Transportation Division	3.00
35-386	Development & Implementation of Arizona Department of Transportation(ADOT) Pavement Management System (PMS)	2006	Stantec Consulting Inc	4.00
35-287	Development of New Pavement Design Equivalent Single Axle Load	1999	Research Division	4.00
35-224	Development of Seismic Acceleration Contour Maps for Arizona AZ92-344	1992	Research Division	22.00
35-372	Development of Statewide GIS-Based Features Inventory System	2005	Transportation Division	1.00
35-367	Driver License Manual Best Practices	2005	Transportation Division	1.00
35-278	Effectiveness of Videoconferencing Ph. I: Pre-Pilot Test Report	1998	Research Division	3.50
35-135	Effects of In-Stream Mining on Channel Stability Vol. I (FHWA/AZ-89/250)	1989	Research Division	8.00
35-136	Effects of In-Stream Mining on Channel Stability Vol. II (FHWA/AZ-89/250)	1989	Research Division	2.00
35-137	Effects of In-Stream Mining on Channel Stability Vol. III (FHWA/AZ-89/250)	1989	Research Division	18.00
35-382	Estimating the Cost of Overweight Vehicle Travel on Arizona Highways	2003	Transportation Division	1.00
35-366	Evaluation of the Cost Benefits of Continuous Pavement Preservation Design Strategies Versus Reconstruction	2005	Transportation Planning	3.00

35-334	Evaluation of Integrated Document Management System (IDMS) Option for the ADOT	2003	Research Division	4.00
35-365	Evaluation of Moisture Sensitivity Properties of ADOT Mixtures on US 93	2001	Research Division	2.00
35-380	Evaluation of Off - Ramp Right Turn Control at Single Point Urban Interchanges without Frontage Roads	2006	Transportation Division	1.00
35-327	Evaluation of Operational Efficiencies; Cost and Accident Experience Phase Single Point Urban Interchanges	2002	Research Division	8.00
35-266	Expert Project Recommendation Procedure for ADOT's Pavement Management System (AZ-SP-9702)	1997	Research Division	4.00
35-275	Fuzzy Variable Speed Limit Device Project	1998	Research Division	1.00
35-324	Fuzzy Variable Speed Limit Device Modification and Testing - Phase 11	2002	Research Division	1.00
35-399	High Density Polyethylene Pipe Fill Height Table in Arizona	2007	Research Division	1.00
35-375	High Risk Crash Analysis	2005	Transportation Division	1.00
35-338	Highway Facilities for an Aging Arizona Population	2003	Quantec, LLC	1.00
35-280	Identifying and Implementing Corridor Safety Improvements	1999	Research Division	2.00
35-305	Implementation of the Simplified AZ Hwy Cost Allocation Study, Model Fin. Rpt 477(3)	2001	Research Division	2.50
35-405	Implementing HPC on Sunshine Bridge Project	2007	Research Division	5.00
35-268	I-10 / I-17 Phase I FMS Evaluation (FHWA-AZ97-416)	1997	Research Division	3.00
35-276	Incident Management Systems & Strategies	1998	Research Division	1.00
35-343	Integrated Sign Management Systems - ADOT Maintenance Group	2003	ITG	1.00
35-267	Integration of Istea & Databases (FHWA-AZ97-454)	1997	Research Division	4.00
35-404	Intelligent Transportation Systems (ITS) Concepts For Rural Corridor Management	2007	Research Division	6.00
35-350	ITS Technologies & Mature Drivers	2004	Transportation Planning	2.00
35-362	ITS Traffic Data Consolidation System	2005	Research Division	1.00
35-400	Lake Havasu City Small Area Transportation Study Update	2007	Research Division	7.00
35-270	LTPP Traffic Data Collection & Monitoring (FHWA-AZ 98-387)	1998	Research Division	2.00
35-402	Making a Good First Impression: Improving Predesign and Environment Public Information and Public Involvement	2007	Research Division	1.00
35-292	Materials Group Pavement Design Report Standard Items	2000	Materials Group	5.00
35-381	Measurement Tools for Assessing Motor Vehicle Division Port - of Entry Performance	2003	Transportation Division	1.00
35-310	Movements in Land - Use Regulations, Final Report 507(2)	2001	Research Division	2.00
35-364	New, Improved, Comprehensive, and Automated Driver's License Test and Vision Screening System	2005	ESRA Consulting Corp	13.00
35-430	Open-Source as an Alternative to Commercial Software	2009	Sean Coleman	8.00
31-432	Options for Reducing Copper Theft	2009	Jeremy Schoenfelder	3.00
35-273	Pecos ITI Data Models	1998	Research Division	2.50
35-433	Performance Testing of HPC on Sunshine Bridge	2009	Jaber Engineering Consutling	1.00
35-369	Procedures for Winter Storm Maintenance Operations	2005	Transportation Division	1.00
35-331	Program and Project Financial Needs Assessment-FHWA AZ 02 515	2002	Research Division	8.00
35-397	Real-Time Adaptive Ramp Metering:Phase I-MILOS Proof of Concept	2006	Research Division	1.00
35-300	Refinement of the Simplified AZ Highway Cost Allocation Study, Final Rpt 477(2)	2000	Research Division	4.00
35-345	Research for Developing Educational Tools and Outreach Programs, Final Report	2004	Research Division	5.00
31-065	Review of ADOT's Quality Assurance Asphalt Concrete Specifications	1989	Construction Section	4.00
35-244	Rhodes Project: Phase II (A)	1994	Research Division	5.00
35-340	Roadway Lighting: An Investigation and Evaluation of Three Different Light Sources	2003	Lighting Sciences, Inc.	5.00
35-341	Roundabouts: An Arizona Case Study and Design Guideline	2003	Lee Engineering, LLC	4.00
35-359	Rural ITS Progress Study – Arizona 2004	2004	Research Division	3.00
35-172	Scour at Bridge Structures & Channel Aggregation	1990	Research Division	12.00
35-142	Sizing Piprap for the Protection of Approach Embankments & Spur Dikes & Limiting the Depth of Scour at Bridge Piers & Abutments, Vol I (FHWA/AZ-89/260)	1989	Research Division	5.00
35-176	Slope Erosion Control for Urban Freeways in Arid Climates, Vol I (FHWA/AZ-89/257)	1989	Research Division	26.00
35-314	State of the Art Report - Non-Traditional Traffic Counting Methods	2001	Research Division	3.00
35-262	Strategic Plan for Early Deployment of Intelligent Transportation Systems on Interstate 40 Corridor - Final Report	1997	Research Division	4.00
35-258	Strategic Plan for ITS Communications	1996	JHK & Associates	5.00
35-279	Strategic Plan for Statewide Deployment of Intelligent Transportation Systems in AZ	1998	Research Division	3.00
35-265	Strategy Development for Dust Control & Prevention on I-10	1997	Research Division	3.00

35-307	Survey of Futurist Trends - Final Report 507(1)	2001	Research Division	1.00
35-304	Survey of Highway Freight - Hauling: State Regulatory Practices, Trucker Perceptions, and Truck Traffic Volumes	2000	Research Division	3.00
35-295	Survey of Methods and Practices of High Performing State Highway Agencies	2000	Research Division	3.00
35-373	Technical Evaluation of Photo Speed Enforcement for Freeways	2005	Transportation Division	3.00
35-329	Technology and Intelligent Transportation Systems (ITS); The Implications for Future Transportation	2002	Research Division	1.00
35-247	The Enterprise Program, Evaluating Technologies for Roads	1991	Research Division	6.00
35-368	The Impact of Red Light Cameras (Automated Enforcement) on Safety in Arizona	2005	Transportation Division	1.00
35-303	The Value of the RARF Freeway System: A Corporate-Style Financial Analysis	2000	Research Division	2.00
35-336	Third Party Transaction Cost-Benefit Analysis	2003	Data Site Consortium	2.00
35-209	Traffic Impact Analysis for Proposed Development	1999	Traffic Design	11.00
35-398	Transportation Communication Interoperability: Phase 2-Resource Evaluation	2006	Research Division	1.00
35-396	US 93 Bighorn Sheep Study: Distribution & Trans-Highway Movement	2007	Research Division	1.00
35-351	Uninsured and Underinsured Motorists: Trend in Policy & Enforcement	2004	Research Division	4.00
35-271	University Research Center Phase I (FHWA-AZ 98-472(1))	1998	Research Division	4.00
35-401	Use of Simulated Highway Underpass Crossing Structures by Flat-Tailed Horned Lizards	2007	Research Division	1.00
35-299	Vehicle Emission Noise Evaluation for Arizona Specific Stamina 2.0 & Traffic Noise Model (TNM)	2000	Research Division	2.50
35-309	VISTA - Vehicles with Intelligent Systems for Transport Automation Final Rpt 473(b)	2001	Research Division	1.00
35-274	What Are the "Best Practices" of Rural Sub-area Planning?	1998	Research Division	4.00
35-315	What Is the Best Way to Address Environmental Justice Issues? Final Rpt 506	2002	Research Division	3.00

This brochure and information for ordering publications is available at [www.azdot.gov/inside\\_ADOT/Misc/Engineering\\_Records.asp](http://www.azdot.gov/inside_ADOT/Misc/Engineering_Records.asp)

#### **PUBLICATIONS AVAILABLE ON THE ADOT INTERNET WEB SITE:**

##### **Roadway Design Guidelines**

[www.azdot.gov/Highways/Roadway\\_Engineering/Roadway\\_Design/guidelines/manuals/PDF/RoadwayDesignGuidelines.pdf](http://www.azdot.gov/Highways/Roadway_Engineering/Roadway_Design/guidelines/manuals/PDF/RoadwayDesignGuidelines.pdf)

##### **Project Reports**

[www.azdot.gov/TPD/ATRC/Publications/project\\_reports/index.asp](http://www.azdot.gov/TPD/ATRC/Publications/project_reports/index.asp)

##### **Construction Manual**

[www.azdot.gov/Highways/ConstGrp/Construction\\_manual/index.asp](http://www.azdot.gov/Highways/ConstGrp/Construction_manual/index.asp)

##### **Survey Manual**

[www.azdot.gov/highways/survey/Manuals.asp](http://www.azdot.gov/highways/survey/Manuals.asp)

##### **Materials Testing Manual**

[www.azdot.gov/Highways/Materials/QA/QA\\_manuals/index.asp](http://www.azdot.gov/Highways/Materials/QA/QA_manuals/index.asp)

##### **Materials Policy and Procedure Directives Manual**

[www.azdot.gov/Highways/Materials/QA/QA\\_manuals/index.asp](http://www.azdot.gov/Highways/Materials/QA/QA_manuals/index.asp)

##### **Materials Preliminary Engineering and Design Manual**

[www.azdot.gov/Highways/Materials/QA/QA\\_manuals/index.asp](http://www.azdot.gov/Highways/Materials/QA/QA_manuals/index.asp)

##### **Materials Group Pavement Design Report Standard Items**

[www.azdot.gov/Highways/Materials/Pavement\\_Design/PDF/Report\\_Standard\\_Items/index.pdf](http://www.azdot.gov/Highways/Materials/Pavement_Design/PDF/Report_Standard_Items/index.pdf)