

PRIDE

Product Resource Investment Deployment and Evaluation

PROGRAM

Annual Report 2006

Arizona Department of Transportation
Arizona Transportation Research Center

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PREFACE

The Arizona Department of Transportation (ADOT) Product Resource Investment Deployment and Evaluation (PRIDE) Program is conducted under the sponsorship of the Federal Highway Administration (FHWA) through the Highway Planning and Research Program. The PRIDE program is partially funded by Project Number SPR-116 under the State Planning and Research Program, Research Support Programs. The PRIDE program coordinates the review and acceptance of new products for possible use by ADOT and maintains the Approved Products List (APL).

Mr. Frank T. Darmiento of the Arizona Transportation Research Center (ATRC) administers the PRIDE program. He is assisted by Mr. Jeremy Sala of ATRC.

The objective of this report is to document the efforts of ADOT's PRIDE program for the 2006 calendar year. This report describes product evaluation activities from January 1, 2006, through December 31, 2006.

Information about the PRIDE program may also be found on ADOT's Internet site, **www.azdot.gov/TPD/ATRC/index.asp**. Information on the PRIDE program may be accessed by selecting ***PRIDE Program***.

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INTRODUCTION

Construction and maintenance of a highway network utilizes a large number of manufactured products and diverse technologies. Many of these products and technologies perform well, while others do not perform as claimed. Rapid implementation of new technologies and products is essential to the effective management of a highway system. However, equally important is the judicious investment of highway dollars in the construction of field test sections. Thousands of dollars are invested each time an experimental product is used in a construction project.

Consequently, the Product Resource Investment Deployment and Evaluation (PRIDE) program was established to provide a framework for introducing new products for use in field test sections. The program systematically selects products for evaluation, evaluates their feasibility and performance, and documents and reports the results. In this way, new products are evaluated consistently and impartially.

BACKGROUND

In May 1985, the Arizona Department of Transportation (ADOT) established the *Policy for Field Test Requested by Outside Parties* to address the increasing demands of technology and the limited resources of ADOT. This policy gave the Arizona Transportation Research Center (ATRC) responsibility for managing and documenting proposals for test sections submitted by vendors. A Product Evaluation Advisory Committee was established to evaluate the proposals and to recommend products or technologies to be considered for field evaluation.

The Product Evaluation Advisory Committee included an engineer from each ADOT District, a representative from the Materials Section, and one from ATRC. The first committee meeting was held in June 1985.

During December 1986, a full-time position was dedicated to the Product Evaluation Program and the evaluation of construction experimental features. In September of 1988, the system was further divided into the Product Evaluation and Experimental Projects Programs, with one engineer responsible for each program.

In 1991, the Evaluation Committee was separated into two committees: the General Highway Product Evaluation Advisory Committee and the Traffic Control New Product Evaluation Advisory Committee. The General Highway Product Evaluation Advisory Committee reviewed all highway construction-related materials. This committee included representatives from the following units: ADOT Districts, the Maintenance Section, Highway Plans Services, the Utility Section, the Materials Section, and ATRC. The Traffic Control New Product Evaluation Advisory Committee reviewed traffic control-related products. This committee included a representative from each of the following units: the Federal Highway Administration (FHWA), ADOT Districts, the Urban Highways Section, the Traffic Engineering Section, Highway Plans Services, the Construction Section, the Maintenance Section, the Structures Section, the Materials Section, and ATRC. ATRC administered this program.

During November 1991, the State Engineer led a one-day discussion that included four District Engineers and all section heads of the Highways Division to review ADOT's product evaluation effort. Three task teams were established to create a policy to provide better coordination among units of the Highways Division.

On July 1, 1992, three committees were formed under the Highways Division Policy and Implementation Memorandum No. 92-08. This policy was replaced by ADOT Intermodal Transportation Division Policy and Implementation Memorandum No. 99-01, *New Products Evaluation and Approval Process*, effective December 1999.

The current PRIDE policy, *SUP-9.01 PRODUCT RESOURCE INVESTMENT DEPLOYMENT AND EVALUATION (PRIDE) PROGRAM*, became effective on July 18, 2002 and was revised and reissued on January 27, 2006. It provides for two Product Evaluation Committees (PECs), Materials (MatPEC) and Traffic Control (TCPEC). The PECs are responsible for establishing the operational policy for the new products evaluation and approval process under the PRIDE program. While each PEC has primary areas of responsibility, product evaluations sometimes overlap these areas, requiring decisions from both committees on a product's acceptability. The PECs have the authority to approve or disapprove new products. Approved products are placed on the Approved Products List (APL). The committees have the authority to remove previously approved products from the APL that are later found to be unacceptable.

A copy of the current PRIDE program policy is included in *Appendix A*. During 2006, the PRIDE program was administered by Mr. Frank T. Darmiento.

MATERIALS PRODUCT EVALUATION COMMITTEE

The MatPEC is responsible for establishing the operating policy under which non-traffic control products are evaluated. The committee reviews and evaluates non-traffic control products. The MatPEC met four times during 2006, on February 15, May 10, August 16, and November 13. Members of the MatPEC during 2006 are listed in *Table 1*.

**TABLE 1
MATERIALS PRODUCT EVALUATION COMMITTEE MEMBERS DURING 2006**

Jim Delton	Materials Group – Chairman
Randy Allenstein	Maintenance Group
David Allocco	Materials Group Representative
Chad Auker	Materials Group, Flagstaff
David Burbank	Regional Materials Engineer, Tucson District
Ken Cooper	Roadway Standards
Frank Darmiento	Arizona Transportation Research Center
Tom Deitering	Federal Highway Administration
John Ivanov	Materials Group
Perry Powell	District Engineer, Phoenix Construction District
Scott Weinland	Materials Group – Prescott

Pipe Subcommittee

In order to properly review pipe products, MatPEC established a Pipe Subcommittee. The subcommittee is chaired by Ken Cooper of Roadway Standards Section. The subcommittee reviews and reports its recommendations to the MatPEC. The MatPEC makes the final decisions on Pipe Subcommittee recommendations.

TRAFFIC CONTROL PRODUCT EVALUATION COMMITTEE

The TCPEC is responsible for establishing the operating policy under which traffic control products are evaluated. It reviews and evaluates traffic control products. The TCPEC met four times during 2006, on March 16, June 8, September 21, and December 14. Members of the TCPEC during 2006 are listed in *Table 2*.

**TABLE 2
TRAFFIC CONTROL PRODUCT EVALUATION COMMITTEE
MEMBERS DURING 2006**

Mike Manthey	Assistant State Engineer – Traffic Group – Chairman
Randy Allenstein	Central Maintenance
Bill Birdwell	Town of Queen Creek
George Chin	Regional Traffic Engineer – Phoenix Region
Mark Clark	Maricopa County Department of Transportation
Ken Cooper	Roadway Support
Craig Cornwell	Phoenix Maintenance District
Frank Darmiento	Arizona Transportation Research Center
Tom Donithan	Phoenix Maintenance District
David Duffy	Traffic Design Manager – Traffic Group
Jim Elliott	Pavement Marking, Inc.
Chuck Gillick	Regional Traffic Engineer – Flagstaff District
Roger Hopt	Western Region Traffic
Paul Hurst	Construction Group
Jeff Johnson	Trafficade Services, Inc.
Reza Karimvand	Southern Region Traffic
Karen King	FHWA
Joe McGuirk	Phoenix Maintenance District
Steve Puzas	Safford District Maintenance
Dr. Craig Roberts	Northern Arizona University
Andy Roth	Resident Engineer-Prescott District
George Wendt	Manager – Risk Management
Al Zubi	Traffic Engineering Group

PRODUCT EVALUATION PROCESS

Applications for product evaluation are submitted to ADOT. Products are evaluated based on one of the following processes:

- (1) Applications for products covered by current ADOT specifications are evaluated based on compliance with the applicable specifications.
- (2) Applications for products that are not covered by current ADOT specifications are evaluated using a 14-point checklist.

A copy of the PRIDE application instructions is included in *Appendix B*. A copy of the PRIDE application form is found in *Appendix C*.

Each PRIDE application is assigned to an ADOT staff person or contractor to coordinate the initial evaluation of the product. The lead evaluator decides what information or tests are necessary to

complete the evaluation of the product. Questions or unusual evaluation requirements are reviewed with the appropriate PEC for guidance.

Applicants whose products are not approved are notified by ATRC. If an applicant disagrees with a Committee's decision to reject a product, the applicant may appeal the rejection by providing their objections in writing and submitting additional information for consideration by the Committee. The applicable PECs will then reconsider the application.

STATUS OF THE PRODUCT EVALUATION PROGRAM

The APL is updated and published monthly *via* the Internet and ADOT's Intranet. Products placed on the APL are normally approved for a five-year period. However, the PECs may specify alternate approval periods as well as conditional approvals. Products must be re-certified by the applicant to remain on the list after the approval period expires. Re-certification entails verification from the applicant that the listed product is still manufactured as approved. If a product has been substantially modified the applicant must initiate a new PRIDE evaluation for the product. Products that are not re-certified at the expiration of their five-year approval period are removed from the APL. The APL may be downloaded from the Internet at www.azdot.gov/TPD/ATRC/index.asp and selecting **Pride Program**.

A contract was awarded to Western Technologies, Inc. (WTI) and their subcontractor, Arizona State University (ASU) in February 2004 to support the PRIDE program. The focus of the WTI/ASU contract during 2004 was to support the Materials Product Evaluation Committee and provide an engineering student to support the PRIDE program administrative and evaluation tasks.

Chalmers Engineering Services, Inc., under contract to the ADOT Traffic Group, is used also to evaluate PRIDE applications. The focus of the Chalmers work is to support the Traffic Control Product Evaluation Committee.

PRODUCTS CONSIDERED BY THE PRODUCT EVALUATION COMMITTEES

The PRIDE program received sixty-four applications during 2006. The MatPEC approved twenty-seven products for the APL. The TCPEC approved fourteen products for the APL. Summaries of these decisions are shown in Tables 3-4. Based on the TCPEC recommendations forty-seven products were added to the APL without the manufacturers having to submit an application. Each product was assigned a PRIDE identification number. Summaries of these products are shown Table 5.

TABLE 3
PRODUCTS APPROVED BY THE
MATERIALS PRODUCT EVALUATION COMMITTEE DURING 2006

Pride ID No.	Product Name	Company Name	Action
02012	S-Square System	S-Square Tube Products	Approved for APL
02045	ISAC – Interlayer Stress Absorbing Composite	Pavetech International	Approved for APL
02078	Acrylic Tie Adhesive	Simpson Strong Tie, Inc	Approved for APL
02096	Sikadur Anchor Fix 3	Sika Corporation	Approved for APL
02129	Nyloplast Storm Drainage Structures	Nyloplast – ADS	Approved for APL
03009	Gelbond NS Fast	US Mix Products Co.	Approved for APL
03082	Sikadur Anchor Fix 4	Sika Corporation	Approved for APL
03095	Durapatch Highway	L&M Construction Chemicals	Approved for APL
03104	Sika Set Roadway Patch 2000	Sika Corporation	Approved for APL
03105	Sika Quick 2500	Sika Corporation	Approved for APL
03106	Sikadur Anchor Fix 2	Sika Corporation	Approved for APL
03115	Accelguard NCA	The Euclid Chemical Company	Approved for APL
03119	NC Grout	The Euclid Chemical Company	Approved for APL
03121	Gem-Fil Anti Crack HD/HP	Saint-Gobain Vetrotex America, Inc.	Approved for APL
03122	AR Glass Fiber by Cem-Fil	Saint-Gobain Vetrotex America, Inc.	Approved for APL
04049	Step-Safe	Transpo Industries, Inc.	Approved for APL
04066	Glenium 3400 NV	Degussa Admixtures Inc	Approved for APL
04070	WRDA 27	W.R. Grace Company	Approved for APL
04076	Euco Rapid Patch HE	The Euclid Chemical Company	Approved for APL
04077	Euco Hi-Flow Grout	The Euclid Chemical Company	Approved for APL
05011	Western Excelsior Straw Wattles	Western Excelsior	Approved for APL
05012	Zyla 610	W.R. Grace Company	Approved for APL
05013	Integradome	EverTec, Inc	Approved for APL
05017	Sikament 686	Sika Corporation	Approved for APL
05018	Sika Viscocrete 4100	Sika Corporation	Approved for APL
05051	Granite Truncated Dome Pavers	Cold Spring Granite Company	Approved for APL
05057	Neenah Detectable Warning Plate	Neenah Foundry Company	Approved for APL

TABLE 4
PRODUCTS APPROVED BY THE
TRAFFIC CONTROL PRODUCT EVALUATION COMMITTEE DURING 2006

PRIDE ID No.	Product Name	Company Name	Action
01025	HPS-3 White & Yellow	Innovative Performance Systems, Inc	Approved for APL
01026	URETECH™ HPS-4 Modified Urethane Pavement Markings	Innovative Performance Systems, Inc	Approved for APL
02021	Flametape	Ennis Paint, Inc.	Approved for APL
02101	Model SS560UC Sign Stand	Korman Signs, Inc.	Approved for APL
02102	Model SS570UC Sign Stand	Korman Signs, Inc.	Approved for APL
02103	Model SS560UCA Sign Stand	Korman Signs, Inc.	Approved for APL
02104	Model SS548UC Sign Stand	Korman Signs, Inc.	Approved for APL
02105	Model SS548UCR Sign Stand	Korman Signs, Inc.	Approved for APL
02106	Model Sign SS548UCRA Stand	Korman Signs, Inc.	Approved for APL
02134	S548c portable work Zone Sign Stand	Korman Signs, Inc.	Approved for APL
02135	SS548CA Sign Stand	Korman Signs, Inc.	Approved for APL
03003	TM8215/TM8214 Hotline Epoxy Traffic Markig Paint Color: Traffic Lead Free Yellow	Sherwin Williams Co.	Approved for APL
03047	CASS Cable Barrier System	Trinity Industries, Inc.	Approved for APL
03065	CRG 92000 Series	Nippon Carbide Industries	Approved for APL
03110	Avery Dennison Model C80FH	Avery Dennison	Approved for APL
03120	High Performance Tape Sjeries 380I ES	3M	Approved for APL
04005	Carson H-Series Polymer Concrete Vaults	Carson Industries	Approved for APL
04042	Break-Out (Flush Mount Post Coupler)	Sign Support Systems Corp.	Approved for APL
04062	Safeguard Gate System	Barrier Systems, Inc.	Approved for APL
05010	Diamond Grade DG Series 4090	3M	Approved for APL
05045	Gibraltar Cable Barrier System	Gibraltar	Approved for APL

TABLE 5
PRODUCTS ADDED TO THE APL BASED ON
TRAFFIC CONTROL PRODUCT EVALUATION COMMITTEE RECOMMENDATION 2006

PRIDE ID No.	Product Name	Company Name	Action
06052	HES75CX	HESCO/RLS, INC.	Added to the APL
06053	Multi Cable Video Detection Cable	ITERIS	Added to the APL
06054	Multi Cable Video Detection Cable	TRAFICON USA LLC	Added to the APL
06055	Blackburn Connector	Thomas & Betts Corporation	Added to the APL
06056	In-Line Fuse Connector	Buchanan Construction Products, Inc.	Added to the APL
06057	In-Line Fuse Connector	Littelfuse	Added to the APL
06058	Duraloop	Duraloop	Added to the APL
06059	Anchor Bolts	Ameron	Added to the APL
06060	Anchor Bolts	Cem-Tec	Added to the APL
06061	Anchor Bolts	Custom Bolt	Added to the APL
06062	Anchor Bolts	Union Metal Corporation	Added to the APL
06063	All High Pressure Sodium Lamps	Philips Electronics North America Corporation	Added to the APL
06064	All High Pressure Sodium Lamps	Thomas & Betts Corporation	Added to the APL
06065	Luminaire – Bracket	Watkins Sales	Added to the APL
06066	Luminaire – Bracket	Cem-Tec	Added to the APL
06067	Luminaire – Bracket	Custom Bolt	Added to the APL
06068	Luminaire – Bracket	Union Metal Corporation	Added to the APL
06069	Electrical Service Pedestal	Milbank Manufacturing	Added to the APL
06070	Electrical Service Pedestal	Myers Power Products, Inc.	Added to the APL
06071	Electrical Service Pedestal	Pacific Utility Products	Added to the APL
06072	Electrical Service Pedestal	Tesco Controls, Inc.	Added to the APL
06073	Uninterrupted Power Supply	Myers Power Products, Inc	Added to the APL
06074	Uninterrupted Power Supply	Tesco Controls, Inc.	Added to the APL
06075	ADA Compliant Pedestrian Push Button	McCain Traffic Supply	Added to the APL
06076	ADA Compliant Pedestrian Push Button	SIEMENS ITS/EAGLE	Added to the APL
06077	Traffic Signal Poles and Mast arms (including Pedestrian Post)	Watkins Sales	Added to the APL

PRIDE ID No.	Product Name	Company Name	Action
06078	Traffic Signal Poles and Mast arms (including Pedestrian Post)	Cem-Tec	Added to the APL
06079	Traffic Signal Poles and Mast arms (including Pedestrian Post)	McCain Traffic Supply	Added to the APL
06080	Traffic Signal Poles and Mast arms (including Pedestrian Post)	Union Metal Corporation	Added to the APL
06081	Traffic Light Poles and Mast arms (Steel)	Watkins Sales	Added to the APL
06082	Traffic Light Poles and Mast arms (Steel)	Cem-Tec	Added to the APL
06083	Traffic Light Poles and Mast arms (Steel)	Union Metal Corporation	Added to the APL
06084	Video Detection System	ITERIS	Added to the APL
06085	Video Detection System	Philips Electronics North America Corporation	Added to the APL
06086	Video Detection System	TRAFICON USA LLC	Added to the APL
06087	LED Signal Modular	Act One	Added to the APL
06088	LED Signal Modular	Dialight	Added to the APL
06089	LED Signal Modular	GELcore	Added to the APL
06090	LED Signal Modular	Precision Solar	Added to the APL
06091	3 Loop Sealant	Brewer Cote	Added to the APL
06092	Anchor Bolts	Valmont	Added to the APL
06093	Uninterrupted Power Supply	Alpha	Added to the APL
06094	Luminaire – Bracket	Valmont	Added to the APL
06095	Traffic Signal Poles and Mast arms (including Pedestrian Post)	Valmont	Added to the APL
06096	Traffic Light Poles and Mast arms (Steel)	Valmont	Added to the APL
06097	Traffic Light Poles and Mast arms (Aluminum)	Valmont	Added to the APL
06098	Video Detection System	Unitrack Industries	Added to the APL

PROGRAM FOR 2007

The PRIDE program in 2007 will continue to actively involve the Product Evaluation Committees in the PRIDE process. Equally important is providing timely responses and evaluations to vendors submitting product applications to the PRIDE program. The evaluation process is being revised to incorporate electronic file transfer in the evaluation process. For some applications a “pdf” copy of the file is made. All documents and letters related to the evaluation are also made available in electronic form. ASU, under the PRIDE contract, hosts a secure web site that stores these documents for access by the evaluators and the MatPEC.

The PRIDE program will continue working to keep the APL up to date as well as change or remove unnecessary categories. The PRIDE program will continue to use contractors to help with performing product evaluations.

APPENDIX A

ADOT PRODUCT EVALUATION POLICY



ARIZONA DEPARTMENT OF TRANSPORTATION POLICIES AND PROCEDURES

SUP-9.01 PRODUCT RESOURCE INVESTMENT DEPLOYMENT AND EVALUATION (PRIDE) PROGRAM

Effective: January 27, 2006

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Responsible Office: Arizona Transportation Research Center,
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1.01 PURPOSE

The purpose of this Policy, which was originally established by Arizona Department of Transportation (ADOT) Highways Division Policy and Implementation Memorandum 92-08 and modified by ADOT Intermodal Transportation Division Policy and Implementation Memorandum 99-01, is to redefine, reaffirm, and delineate responsibilities and procedures for the evaluation and approval of new products.

1.02 SCOPE / APPLICABILITY

This Policy applies to ADOT entities involved with selecting, evaluating, using or specifying the use of new products for use on, or in association with, ADOT roadways.

1.03 AUTHORITY

This policy is promulgated under the authority and approval of the Director of the ADOT Transportation Planning Division.

1.04 BACKGROUND

- a. The Arizona Department of Transportation (ADOT) Product Resource Investment Deployment and Evaluation (PRIDE) Program is conducted under the sponsorship of the Federal Highway Administration (FHWA) through the Highway Planning and Research Program. The PRIDE program is established as item 116 under the State Planning and Research Program, Research Support Programs. The PRIDE program coordinates the review and acceptance of new products for possible use by ADOT and maintains the Approved Products List (APL).
- b. On July 1, 1992, three committees were formed under the Highways Division Policy and Implementation Memorandum No. 92-08. This policy was replaced by ADOT Intermodal Transportation Division Policy and Implementation Memorandum No. 99-01, New Products Evaluation and Approval Process, effective December 1999.
- c. The PRIDE program is now under the authority of the ADOT Transportation Planning Division (TPD) in the Arizona Transportation Research Center (ATRC).

1.05 DEFINITIONS AND ACRONYMS

ADOT	Arizona Department of Transportation
Approved Products List (APL)	A list of products which have been evaluated or meet ADOT standard specifications and are approved for ADOT use
ATRC	Arizona Transportation Research Center

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ATSSA	American Traffic Safety Services Association
FHWA	Federal Highway Administration, U.S. Department of Transportation
Lead Evaluator	The person assigned by one or more PECs to coordinate the initial review of a product application.
MatPEC	Materials Product Evaluation Committee
MSDS	Material Safety Data Sheet
MUTCD	Manual on Uniform Traffic Control Devices
New Product	Any product submitted for approval that is not on the Approved Products List (APL) at the time of its submittal.
PEC	Product Evaluation Committee
PRIDE	Product Resource Investment Deployment and Evaluation Program
TCPEC	Traffic Control Product Evaluation Committee
Traffic Control Products	Various types of materials and equipment necessary to carry out the requirements of the ADOT, MUTCD or FHWA Safety Standards, which shall include but not be limited to signing materials, pavement marking materials, energy attenuators, temporary barrier systems, flexible and non-flexible delineators and those items which are used in traffic signal systems, highway lighting systems and overhead sign lighting systems

1.06 PRODUCT EVALUATION COMMITTEES

- a. Two Product Evaluation Committees (PECs) are established under this Policy, the Traffic Control Product Evaluation Committee (TCPEC) and the Materials Product Evaluation Committee (MatPEC). The PECs are responsible for coordinating the evaluation of new products within the parameters of their operational policies. The PECs are responsible for coordinating the introduction of new, cost effective products and technologies to ADOT. The PEC chairpersons shall be responsible for resolving issues within their respective PECs and coordinating the resolution of issues that include both PECs.
- b. The TCPEC has the authority to approve or disapprove all traffic control products for addition to the Approved Products List (APL) or to remove traffic control products from the APL that are no longer acceptable to ADOT.

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- c. The TCPEC shall be chaired by the Assistant State Engineer, Traffic Group. The chairperson shall determine the membership of the TCPEC, subject to the conditions of this paragraph. The chairperson may consult with other TCPEC members regarding individuals or organizations to include in the TCPEC. Members shall include at least 10 ADOT employees and may also include up to 7 additional individuals from outside organizations. The following organizations may be invited to nominate members to the TCPEC.
- FHWA – 1 member maximum
 - ATSSA – 2 members maximum
 - Local governments – 2 members maximum
 - *Ad hoc* members – 2 members maximum
- d. The *ad hoc* members may be added at the discretion of the TCPEC and may include, but are not limited to, university representatives or members of the general public. The total number of TCPEC members shall be determined by the TCPEC chairperson.
- e. The MatPEC has the authority to approve or disapprove materials products for addition to the APL or to remove materials products from the APL that are no longer acceptable to ADOT.
- f. The MatPEC shall be chaired by the Assistant State Engineer, Materials Group. The chairperson shall determine the membership of the MatPEC, subject to the conditions of this paragraph. The chairperson may consult with other MatPEC members regarding individuals or organizations to include in the MatPEC. Members shall include at least 5 ADOT employees and may also include a maximum of 4 additional individuals from outside organizations (including FHWA). The total number of MatPEC members shall be determined by the MatPEC chairperson.
- g. The PRIDE program administrator will serve as the Administrative Secretary to the PECs and shall maintain the APL.
- h. Establishing of Sub-committees: Sub-committees can be established by any PEC to review specialty issues. The sub-committees shall conduct themselves within the charters that are set by their originating PEC, and shall report all their findings and recommendations to the originating PEC for decision.
- 1.07 APPROVED PRODUCTS LIST (APL)
- a. The APL is to serve as a guide to what products are acceptable for use for construction and maintenance by ADOT. Not all products used by ADOT are listed on the APL. If an APL category does not exist for a product, approval through the PRIDE program is not needed to use the product. However, the PECs may elect to modify the APL by adding, deleting or modifying APL categories within their areas of responsibility.
- b. The PRIDE program administrator will maintain the APL. The APL format shall be developed and revised, as necessary, by the PRIDE program administrator with the concurrence of the PEC chairpersons.
- 1.08 PRIDE APPLICATIONS
- a. The format of the PRIDE application shall be developed by the PRIDE program administrator, with concurrence from the PEC chairpersons. Modifications or updates to the application format may be made at the discretion of this group.

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- b. Procedures for submitting a PRIDE application shall be developed by the PRIDE program administrator, with concurrence from the PEC chairpersons. Modifications or updates to these procedures may be made at the discretion of this group and will be documented in meeting summaries.

1.09 TESTING

For products being proposed for inclusion on the APL that require testing, the testing can be done by ADOT or by an independent testing laboratory. The TCPEC or MatPEC will determine what tests are to be performed on a given product and assign an individual to direct the tests. Test results shall be documented.

1.10 EVALUATION PROCESS

- a. The PRIDE program administrator will evaluate the completeness of all new product applications submitted under the PRIDE program. Those submittals not meeting program requirements will not be forwarded to a PEC for consideration. If an application is submitted for a product that is clearly not addressed by the APL, the PRIDE program administrator will notify the applicant that no action will be taken to either approve or disapprove of the product with respect to the APL.
- b. If an application is submitted for a product that the PRIDE program administrator believes may be of interest to a PEC the product information will be presented at the appropriate PEC meeting. A PEC may create or modify an APL category to accommodate a product if the PEC believes there is a need for such an action.
- c. Each complete application will be logged into a database maintained by the PRIDE program administrator and assigned a unique identification (ID) number. After an application is logged in the PRIDE program administrator will coordinate identification of lead evaluators for the product with the PEC chairpersons. If a product appears to have a potential chemical safety or health concern a copy of the material safety data sheet (MSDS) for the product will be forwarded to the ADOT Safety and Health unit for evaluation. Further consideration of such products will be subject to a written response from the ADOT Safety and Health unit confirming their acceptability to ADOT with respect to safety and health considerations.
- d. After applicable safety and health approvals (if any) are obtained the PRIDE program administrator will forward a copy of the application to the lead evaluators. The lead evaluators will then be responsible for reviewing the applicant's submittal determining whether additional information from the vendor is needed and how to implement tests specified by the PECs, if any, or other tests that may be necessary.
- e. Upon completion of the initial evaluation the product application will be scheduled for discussion at a meeting of the appropriate PEC. The applicable PECs may then vote on the acceptability of the product, or request further evaluation. If further evaluation is required, the process will continue until the applicable PECs make a final decision on the application.

1.11 APPLICANT NOTIFICATION

If a product is approved for listing on the APL, the PRIDE program administrator will provide a written notification to the applicant regarding this approval. If a product is disapproved the applicant will be notified of this decision and a copy of applicable documentation will be sent to the applicant. The disapproval notice will contain sufficient information to ensure the applicant can understand the reasons the subject product was not approved. (See Section 1.12.) When a product is approved,

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the notice to the applicant will contain the approval date and the date the product requires re-certification.

1.12 APPEAL PROCESS

a. If a product receives an unfavorable decision from a PEC after the committee has reviewed the applicant's proposal and all relevant information, the applicant will be notified. The applicant may file an appeal with the PRIDE program administrator. The appeal must be received by ADOT within 30 days after the vendor receives notification from the PRIDE program administrator. The appeal shall be in writing and shall include the following information as a minimum:

- (1) The name, address and telephone number of the appellant.
- (2) The appellant's signature.
- (3) Name of the product and PRIDE program identification number.
- (4) A detailed statement of the factual grounds for the appeal with supporting documents to specifically address the shortcomings of the PEC analysis.
- (5) The form of relief suggested.

b. All appeal correspondence shall be addressed to the PRIDE program. The PRIDE program administrator will review the appeal submitted by the applicant for completeness. The appeal will be considered incomplete if it addresses only the disagreement with the PEC's decision without pointing out any error in the PEC's analysis or the procedure through which this product was evaluated. Only those completed appeals received by the PRIDE program within the stated 30-calendar-day limit will be presented to the PECs for ruling. Presentation of the completed appeals will be in the next meeting of the respective PEC if they are received by PRIDE program administrator more than 14 calendar days before the scheduled meeting. After considering all the facts that have been presented by the applicant and the responsible PEC the PEC may select one or more of the following resolutions:

- (1) Require a new test or evaluation by ADOT.
- (2) Require a new test or evaluation by an independent testing laboratory.
- (3) Add the subject product to the APL.
- (4) Deny the appeal.

APPENDIX B

PRIDE APPLICATION INSTRUCTIONS

Product Evaluation Application Instructions

Introduction

The Product Resource Investment Deployment and Evaluation (PRIDE) program is designed to assist the Arizona Department of Transportation (ADOT) select products for use by the Department. Products selected through the PRIDE program are listed on the ADOT [Approved Products List](#) (APL).

The categories of products covered by the PRIDE program are shown on the APL. A request for evaluation requires submission of a complete [Application for Product Evaluation](#) (Application). The format of this submittal is discussed in the following sections. A separate Application shall be submitted for each product. Furthermore, a product with more than one use in the highway industry shall be submitted with a separate Application for each use.

All requests must be submitted to ADOT with the appropriate forms and the required information.

**Two complete copies of each application
(including attachments) must be submitted.**

The submittal address is:

**PRIDE Program
Arizona Department of Transportation
2739 East Washington Street, Mail Drop 075R
Phoenix, Arizona 85034-1422**

Tel: (602) 712-3134

Reference Documents

[Application for Product Evaluation](#)
[Approved Products List](#)
[ADOT Specifications](#)

Evaluation Options

Only one of the following options should be selected for each Application.

- (1) Applications for products covered by current ADOT specifications should be submitted using the guidance described in Section 1 of these instructions.
- (2) Applications for products that are not covered by current ADOT specifications should be submitted using the guidance described in Section 2 of these instructions.

1. Acceptance Based on Current Specifications

The Applicant must identify the APL category or categories that would list this product. A copy of the APL may be viewed or downloaded here <http://www.azdot.gov/TPD/ATRC/pride/apl.asp>

ADOT has standard specifications and standard drawings, which encompass many of the products in the highway industry. If ADOT has applicable specifications the product will be evaluated based on these specifications. If this option is selected the applicant should identify the section of the ADOT specifications and other specifications that apply to the product under the *Application* heading *Product Meets the Following Specifications and Test Procedures*.

ADOT specifications and standard drawings are available from ADOT Engineering Records. The complete reference copy of the specifications, *Standard Specifications for Road and Bridge Construction - 2000*, is available in hard copy form only. It may be obtained from:

Arizona Department of Transportation
Engineering Records Section
1655 W. Jackson - Room 175 - Mail Drop 112F
Phoenix, Arizona 85007-3217
Telephone (602) 712-8216 or 712-7498
FAX: (602) 712-3235

Updates to the reference document, or Stored Specifications, are available from the Internet at:

http://www.azdot.gov/highways/cns/CNS_Stored_specs.asp

The *Application* should include necessary support documentation, such as certifications of compliance from independent laboratories and Material Safety Data Sheets. It is the *Applicant's* responsibility to satisfy all criteria set forth in ADOT current specifications.

2. Request for Evaluation

The *Applicant* must identify the APL category or categories that would list this product. A copy of the APL may be viewed or downloaded here. ([Approved Products List](#))

Products which have no applicable ADOT specifications or standards require a case-by-case evaluation. The evaluation program will be based on the recommendation of one of ADOT's Product Evaluation Committees (Materials and Traffic Control).

The *Application* should include necessary support documentation, such as reports, brochures, etc. The supporting material should demonstrate the product's advantages and benefits to ADOT. Each *Application* submitted under *Section 2* of this Policy shall contain, as a minimum, the following elements:

1. A completed *Application* signed by an authorized agent of the company.
2. An estimated cost of the product or procedure (delivered to Phoenix).
3. Specifications for the product or procedure.
4. A description of the claimed advantages over existing products or procedures (be specific).
5. Verification of the advantages. (Include laboratory reports, data, calculations, etc.)

6. History of past use, if any. Include reports of evaluations, if any, with names and telephone numbers of contacts, and whether or not such evaluations support the claimed advantages.
7. Availability of product. (State whether the product is in commercial production. If so in what quantities? If not when will it be?)
8. Safety and environmental precautions associated with the product or procedure. Include a completed copy of the Occupational Safety and Health Administration Material Safety Data Sheet.
9. Description of the desired evaluation program. Discuss the project type, project duration, quantities, controls, specifications, special features, etc.
10. A statement that the product or procedure will be provided to ADOT free of charge in support of the proposed evaluation program.
11. A statement that the *Applicant* will provide technical assistance in formulating the evaluation program at no cost to ADOT.
12. A statement that the *Applicant* will reimburse ADOT for costs involved in conducting any special tests or other extra costs involved in testing. The terms and conditions of the *Applicant's* reimbursement offer should be clearly stated, including, but not limited to statements regarding the maximum funding proposed by the *Applicant* for the evaluation, the proposed joint adventure agreement, and the terms of reimbursement.
13. A statement that the *Applicant* agrees to provide on-site technical assistance during any field tests at no cost to ADOT.
14. A statement granting permission to ADOT to reproduce, in full or in part, any information supplied by the *Applicant* in association with the *Application* unless specifically excluded and clearly marked as not being authorized for reproduction. This permission also will apply to material with copyrights held by the *Applicant*.

Items 11 through 14 above must be explicitly listed in the *Application*. If the *Applicant* cannot comply with a condition required by Items 11 through 14, this must be clearly stated in the *Application*, along with special terms or conditions the *Applicant* proposes to place upon such requirements.

If a Product Evaluation Committee recommends a product for evaluation, the Committee will propose an ADOT evaluation strategy. This may include preparation of a work plan to accomplish the evaluation. Evaluations will be performed in strict accordance with such work plans.

Material Safety Data Sheets

A Material Safety Data Sheet (MSDS) must be included in applications for products with chemical constituents. The MSDS must list all hazardous and non-hazardous materials. A statement that a portion of the product is made up of non-hazardous materials is not sufficient information for ADOT to evaluate the product.

Exceptions

This policy shall not preclude ADOT from performing, on its own initiative, evaluations or field tests of any product or procedure which may benefit ADOT. This includes products or procedures originating from sources other than vendors, as well as vendor proposals which include exceptions to requirements set forth in this policy.

Product Endorsement

The evaluation or use of a product by ADOT does not constitute an endorsement by ADOT nor does it imply a commitment to purchase, recommend, or specify the product in the future. Furthermore, the vendor is prohibited from using ADOT or its test results in product advertising.

**PLEASE DO NOT SEND ANY PRODUCT SAMPLES
UNTIL THEY ARE REQUESTED BY ADOT**

APPENDIX C

PRIDE APPLICATION FORM

Arizona Department of Transportation
Product Resource Investment Deployment and Evaluation (PRIDE) Program

APPLICATION FOR PRODUCT EVALUATION
Submit two copies of this completed document and all attachments.

I, _____ being an authorized
(Name of Company Representative)

agent of _____, request that
(Company Name)

the Arizona Department of Transportation (ADOT) perform a product evaluation of

(Name of Product)

I have read and understood the ADOT Product Evaluation Instructions. The subject product (hereinafter PRODUCT) is submitted for evaluation under the PRIDE program as noted below. (Select either a *Section 1* or *Section 2* evaluation by checking the applicable statement.)

_____ *PRODUCT is submitted to ADOT for evaluation under current specifications.*
Submit all the necessary information as described in SECTION 1 of the Application instructions. When selecting this option you must identify the section of the ADOT specifications and other specifications that apply to the product under the Application heading *Product Meets the Following Specifications and Test Procedures.*

_____ *PRODUCT is not covered by ADOT specifications. PRODUCT is submitted to ADOT for evaluation under PRIDE criteria.*
Submit all the necessary information as described in SECTION 2 of the Application instructions.

(Signature of Company Representative)

(DATE)

Identify the ADOT Approved Products List (APL) category or categories that would list this PRODUCT. A copy of the APL may be viewed or downloaded from the PRIDE web site at:
<http://www.azdot.gov/TPD/ATRC/pride/index.asp>

APL Categories applicable to the PRODUCT:

Arizona Department of Transportation
Product Resource Investment Deployment and Evaluation (PRIDE) Program

Has the PRODUCT previously been submitted to the PRIDE program for evaluation?

Yes ___ No ___

If yes, please provide the previous PRIDE application identification number(s).

Is the PRODUCT part of a family of products that has been previously evaluated under the PRIDE program?

Yes ___ No ___

If yes, please identify and describe this family of products.

Is the PRODUCT a replacement for a product the *Applicant* manufactures that is presently on the APL?

Yes ___ No ___

If yes, please identify the product being replaced and the applicable APL category.

Arizona Department of Transportation
Product Resource Investment Deployment and Evaluation (PRIDE) Program

MANUFACTURER: _____

ADDRESS: _____

INTERNET URL: _____

CONTACT: _____

TELEPHONE: _____

FAX: _____

E-MAIL: _____

DISTRIBUTOR: _____

ADDRESS: _____

INTERNET URL: _____

CONTACT: _____

TELEPHONE: _____

FAX: _____

E-MAIL: _____

PRODUCT:

Trade Name: _____

Description: _____

Primary Use: _____

Secondary Use: _____

Guarantee: _____

Arizona Department of Transportation
Product Resource Investment Deployment and Evaluation (PRIDE) Program

PRODUCT MEETS THE FOLLOWING SPECIFICATIONS AND TEST PROCEDURES:

(The applicable ADOT Specification **must be identified** for *Section 1* Applications.)

ADOT: _____
ASTM: _____
AASHTO: _____
OTHER: _____

PRODUCT is proposed for the following specific uses: _____

GENERAL:

Attach available literature pertaining to the product, including, but not limited to, instructions and limitations for use, composition or laboratory analyses, handling precautions, health hazards, a complete Material Safety Data Sheet, specifications, installation and maintenance manuals or pamphlets, and cost. The Arizona Department of Transportation reserves the right to refuse to test any material that cannot be safely tested with the laboratory equipment available to ADOT. If unused product portions would be considered hazardous waste (as defined by 40 CFR 261 *et seq.*) then the *Applicant* must accept the financial responsibility for proper return or disposal of this material.

Return two copies of the completed *Application* and the appropriate attachments to:

PRIDE Program
Arizona Department of Transportation
2739 East Washington Street, Mail Drop 075R
Phoenix, Arizona 85034-1422

Tel: (602) 712-3134

**Two complete copies of each application
(including attachments) must be submitted.**

**PLEASE DO NOT SEND ANY PRODUCT SAMPLES UNTIL THEY
ARE REQUESTED BY ADOT**