AASHTO Technology Implementation Group
Nomination of Technology Ready for Implementation

Sponsor	Nominations must be submitted by an AASHTO member DOT willing to help promote the technology	1. Sponsoring DOT (State): **ARIZONA**		
		2. Name and Title: **PAULA GIBSON, CHIEF RIGHT OF WAY AGENT, RIGHT OF WAY GROUP**		
		Organization: **ADOT RIGHT OF WAY GROUP**		
		Street Address: **205 S. 17TH AVENUE, MAIL DROP 612 E**		
		City: **Phoenix**	State: **AZ**	Zip code: **85007**
		E-mail: **PGIBSON@AZDOT.GOV**	Phone: **602.712.8758**	Fax: **602.712.3257**
		3. Is the sponsoring State DOT willing to promote this technology to other states by participating on a Lead States Team supported by the AASHTO Technology Implementation Group? Yes or No: **YES**		
Technology Description (10 points)	The term "technology" may include processes, products, techniques, procedures, and practices.	4. Name of Technology: **"EXISTING RIGHT OF WAY PLANS INDEX" WEB SITE**		
		5. Please describe the technology. (SEE ATTACHED) **A readily accessible and user friendly web site that conveniently provides existing right of way plans and maps with a click of a key. A beneficial resource that has allowed outside customers and inside personnel the opportunity to obtain critical plans information electronically on any state highway at any given time. The need for a more efficient delivery mechanism was brainstormed until a solution was determined feasible and attainable. The outcome is a well thought out process that developed into an invaluable resource used regularly.** **If this is new to you - your DOT could benefit from this technology. It is successfully utilized and offers an extremely high benefit that is market ready and available for use by other interested agencies.**		
		6. If appropriate, please attach photographs, diagrams, or other images illustrating the appearance or functionality of the technology. (If electronic, please provide a separate file.) Please list your attachments here. **Please see attached photos for quick overview. But to try out our Existing Plans Index go to:** **http://azdot.gov/business/RightofWay_Properties/existing-plans-index**		
State of Development (30 points)	Technologies must be successfully deployed in at least one State DOT. The TIG selection process will favor technologies that have advanced beyond the research stage, at least to the pilot deployment stage, and preferably into routine use.	7. Briefly describe the history of its development. **The Right of Way (R/W) Plans Section of ADOT is responsible for developing, housing and maintaining the Department's historic R/W mapping for the entire state. Additionally, The R/W Plans Section is responsible for making this information available to other Sections within the Department, other government and municipal agencies, civil engineering designers, land surveyors and the general public.** **In the past this information was only available by making a request by telephone or by visiting the R/W Plans Section offices in Phoenix, AZ. As such, obtaining ADOT R/W information was not convenient for many and created a vastly fluctuating burden on R/W Plans Section personnel.** **To improve the accessibility and the efficiency of providing ADOT's R/W information, the R/W Plans Section has developed an internet web site that is readily accessible to everyone and is set up in an uncomplicated, easy to use, format.**		
		8. For how long and in approximately how many applications has your State DOT used this technology? **About 5 years. We used the idea of interlinking PDFs not only for our Existing Plans Index, but we also use it to interlink all the sections of our Right of Way Manual. Our Records Center staff use it to interlink our scanned Parcel files, and our Right of Way Title Examiners utilize the Existing Plans index to create interlinked Titles Exhibit maps for reporting purposes.**		
		9. What additional development is necessary to enable routine deployment of the technology? **If you are going to make your documents available online, you will need a webpage that will host all the documents for you.**		
		10. Have other organizations used this technology? Yes or No: UNK If so, please list organization names and contacts.		

		Organization	Name	Phone	E-mail

Potential Payoff (30 points)	Payoff is defined as the combination of broad applicability and significant benefit or advantage over other currently available technologies.	11. How does the technology meet customer or stakeholder needs in your State DOT or other organizations that have used it? **The technology provides the general public with a well organized user friendly means of obtaining existing plans information on line, avoiding the need to make telephone requests or make trips to the R/W Groups Office in Phoenix, AZ.** **It also greatly reduces the burden on in-house staff to address information requests via the telephone and in-house visits.**
		12. What type and scale of benefits has your DOT realized from using this technology? Include cost savings, safety improvements, transportation efficiency or effectiveness, environmental benefits, or any other advantages over other existing technologies. **The amount of telephone requests and in-house visits by the public has been reduced to only a small fraction of what it was prior to establishment of this web site.** **The reduction of these requests has enabled the R/W Plans Section staff to work more efficiently and effectively on the vast ongoing workload of the Section.**
		13. Please describe the potential extent of implementation in terms of geography, organization type (including other branches of government and private industry) and size, or other relevant factors. How broadly might the technology be deployed? **This web site is available to all the different areas within ADOT as well as other agencies and the general public. Anyone with Internet access can utilize.** **The web site enables all of its users to readily access the vast amount of information at any time. Plans included date well back to statehood and territorial times.**
Market Readiness (30 points)	The TIG selection process will favor technologies that can be adopted with a reasonable amount of effort and cost, commensurate with the payoff potential.	14. What actions would another organization need to take to adopt this technology? **All the existing plans would have to be scanned.** **The web site would have to be set up, maintained and monitored.** **The costs is minimal yet the payoff is invaluable.**
		15. What is the estimated cost, effort, and length of time required to deploy the technology in another organization? **It really depends on what do you want make available for other people to see. We started with adding one highway to the website and then we kept adding additional highways until we scanned all the plans and strip maps in our Plans file room. We post updates every other week as projects get completed. The time involved to simply maintain the site is very minimal. The largest time component is initially scanning all plans and adding legends.**
		16. What resources—such as technical specifications, training materials, and user guides—are already available to assist deployment? **The beauty of this method was that we did not need anything other than a scanner, a computer, Adobe Acrobat Professional and a webpage to create the Existing Plans Index. We found that interlinking PDF documents was an easy way to disseminate a lot of information without any special programming or technical knowledge. Simple technology morphed into an outstanding resource and benefit.**

		17. What organizations currently supply and provide technical support for the technology? **The ADOT R/W Plans Section and the ADOT Web Team.**
		18. Please describe any legal, environmental, social, intellectual property, or other barriers that might affect ease of implementation. **In order to be able to view our Existing Plans index the general public would need a web browser that allow pop-ups on this page and adobe reader or professional installed with the default option of "Display PDF in Browser" checked.**
Submit Completed form to		*http://transportation1.org/tig_solicitation/Submit.aspx*