

Executive Summary

Coordinated Technology Implementation Program Request for Funding FY 2005

A brief summary of the following two FY 2005 is provided:

- Trip Generation Rates in Indian Country \$200,000
- Modal Choice and Advanced Traveler Information
- Park Network Demonstration Project \$360,000

Attached are the two FY 2005 WFLHD Coordinated Technology Implementation Program (CTIP) Request for Funding statements. The total proposed WFLHD CTIP program is \$560,000. The duration of these two proposals is two years with an estimated combined cost of \$280,000 for each fiscal year.

We have developed these proposals through a systematic process following the FLH Technology Road Map. These proposals have been coordinated with all functional areas in WFLHD and our affected stakeholders.

All of the FY 2005 requests submitted by the three Divisions and the CTIP Council Members were reviewed, ranked, and prioritized by the CTIP Council members.

Executive Summary

Coordinated Technology Implementation Program Request for Funding FY2005

<p>Project Title: Modal Choice and Advanced Traveler Information Park Network Demonstration Project</p>	<p>FHWA Strategic Goal Area: Mobility</p>
<p>Background and Purpose: Yellowstone National Park and Grand Teton National Park are linked by US 89. These two popular National Parks are lie directly adjacent to each other. Visitation is high at both parks, this leads to traffic congestion both within and outside the park in the gateway communities. Currently there is a plan to improve transit in the area and new alternative fuel retro “Yellow Buses” have been ordered for the transit service.</p> <p>The purpose of the project is to implement an ITS link between Yellowstone and Grand Teton National Parks to help alleviate congestion. Information kiosks would be placed at strategic locations at both parks (i.e. visitor centers) and in a few locations along the corridor. The kiosks would provide information about the parks, the scenic highway, public transportation services, wayfinding, interpretation, and other pertinent information, such as weather and road construction updates.</p>	<p>Estimated Costs: The total estimated cost of this proposal including deployment is \$360,000</p> <p>FY 05 - \$180,000 FY 06 - \$180,000</p> <p>Duration: FY 2005 FY 2006</p>
<p>Scope: The General Management Plans, Transportation Studies, and Park, State and Regional ITS Plans will be reviewed. The project will be coordinated with representatives of the parks, gateway communities, Clean Cities Coalition and other interested parties. This team will define what information should to be included on the kiosks and the best kiosk locations for this demonstration. With the assistance of a consultant an ITS kiosk package will be selected that is a best fit for this deployment. A fatal flaw analysis will be done to determine any restrictions on power, operating requirements, maintenance, and cost.</p>	<p>Champions: Valerie Rodman Transportation System Planner Phone: (360) 619-7984</p>

<p>Project Title: Trip Generation Rates in Indian Country Showcasing of Technology Deployment Initiatives</p>	<p>FHWA Strategic Goal Area: Mobility</p>
<p>Background and Purpose: The Institute of Traffic Engineers (ITE) published the 7th edition of Informational Report--Trip Generation in the fall of 2003. In that document the Institute announced a particular interest in receiving data and asked for the study of casino facilities. Trip generation models for facilities and needs within Indian Communities, and for facilities developed by Tribes, is severely lacking.</p> <p>As Tribes plan casinos for economic development, a reliable traffic impact to the surrounding transportation system network cannot be determined. Development of a trip rate generation model for casinos would have nationwide use, both in Tribal and Non-tribal transportation planning.</p> <p>This would allow Tribes and local communities to address transportation issues consistent with standard best practices applied by planners in non-Indian communities. This would lead to more dynamic interactive solutions between Indian Communities and the surrounding transportation facilities</p>	<p>Estimated Costs: The total estimated cost of this proposal including deployment is 200,000.</p> <p>Fiscal Year 2005: \$100,000 Fiscal Year 2006: \$100,000</p> <p>Duration: FY 2005 FY 2006</p>
<p>Scope:</p> <ol style="list-style-type: none"> 1. The BIA Planner and FLH Planner will organize a kick off meeting with key stakeholders. 2. This meeting will develop a tribal transportation community list of priorities for trip generation. 3. Then BIA and FLH will develop a scope of work for a consultant. <p>The scope of work will be limited to a few trip generation models (casino and dwelling) or related to a type of trip (cultural trip). Depending on the scope, vehicle occupancy in Indian communities could be added to the scope. The scope of work will be used to contract with a tribal or private entity to complete the project.</p> <p>The study design will adhere to the ITE recommended practice and criteria manual, <u>The Trip Generation Handbook</u>.</p> <p>Members in the Tribal Transportation Community will evaluate the draft trip generation models. The evaluation will be addressed in a final revision of the trip generation models.</p>	<p>Champions: BIA Champion Name: Kyle Kitchel Phone: 503 872 2869</p> <p>FLH Champion Name: Pete Field Phone: 360 619-7619</p>