

Session 60

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FL. Dept. of Transportation SMO

GIS, Update on Enterprise Efforts

Topic Description

This session will cover the current status of the Florida Department of Transportation Enterprise GIS initiative.

Speaker Biography

Mr. Causseaux has 13 years of surveying experience, starting his career surveying for the US Army in October of 1992. After the military he continued surveying with private firms in the Tallahassee area joining a Surveying Crew at FDOT District 3 in 1997. He joined the Central Office Surveying & Mapping Office in 1999; he has been responsible for many aspects of the digital imaging and digital mapping business - analysis, research and development, planning, procedures and supervising. He is presently the Departments GIS Coordinator as well as the Photogrammetry Supervisor for the Departments Surveying and Mapping Office.



GIS, Update on FDOT Enterprise Efforts

Jared Causseaux
FDOT GIS Coordinator



Topics

- Strategy
- FDOT Enterprise GIS Website
- Enterprise GIS Technology Assessment
- Current Status
- Questions



Strategy

- Enterprise GIS Coordination using Steering Committees
 - GIS Management Steering Committee
 - GIS Functional Steering Committee
 - Possible subcommittees



Strategy

- FDOT GIS Management Steering Committee
 - First meeting was August 16, 2005
 - The objective was to Establish Direction for Statewide GIS Coordination
 - A vision was established
 - Goals were set



Strategy

- **Vision:**
 - GIS is the standard method of providing useful and usable information by the year 2010.
- **GIS Management Steering Committee Mission:**
 - Promote and ensure consistent and efficient use of GIS.



Strategy – Goals of GIS Program

- Establishing a Statewide Clearinghouse of GIS Applications and Data
- Minimize Duplication and Maximize Uniformity of GIS Data
- Establish Clear and Formal Lines of Communication within the FDOT GIS Community
- Define Criteria and Requirements for Workgroup, Enterprise and External (Internet) GIS Applications
- Establish a GIS Training and Support Program
- Leverage Department and Statewide Resources to Drive Efficiencies
- Establish a Data Stewardship Model for FDOT

Strategy

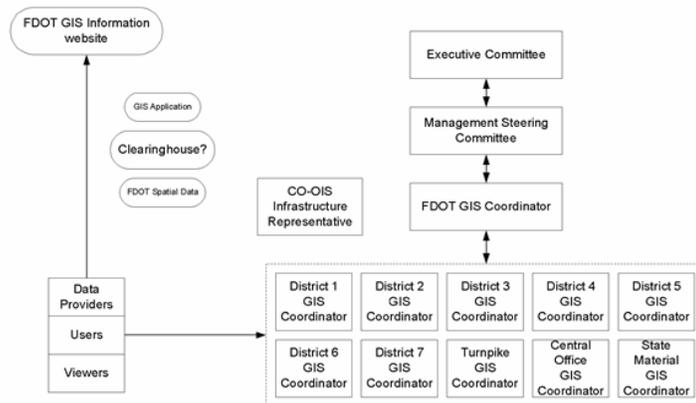
- **GIS Functional Steering Committee**

Mission:

- “Provide timely functional recommendations to enable the FDOT GIS Management Steering Committee to achieve their goals.”

FDOT GIS Community

All existing and potential spatial data providers, users and viewers within FDOT to include FDOT consultants





District GIS Coordinator Roles

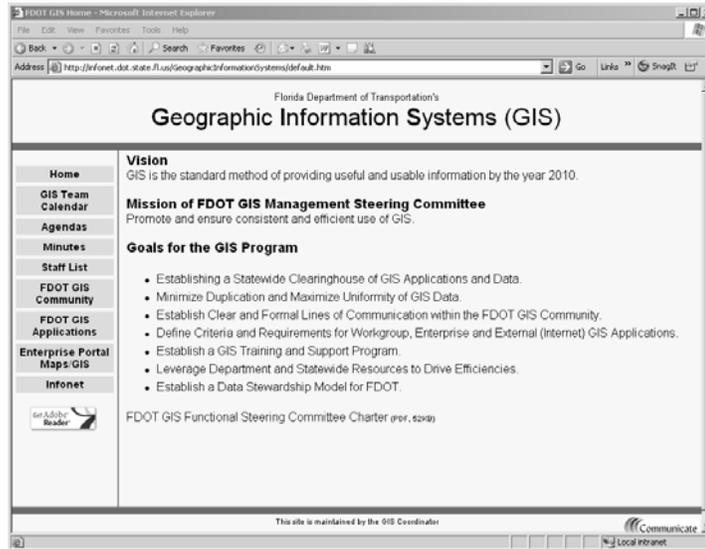
- Serves as a FDOT GIS Steering Committee Representative
- Ensure the adherence of the enterprise/district GIS goals
- Ensure the adherence of enterprise/district GIS standards & application development
- Facilitates joint development of data with other districts, local agencies and organizations.
- Coordinates GIS educational and training opportunities for District
- Facilitates communication within the GIS community for District via web pages, discussion group and maintenance agreement
- Stays current with GIS technology changes
- Coordinates data requests from outside the agency
- Helps develop a District policy on spatial data access and dissemination



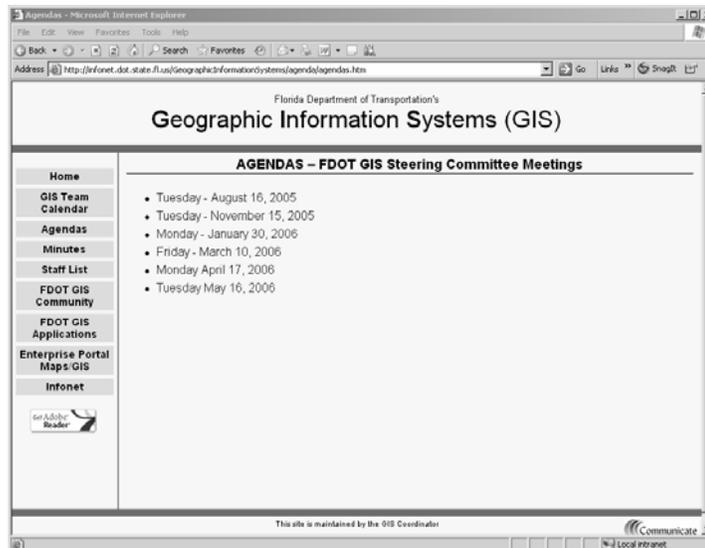
FDOT Enterprise GIS Website

- <http://infonet.dot.state.fl.us/GeographicInformationSystems>

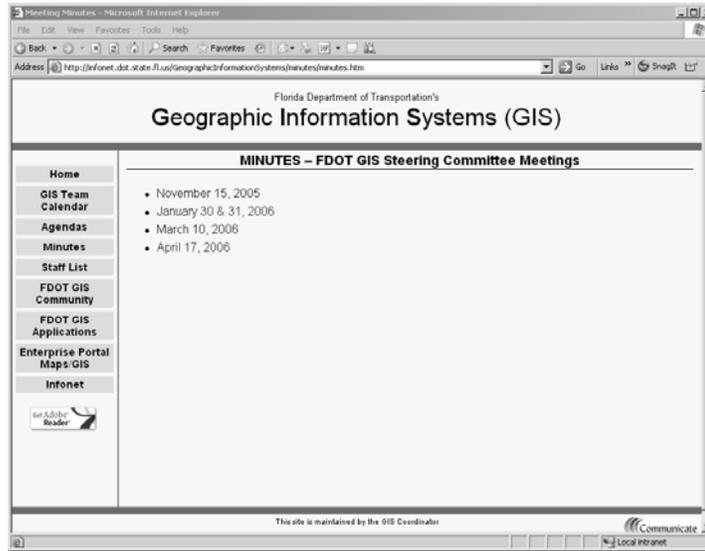
FDOT enterprise GIS Website



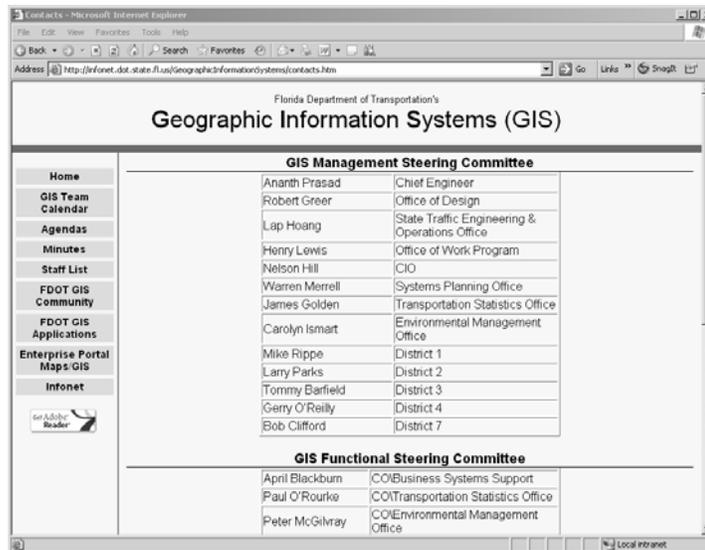
FDOT Enterprise GIS Website



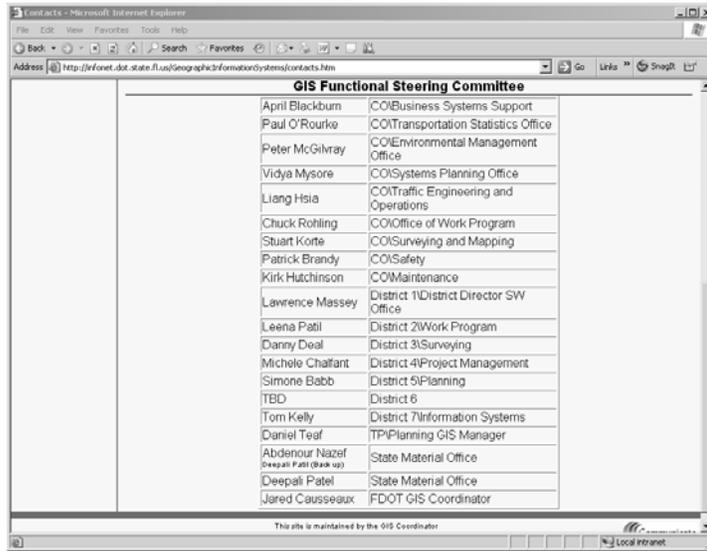
FDOT Enterprise GIS Website



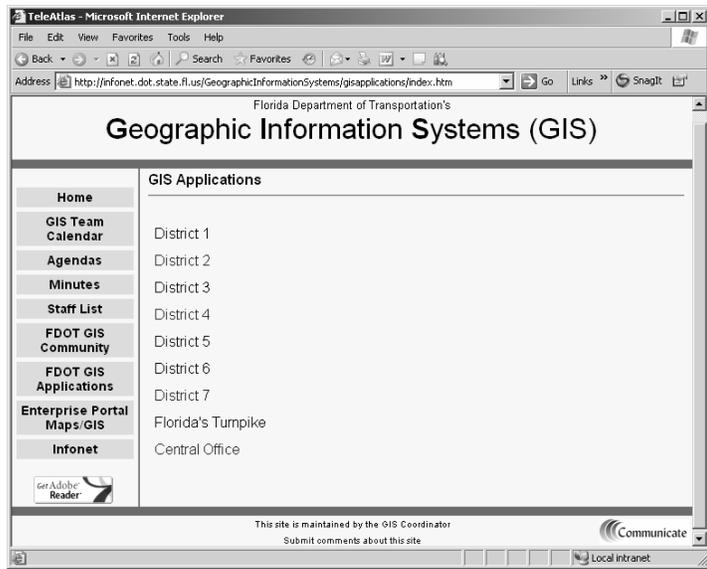
FDOT Enterprise GIS Website



FDOT Enterprise GIS Website



FDOT Enterprise GIS Website



GIS Team Room

Date	Topic	Author	Type
06/21/2006	Statewide Traffic Engineering Warehouse for Archived Regional Data (STEWARD) Research Project Web Site and Latest Report	Jared Causseaux/CO/FDOT	Reference
06/20/2006	Technology Assessment Presentation	Tom Kelly/D7/FDOT	Discussion
06/19/2006	FSC Agenda for June 20th	Jared Causseaux/CO/FDOT	Reference
06/09/2006	ESRI User Conference	Jared Causseaux/CO/FDOT	Reference
05/12/2006	Agenda for Tuesday, May 16, 2006	Jared Causseaux/CO/FDOT	Reference
04/24/2006	1 ESRI 2005 License Summary	Jared Causseaux/CO/FDOT	Action Item
	Review of ESRI 2005 License Summary 3 (Lawrence Massey/D1/FDOT 0502)		
04/21/2006	FDOT GIS Community Document	Jared Causseaux/CO/FDOT	Reference
04/21/2006	3 Latest Version of the Charter, please review so we can finalize this. Thanks	Jared Causseaux/CO/FDOT	Action Item
	Review of Charter (April C Blackburn/CO/FDOT 04/24)		
	Review of Latest Version of the Charter (Lawrence Massey/D1/FDOT 05/03)		
	Team Room alternative (April C Blackburn/CO/FDOT 06/21)		
04/21/2006	1 Agenda and notes from the April 17th FSC Meeting	Jared Causseaux/CO/FDOT	Reference
	Reviewed Meeting Minutes (April C Blackburn/CO/FDOT 04/24)		
04/17/2006	1 GIS Data Models	Lawrence Massey/D1/FDOT	Reference
	National GIS data sharing model poster (Abdenour Nazet/D4/FDOT 05/02)		
02/09/2006	3 Review FSC Charter	Jared Causseaux/CO/FDOT	Action Item
	VISION (Tom Kelly/D7/FDOT 02/16)		
	the draft charter (Michele Chantant/D4/FDOT 02/20)		
	A few Comments (Peter McQuinn/CO/FDOT 02/24)		
02/07/2006	1 Custodian and Owner Responsibilities - Data & Software	April C Blackburn/CO/FDOT	Reference
	GIS Data Custodians etc. (Tom Kelly/D7/FDOT 02/16)		
02/07/2006	1/30/2006 D7 Presentation	April C Blackburn/CO/FDOT	Reference
02/03/2006	January FSC Meeting Agenda	April C Blackburn/CO/FDOT	Discussion

Enterprise GIS Technology Assessment

- Objective
 - To document the existing and projected technologies
- Outcome
 - A greater understanding of IT system infrastructure
 - A planned modernization effort
 - Identify departmental standards



Enterprise GIS Technology Assessment

- **Recommendations from the Assessment Team:**
 1. Undertake an Iterative Data Modeling Approach to Publish the District-level Component of the Enterprise Geodatabase
 2. Establish a Data Modeling Advisory Group within the GIS Functional Committee
 3. Establish Geo-spatial Data & Metadata Standards
 4. Establish a Framework from which the Geodatabase Can Interface with Other Enterprise Systems
 5. Align Existing & Future Spatial Development Activities with the Enterprise



Recommendations from the Assessment Team:

6. Include the Asset Management Information Requirements within the Enterprise GIS
7. Include State Materials Office Requirements within the District-level Enterprise GIS Effort
8. Utilize an Existing District Application as a Prototype
9. Create interfaces to External Data Repositories
10. Expose Enterprise Data through Web Services
11. Implement the WebFocus GIS adapter with the Enterprise GIS Viewer
12. Extend the use of WebFocus Reporting for Mainframe Systems
13. Continue to Advance the Programmatic Foundation to Sustain the Enterprise GIS

Current Status

- FDOT GIS Functional Steering Committee is meeting on a regular basis
- Mapping strategic plan to accomplish goals
- Exploring funding avenues
- Evaluating current procedures and policies
- Evaluating recommendations from the Technology Assessment

Questions



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