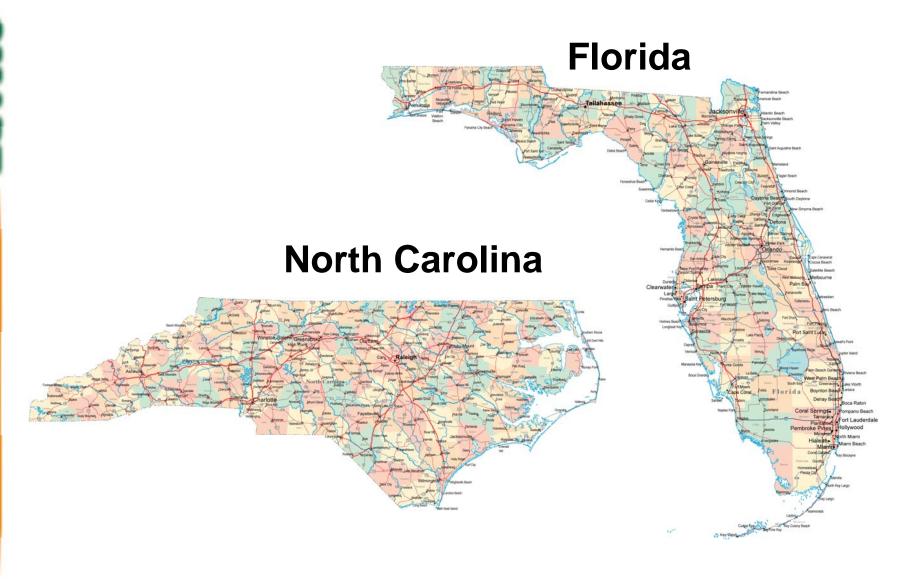


SMART Delivery Management System



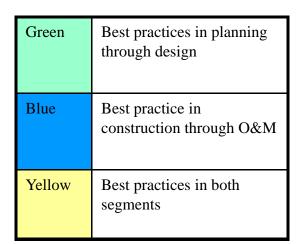


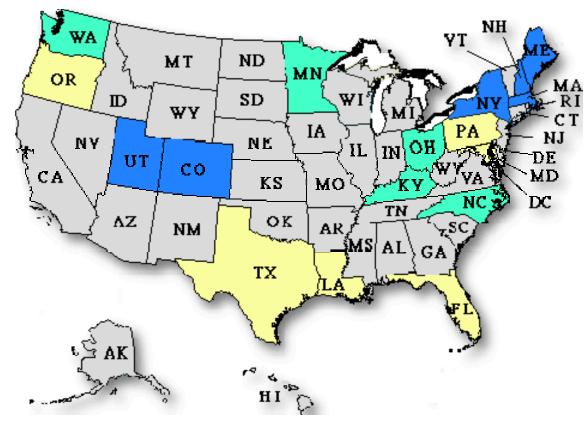


Assessment/Interviews

Organization	Total Interviews
TDOT	93
Resource Agencies	22
Other Stakeholders	9
Total:	124

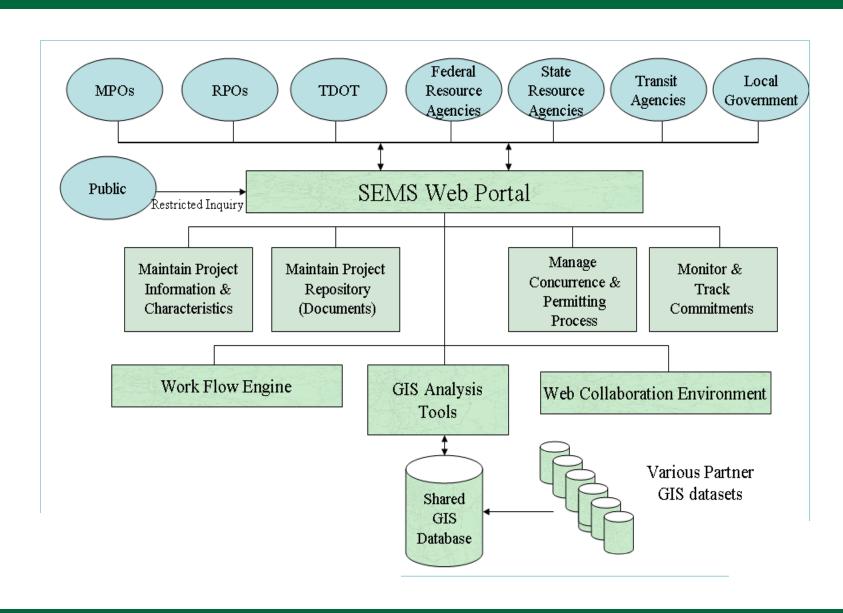
- Promote environmental stewardship
- Improve communication and collaboration
- Demonstrate accountability
- Manage organizational and cultural change
- Leverage existing technology investments





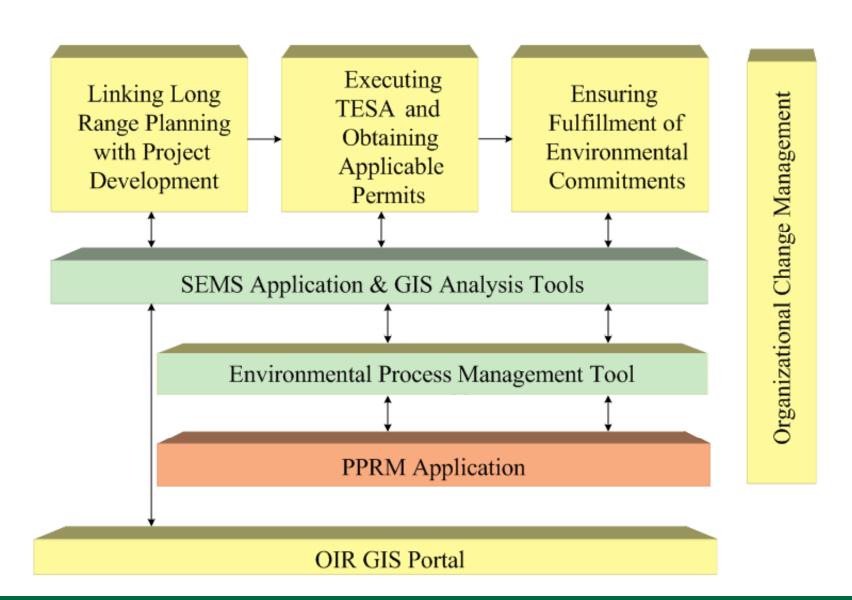
TD11T

SEMS Application Architecture



TD1T

SEMS Conceptual Design



Conducted EMS Demos

- FDOT
- VDOT
- NCHRP
- PennDOT
- TxDOT
- Conclusion
 - No one solution fits TDOT requirements
 - Customization required will likely outweigh the benefit of transferring any one solution
 - Elements of each solution should be used as a model for SEMS



Cost/Benefit Analysis

TESA/SEMS Implementation

- Expedite construction letting
- Expedite acquisition of right-of-way
- Expedite relocation activities
- Reduce costs and improve quality of various environmental documents
- Reduce construction delays, contractor claims & compliance costs
- Improve efficiency of project planning process

TDIT

Other SEMS Anticipated Benefits

- Increased predictability in project delivery schedule
- Ability to meet project delivery commitments
- Improved communication and collaboration with resource agencies
- Earlier identification of a project's potential impact on the natural and cultural environment and costs
- Improved cost estimating/more clearly defined scopes
- Improved environmental outcomes
- Environmental performance measures



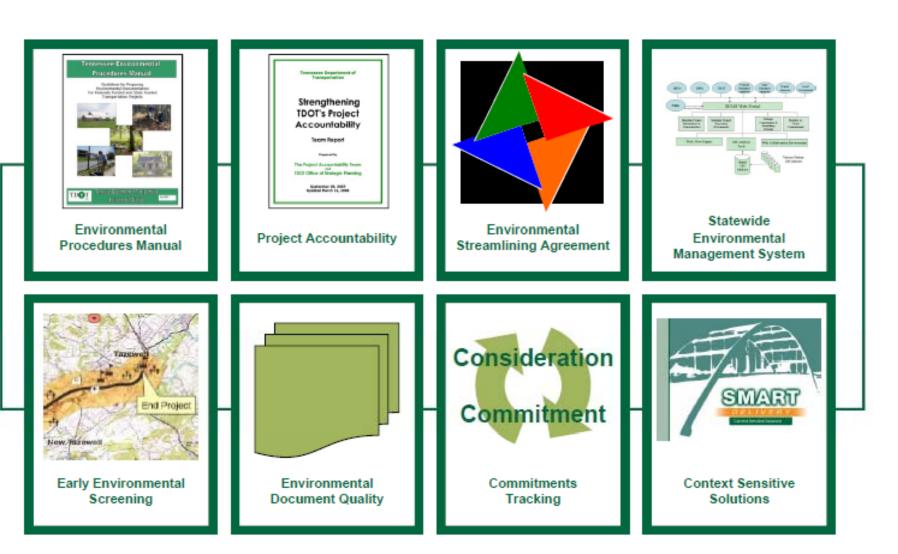
Streamlined to achieve efficient delivery with stewardship Manageable so resources are balanced with need Accountable for what we do Responsible to Tennesseans today and tomorrow Timely so transportation is delivered when it's needed



SMART Delivery Components

SMART

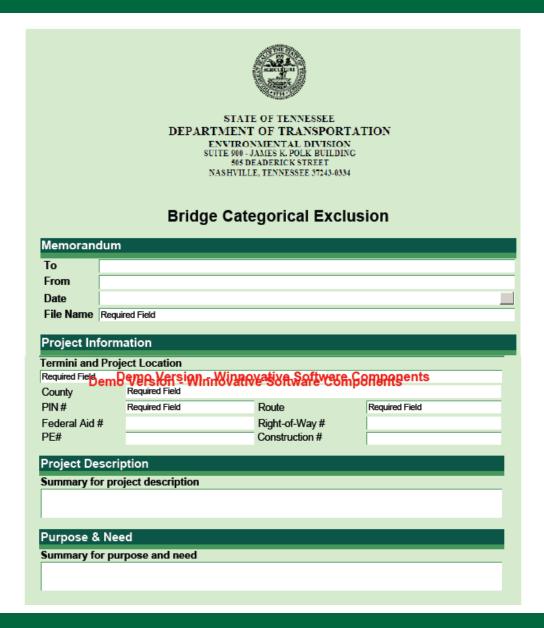






IDIT Environmental Document Quality

 Categorical Exclusion Template







Environmental Document Quality

QA MASTER COVERSHEET To be performed by TDOT before document goes for FHWA review Consulting Firm: Project Name: Project Termini: DocumentTitle: OA SUB-COVERSHEET DocumentNumber: High-Level Review Checklist To be performed by Consultant before document goes for TDOT review DocumentType: Consulting Firm: Project Name: Project Termini: PIN: DocumentTitle: DocumentNumber: DocumentType: ■ EIS Draft □ EIS Final □ FONSI □ TEER □ Project Information FINAL DOCUMENT APPR Make sure job title, project termini, document number, PIN, etc. are correct Required project manager signitu □ Project Content Make sure purpose and need, project alternatives, etc. are complete and accurate ■ Attachments and Documentation Making sure all required documentation and attachments are included and accurate □ Spelling □ Grammar □ Acronyms A review to check the use of acronyms ☐ Final Review

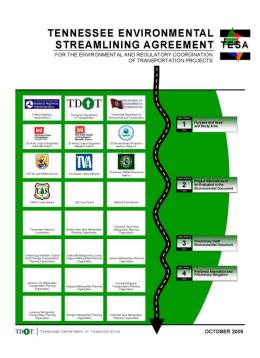
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TDOT PM/Consultant:			
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Project Termini:			
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	Print Name	Signiture	Date
High Level Review:			
Attachments and req Required document s Technical Review: Spelling, grammar, ai Acronyms and abbret Style, format, and gra	ulred documentation ignitures and syntax viations	and need, project alternative	
FINAL DOCUMENT AP		nt has been reviewed and is nea	Date:

TD1T

Environmental Document Quality

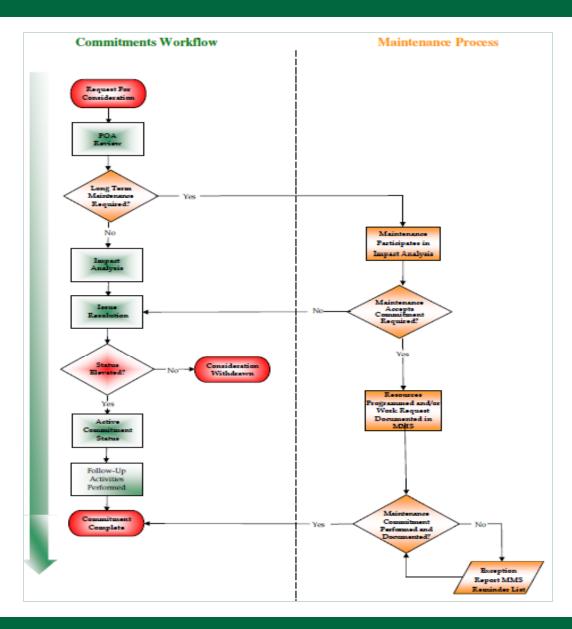
Auditorium	n – Project Manager Lev	el Courses	IT Conference Roo	m – Technical Areas
Day 1	Day 2	Day 3	Day 4	Day 5
08:00 - 12:00 Project Development Process (4 hrs)	8:00 AM - 10:00 AM Effective Reader Friendly Documents (2 hrs)	8:00 AM - 12:00 PM EA/EIS Process & Templates (8 hrs)	8:00 AM - 9:00 AM Project Development Overview Process (1 hr)	8:00 AM - 10:00 AM HazMat (2 hrs)
12:00 PM - 1:30 PM Lunch	10:30 AM - 12:00 PM TDOT Public Involvement	12:00 PM - 1:30 PM Lunch	9:30 AM - 11:30 PM EJ/CIA (2 hrs)	10:30 AM - 12:30 PM Historical (2 hrs)
1:30 PM - 3:30 PM TESA (2 hrs)	(1.5 hrs) 12:00 PM - 1:30 PM	8:00 AM - 9:00 AM	12:00 PM - 2:00 PM Ecological & ESA (2 hrs)	1:00 PM - 3:00 PM Air Noise (2 hrs)
	1:30 PM - 5:30 PM CE Process & Templates (4 hrs)	EA/EIS Process & Templates Continued	2:30 PM - 4:30 PM Archaeological & Tribal Interest (2 hrs)	
IT Confe	erence Room – Technic	al Areas	Web	Only
	8:00 AM - 9:00 AM Project Development Overview Process (1 hr) 9:30 AM - 11:30 AM EJ/CIA (2 hrs) 12:00 PM - 2:00 PM Ecological & ESA (2 hrs) 2:30 PM - 4:30 PM Archaeological & Tribal Interest (2 hrs)	8:00 AM - 10:00 AM HazMat (2 hrs) 10:30 AM - 12:30 PM Historical (2 hrs) 1:00 PM - 3:00 PM Air Noise (2 hrs)		dures Manual Updates eference Material

- Establish a coordinated planning and project development process for major transportation projects
- Ensure significant agency and MPO participation and involvement early and throughout the project development process
- Streamline the NEPA process
- Coordinate NEPA, permitting and Section 106 processes
- Implement environmental stewardship and environmental review process improvements.



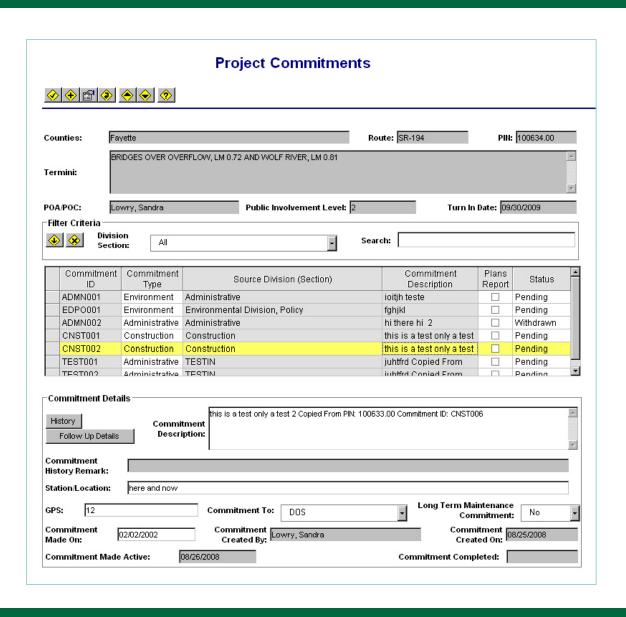


Consideration/Commitments Process





Consideration/Commitments Process





GIS Data Collection/Process Mapping

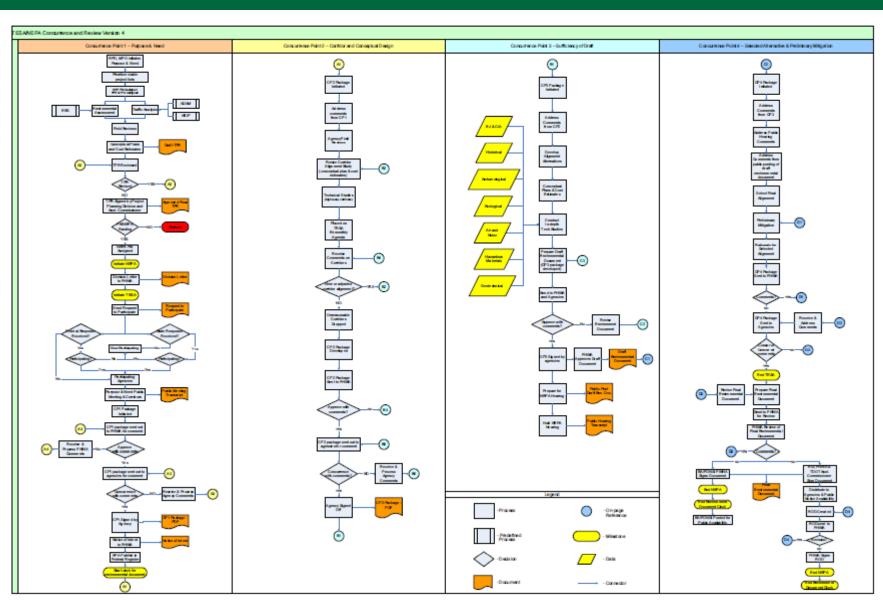
- 80+ data sets
 identified,
 many with
 multiple layers
- Initial source or owners identified
- Identified initial contacts with TDOT and external agencies for GIS data

DRAFT - Initial Data Sets for SEMS Database - DRAFT

Data Set	Sources/Owners of the Data	General Description of Data Set
		Location of roadways adopted and who is responsible for each
Adopt-a-Highway	TDOT (Beautification)	section
	OIR, TDOT, Homeland	
Aerial Photography	Security	Images taken by plane
Air Pollution discharge permitted		
facilities	TDEC (Air Pollution)	Permitted factories, plants that have air discharge permits
Air Quality Boundaries	TDEC (Air Pollution)	Location of attainment and non-attainment areas

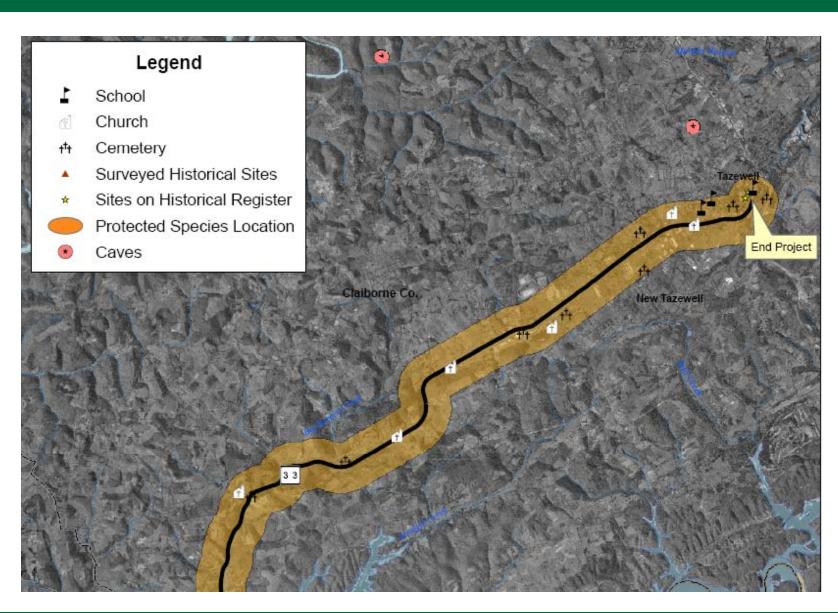


GIS Data Collection/Process Mapping



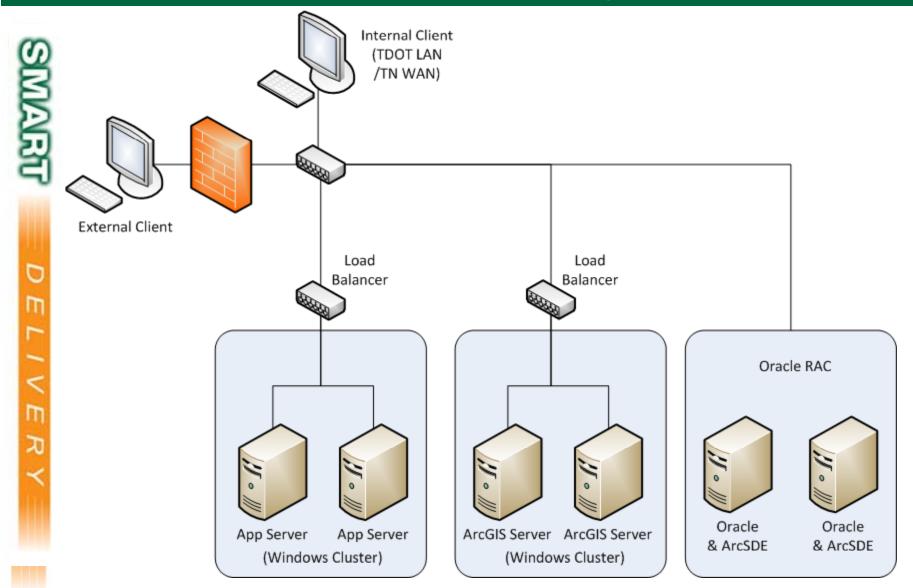


Early Environmental Screening





System Architecture





SDMS Login

ted 🚵 Latest Headlines

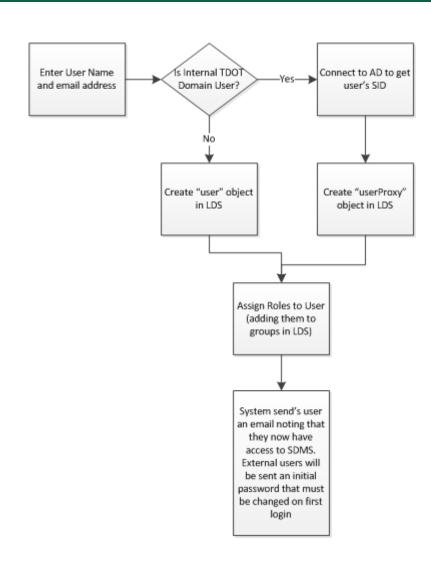
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SDMS User Creation





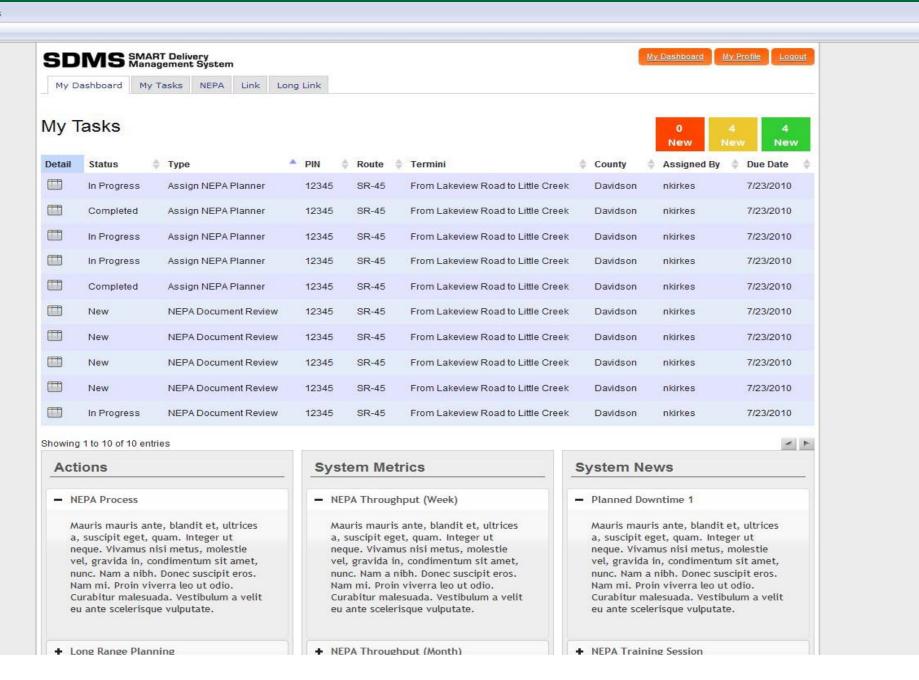
Project Search

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roject <mark>Manager:</mark>	<select></select>		•	State Proje	ct #:			Federal Project #:		
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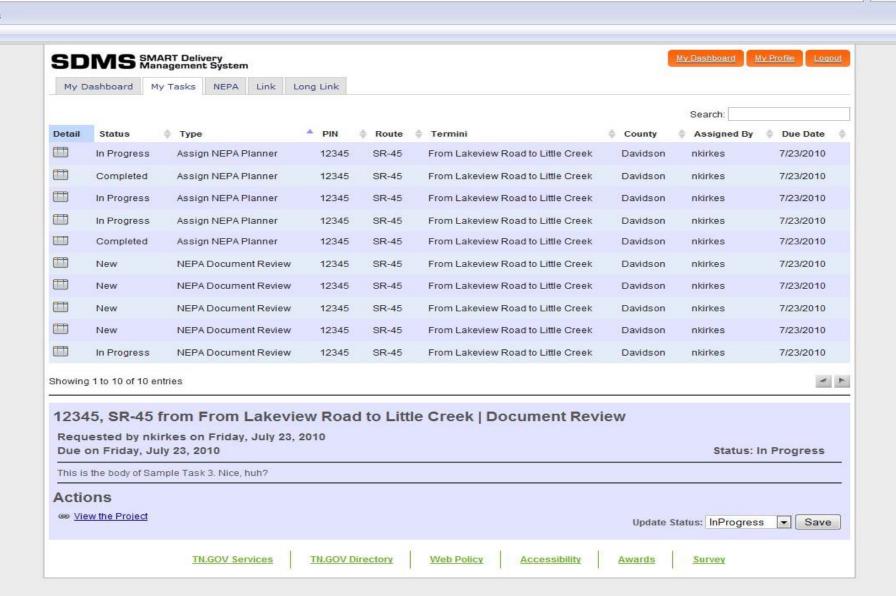




Project Details

Headlines

4

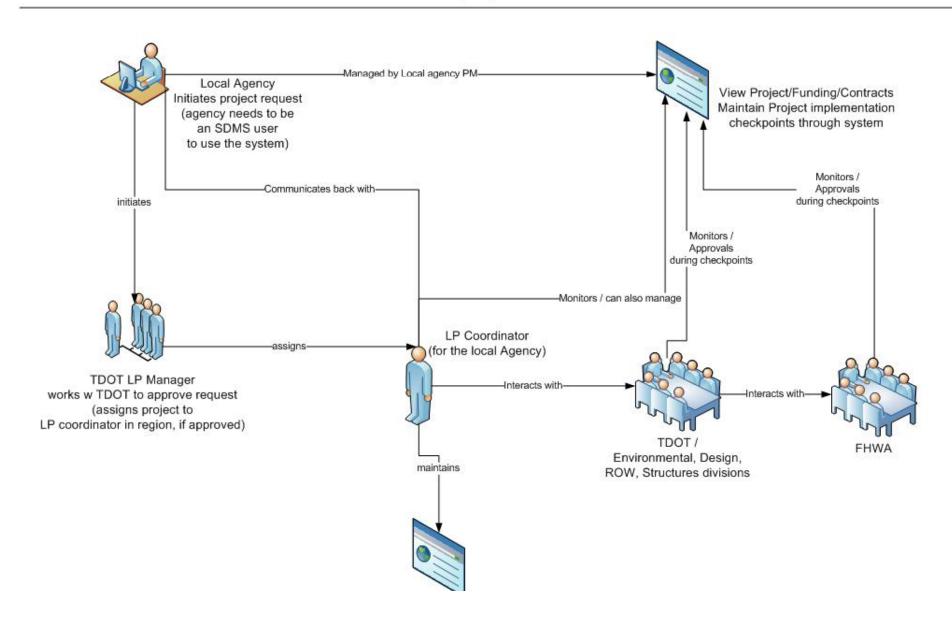




Local Programs

Local Programs - Role Workflow

Friday, July 23, 2010

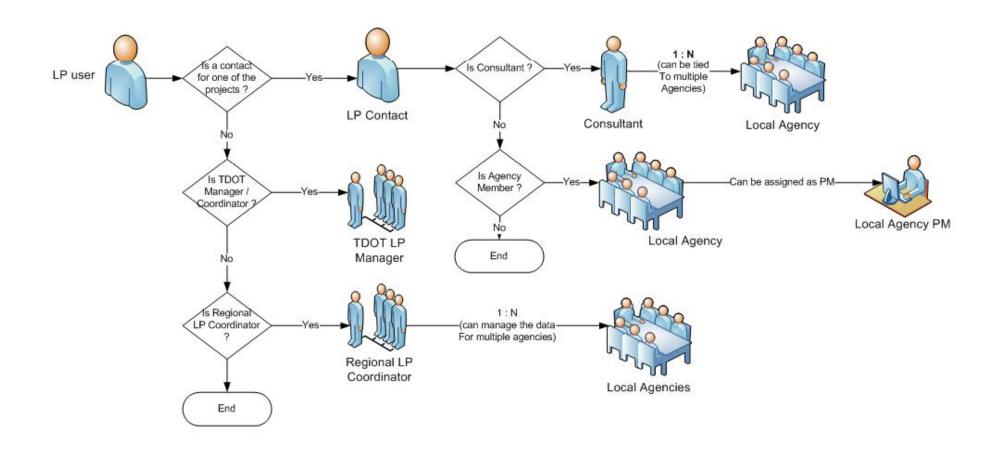


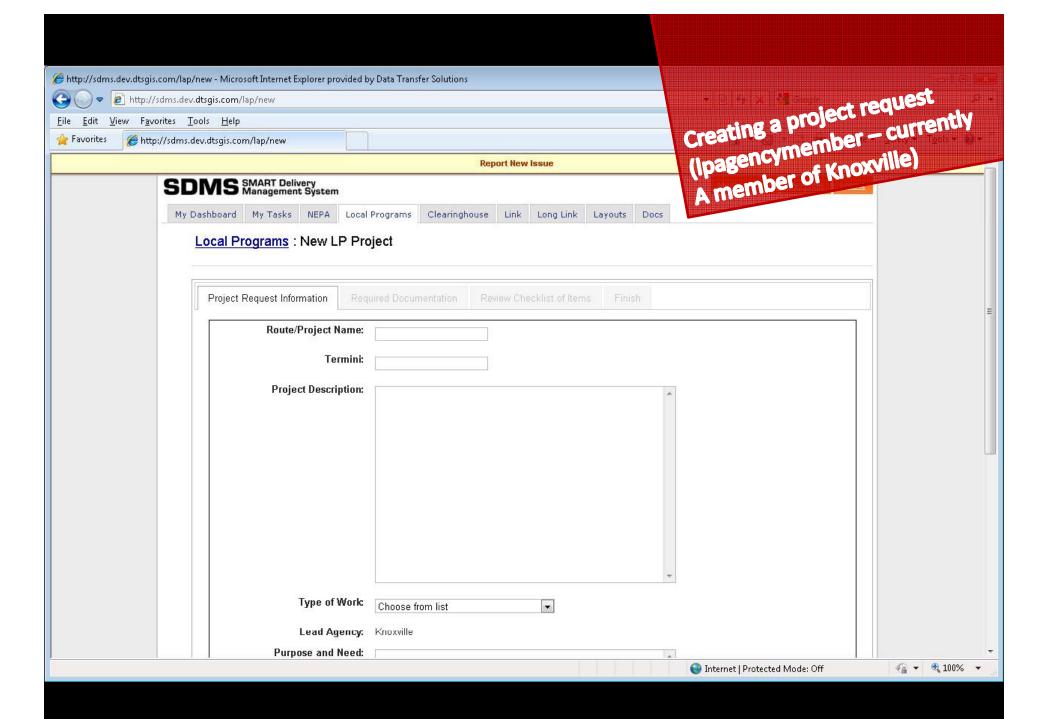


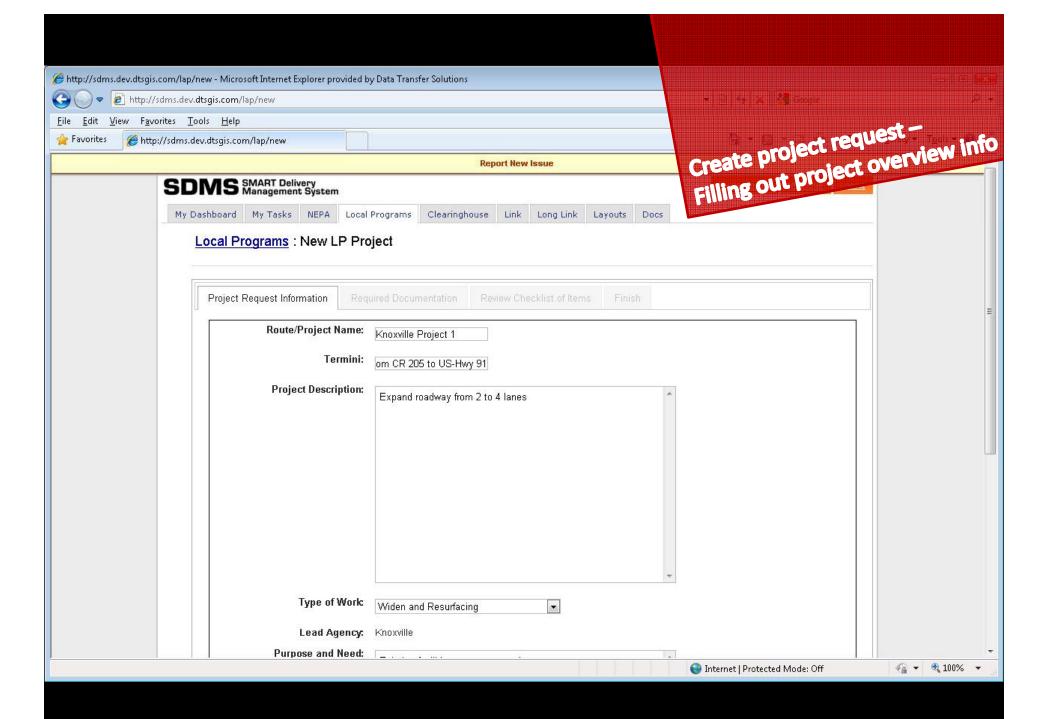
Local Programs

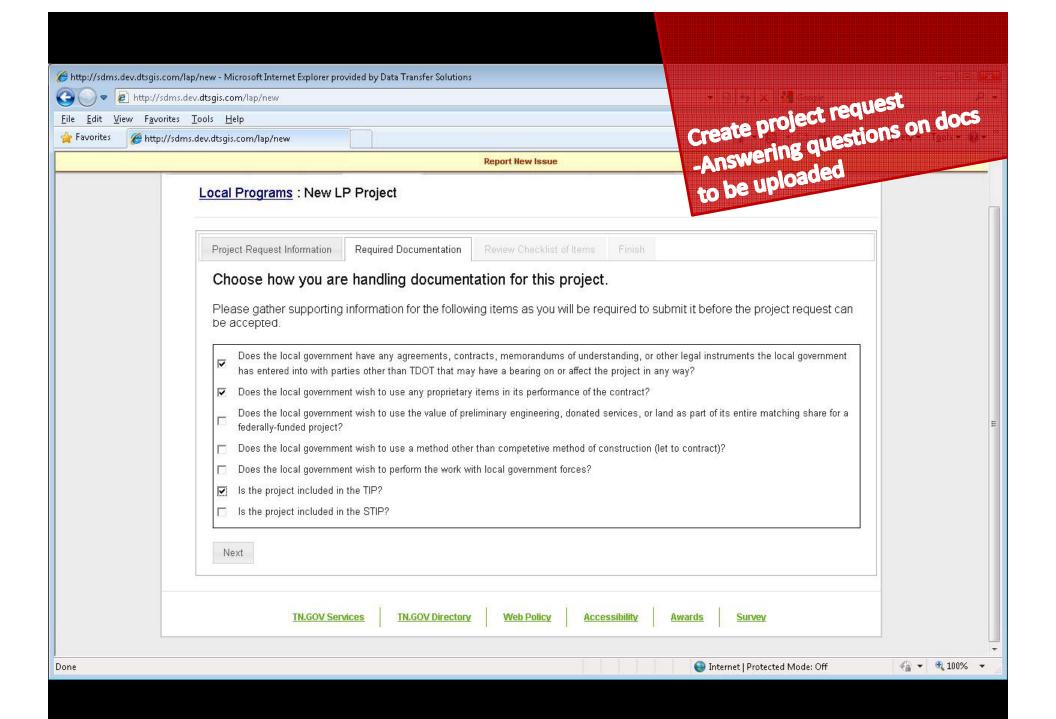
Local Programs – User/Roles

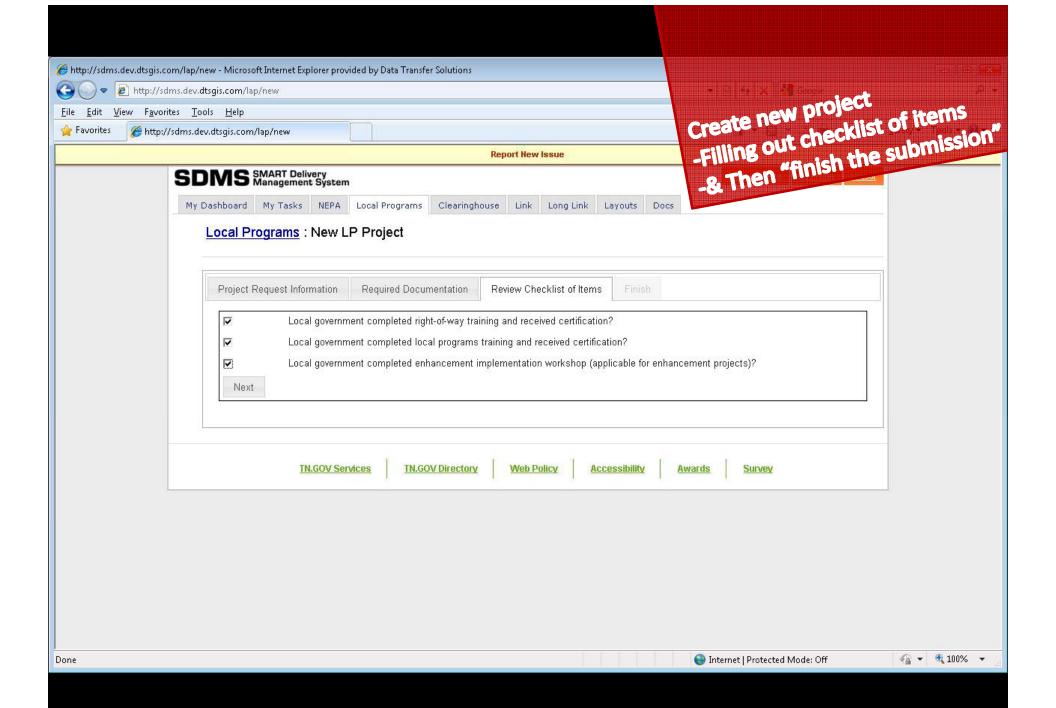
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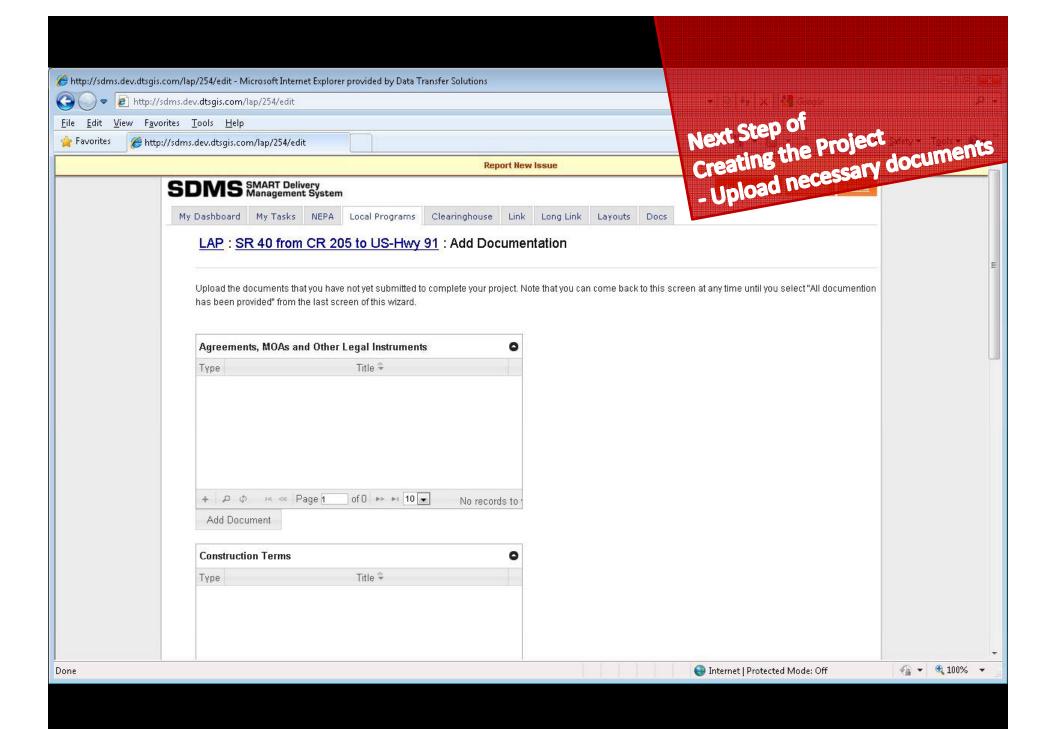


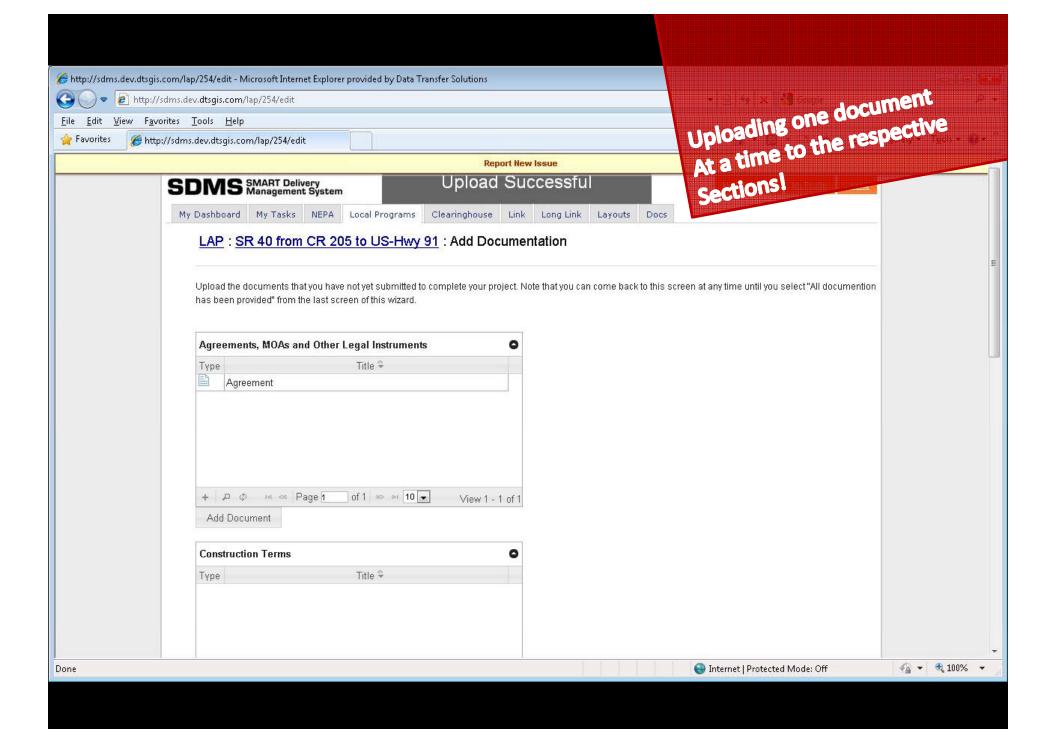


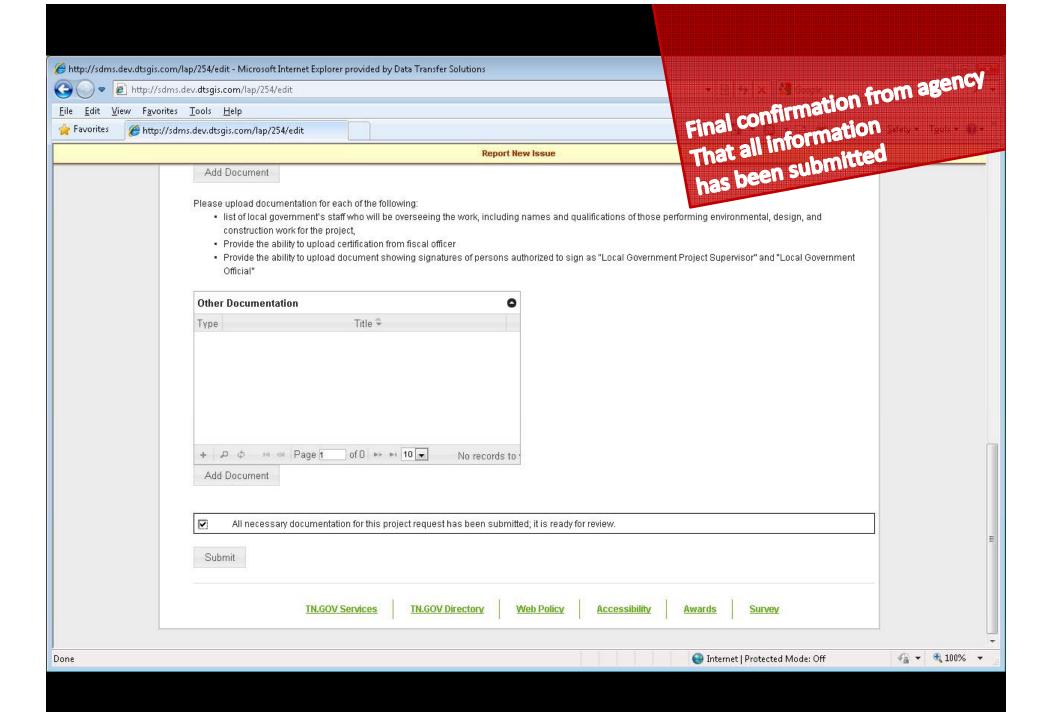


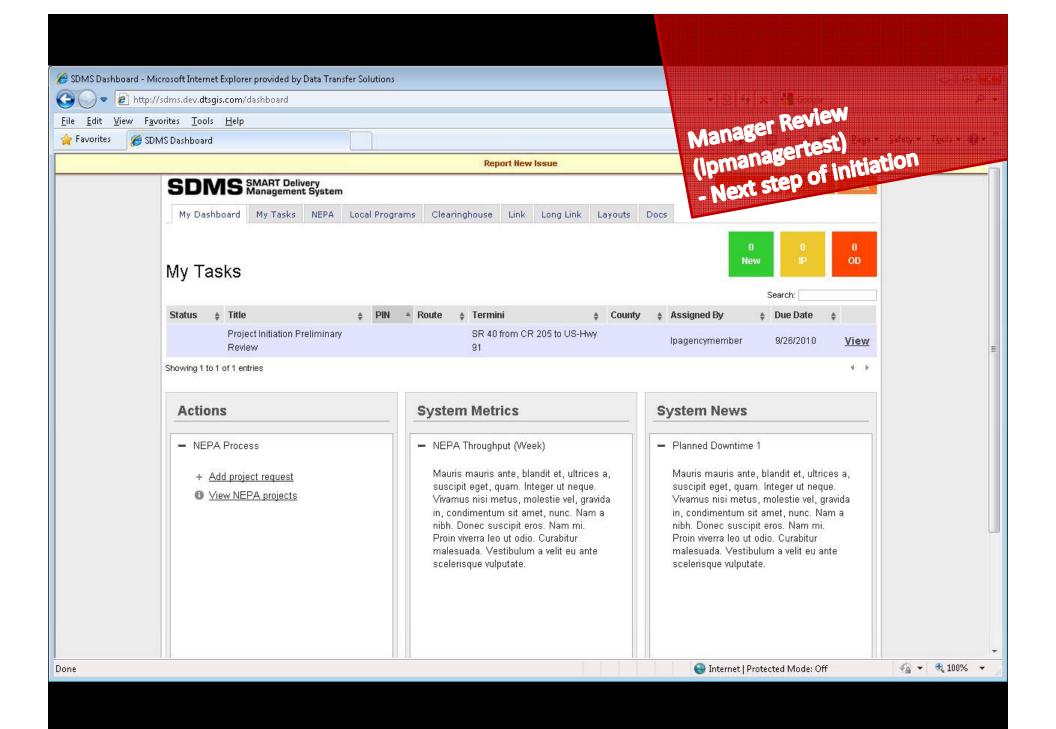


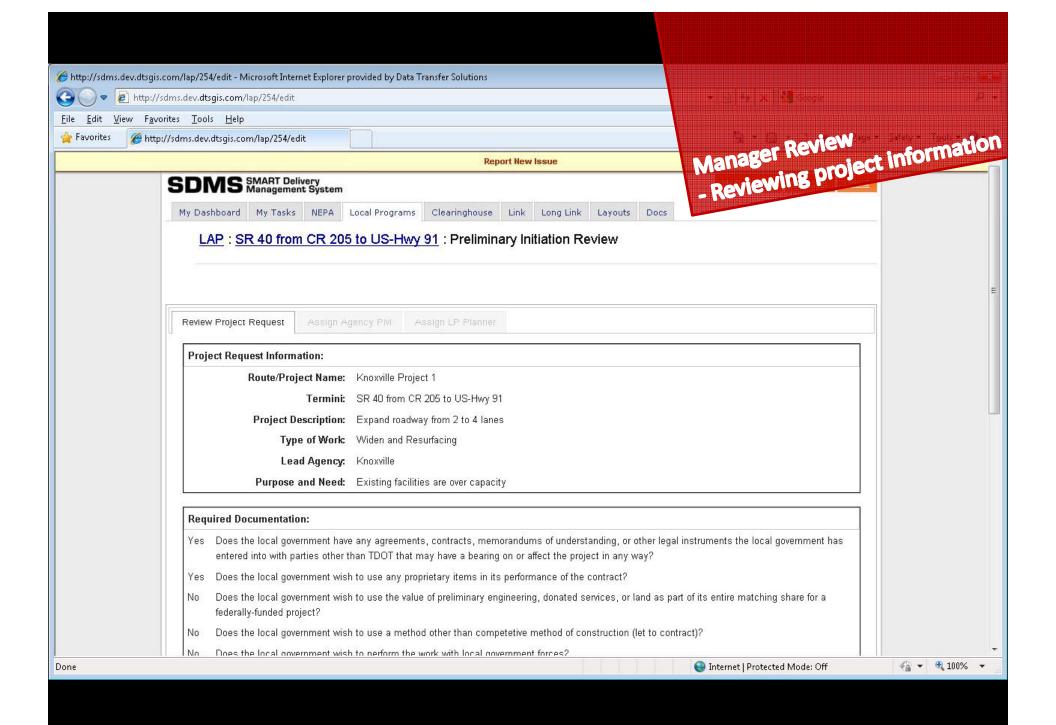


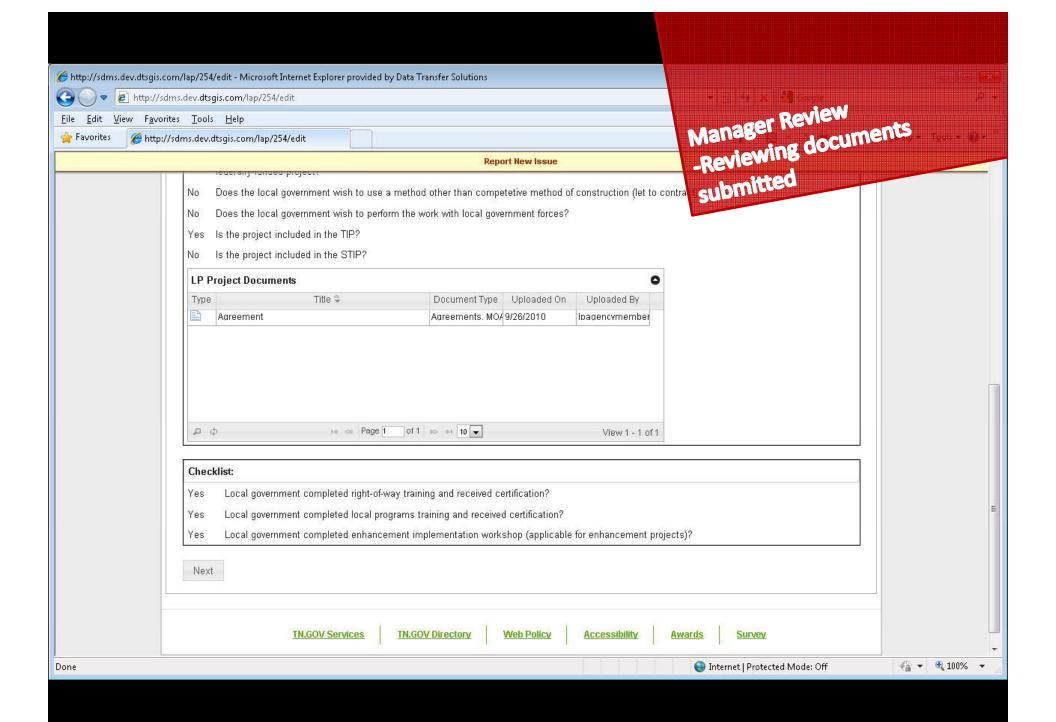


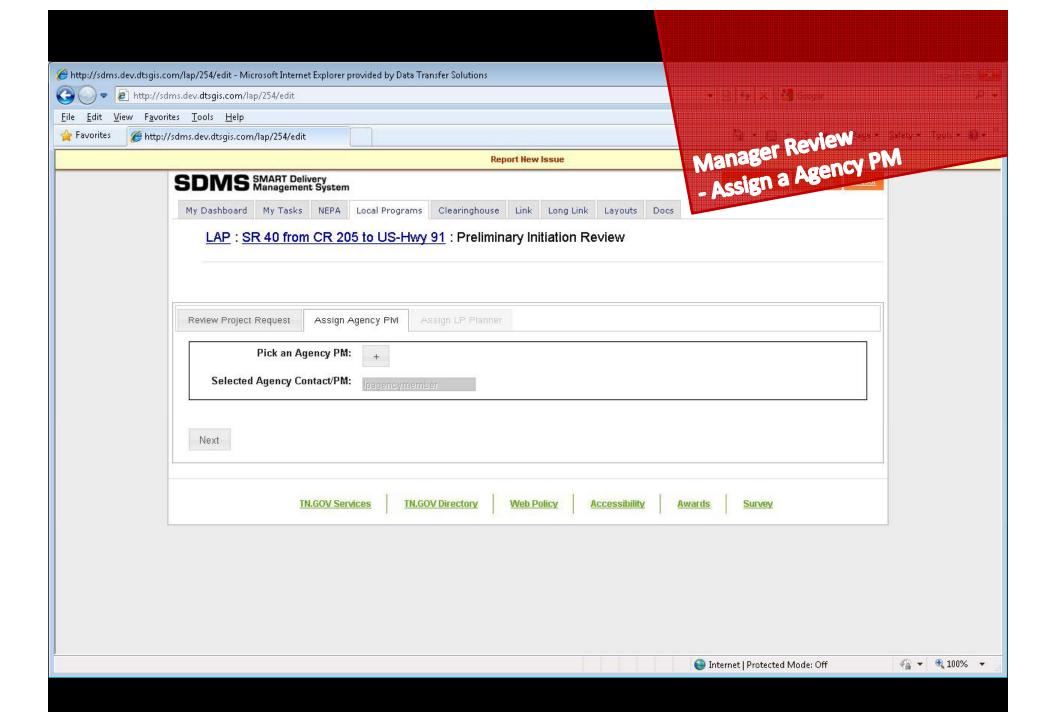


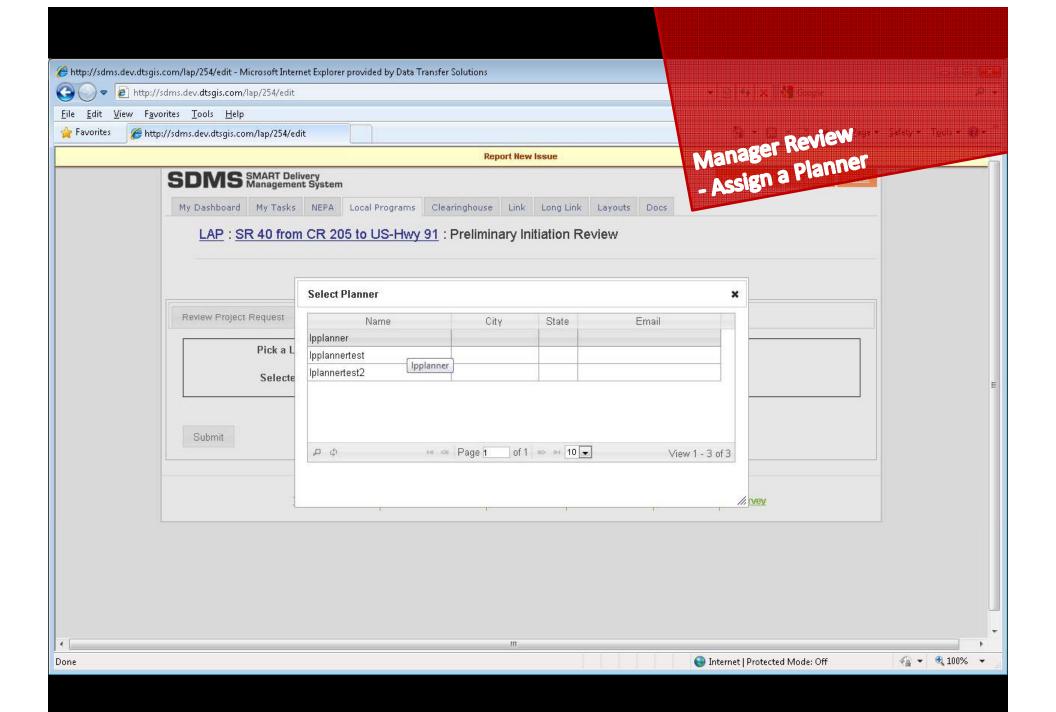


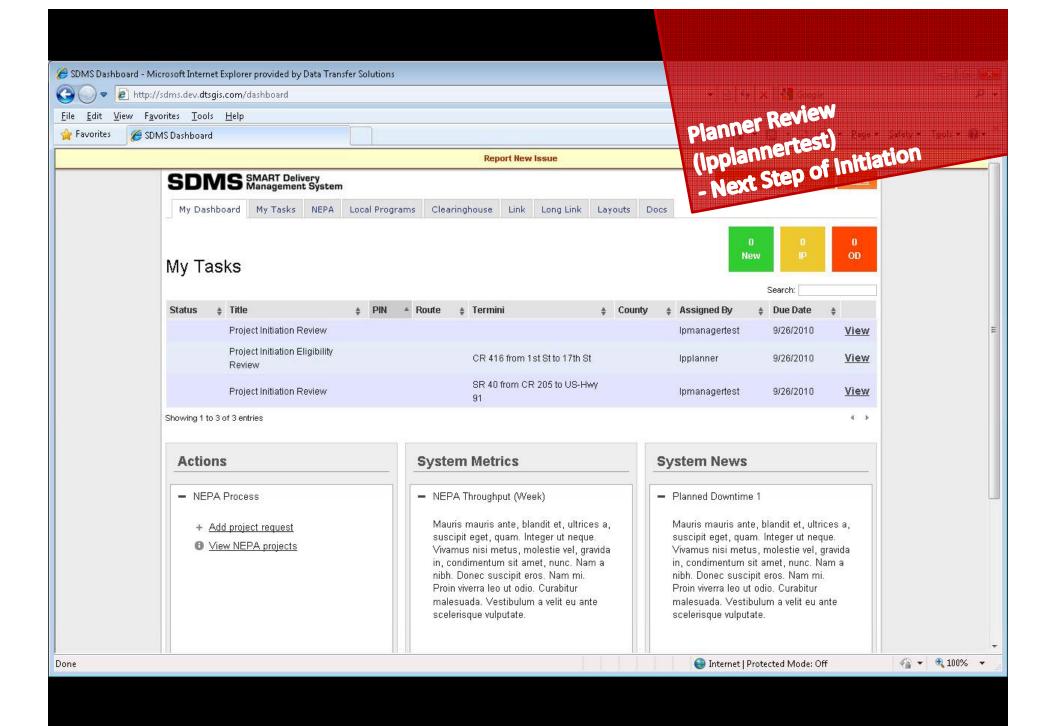


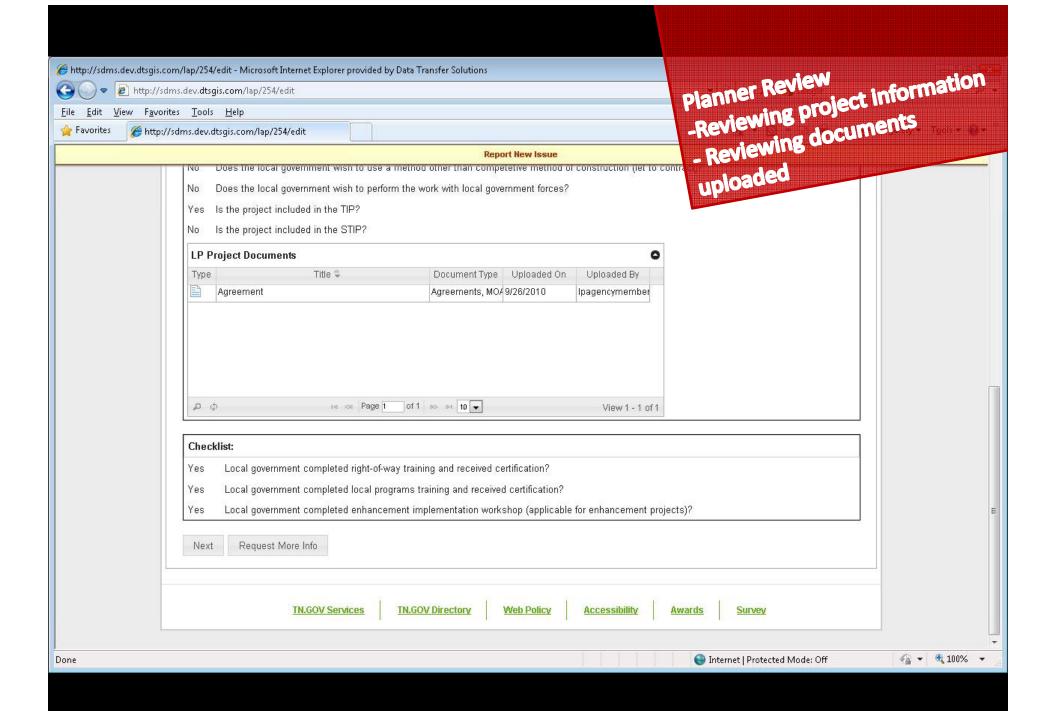


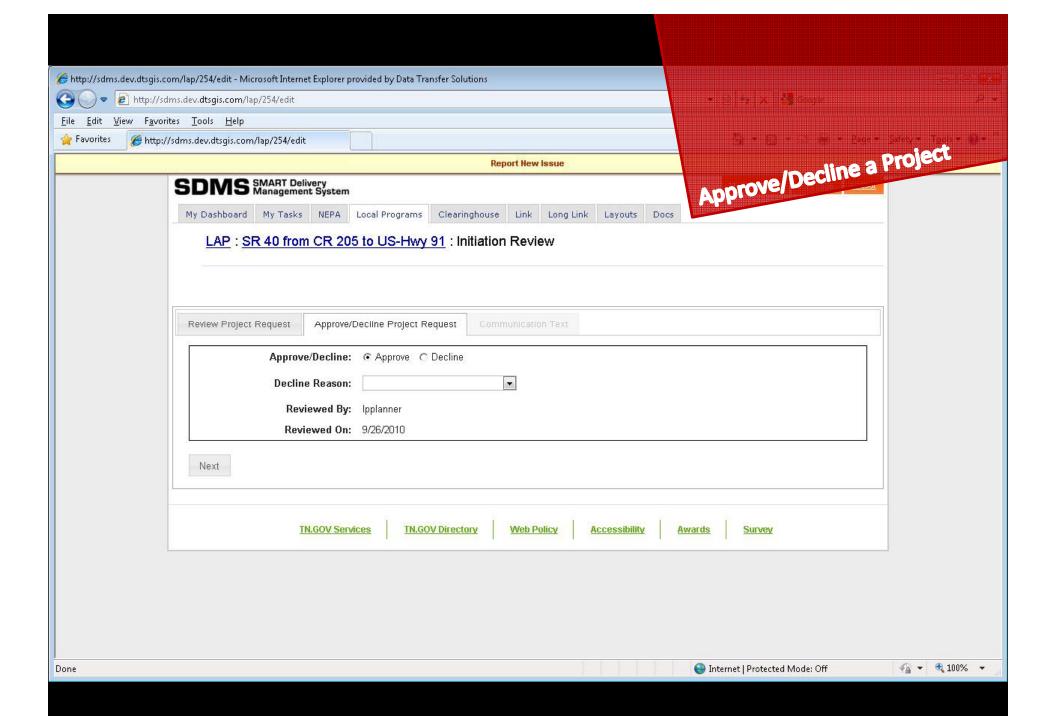


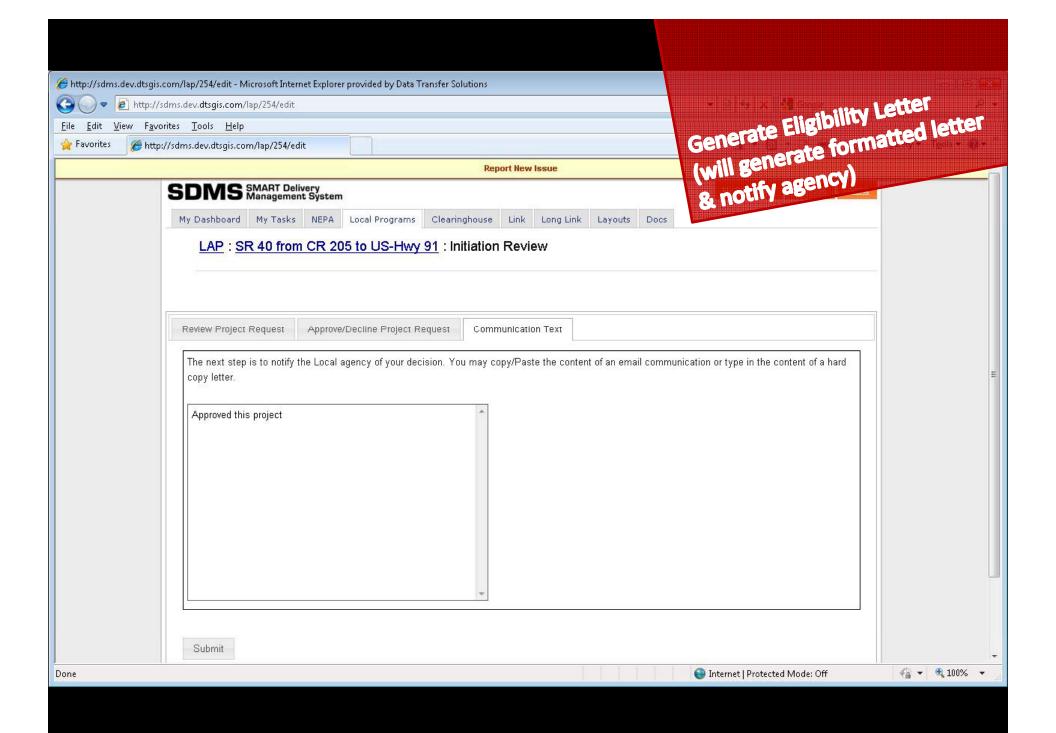


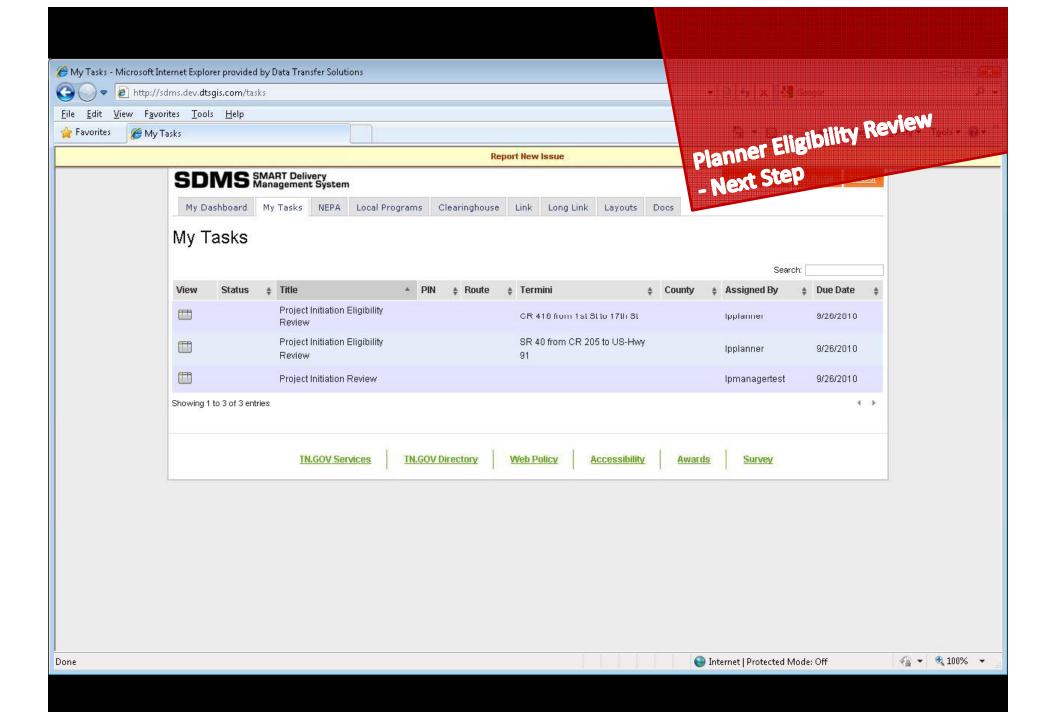


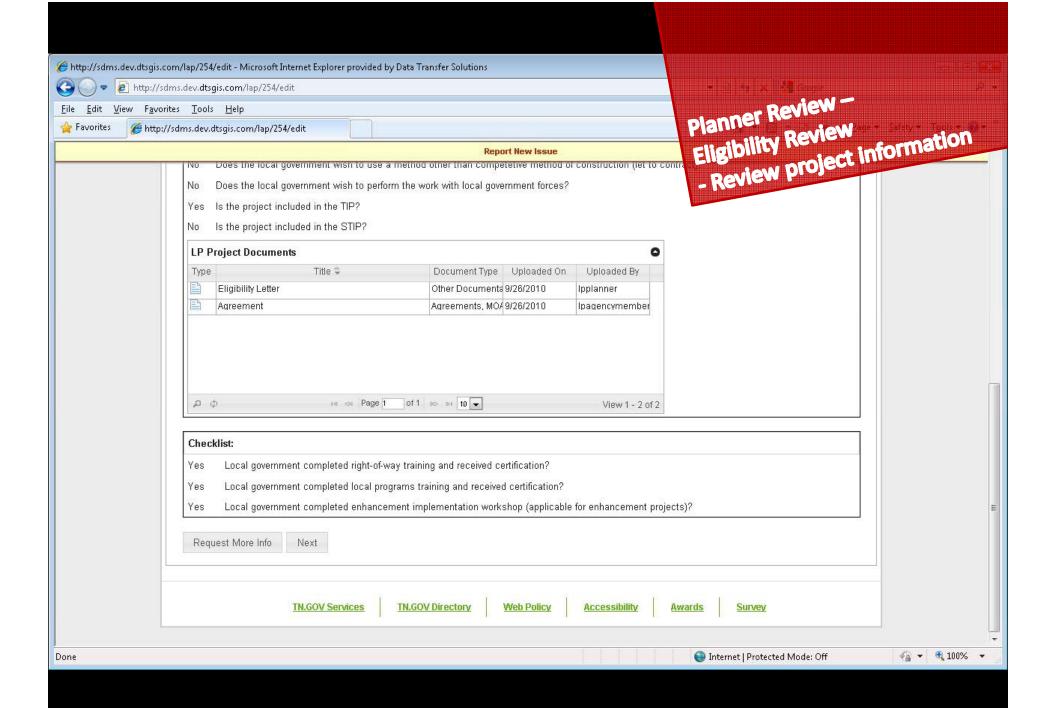


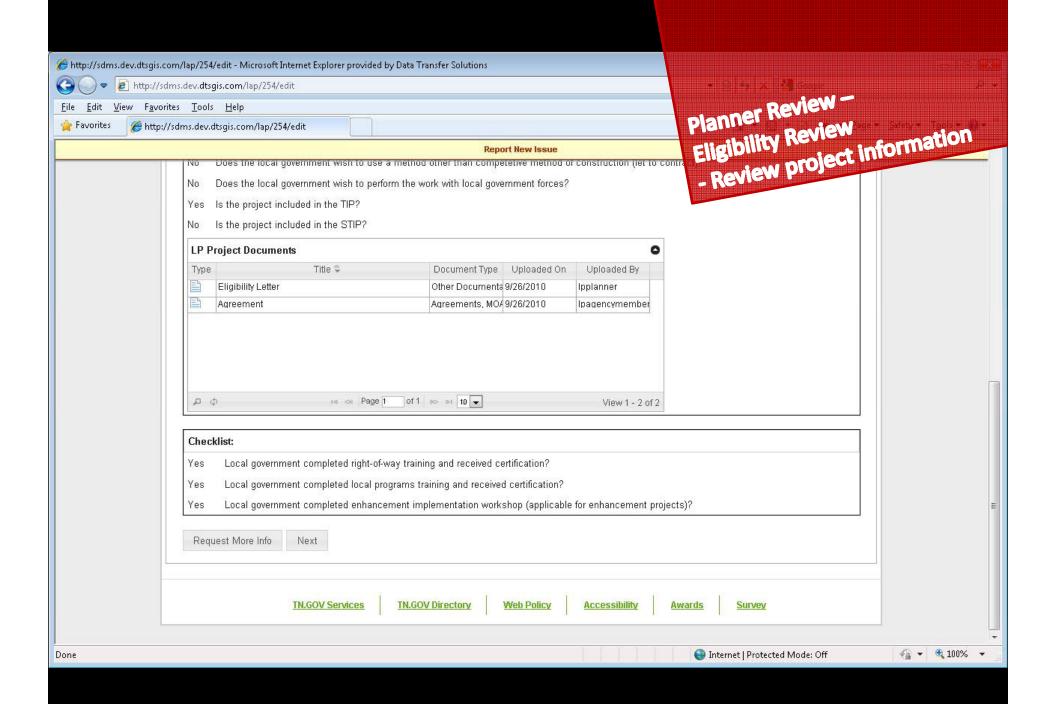


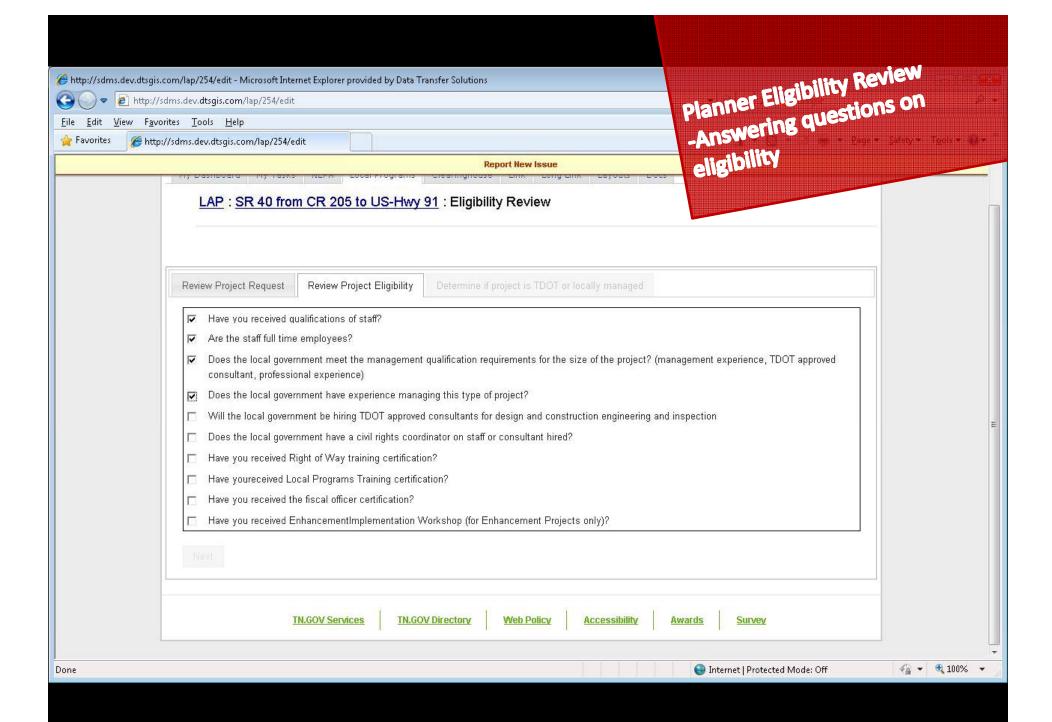


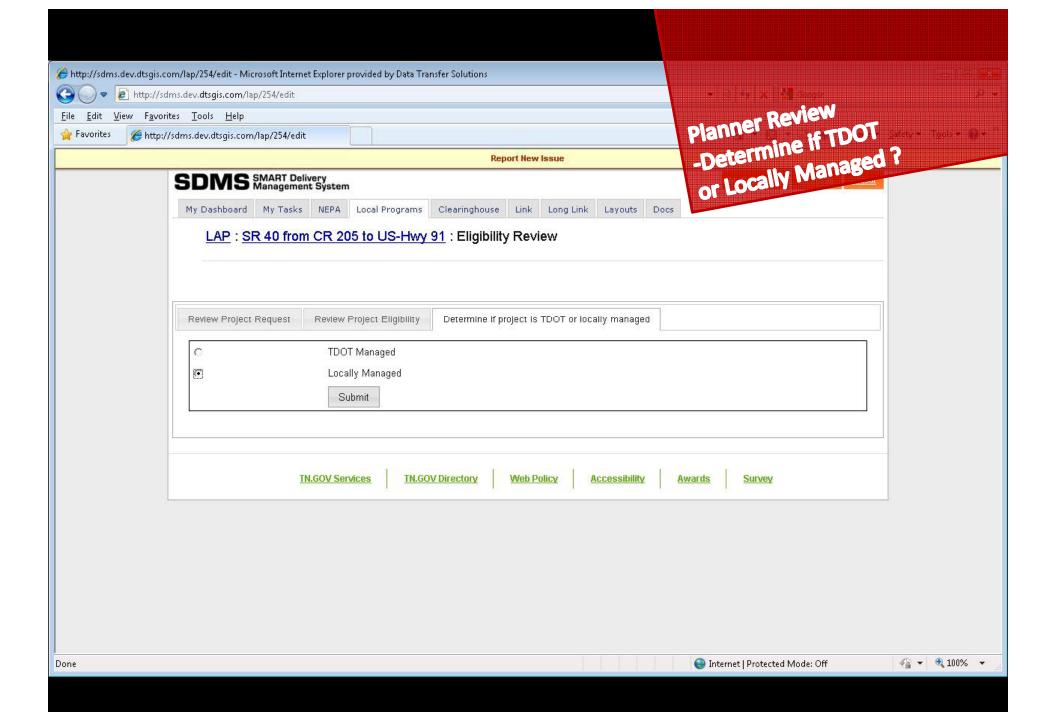


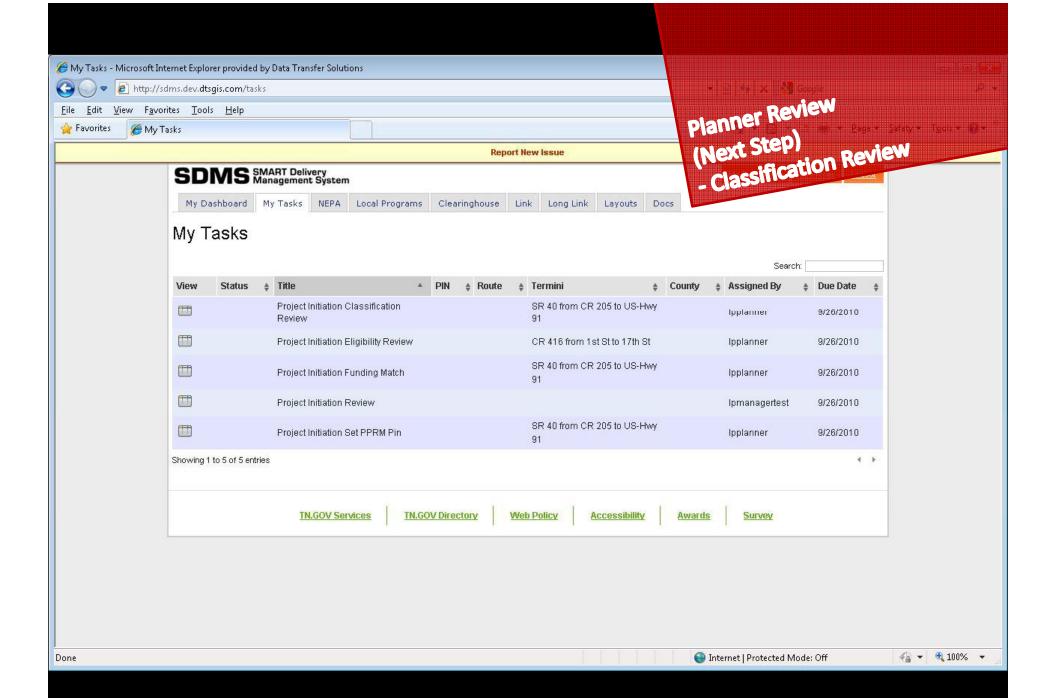


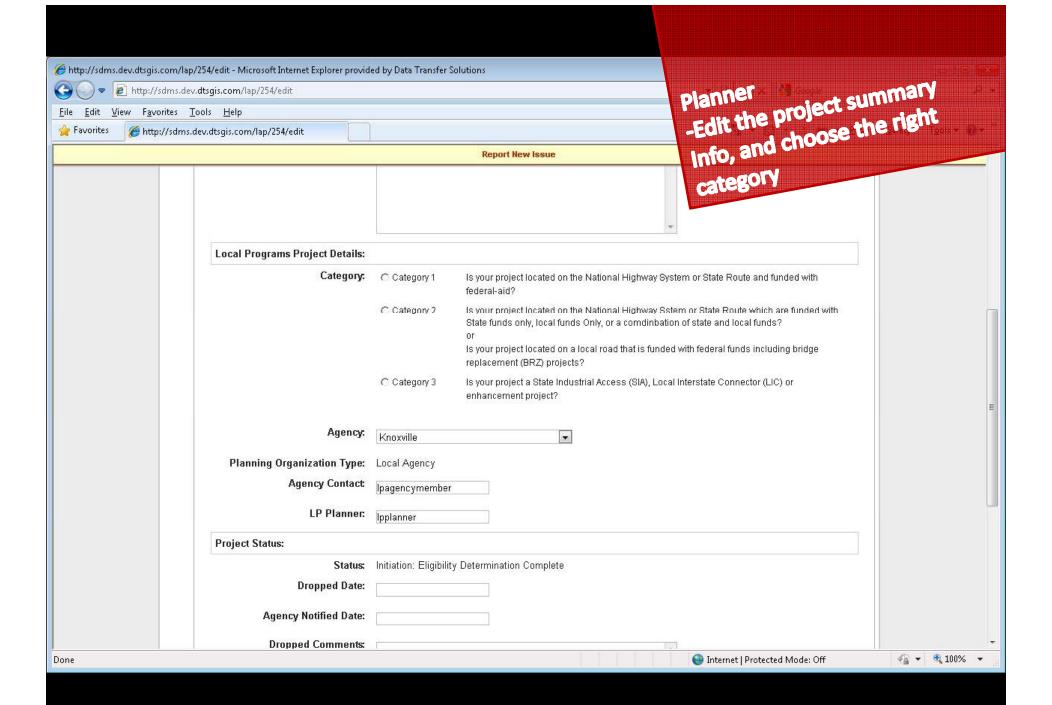


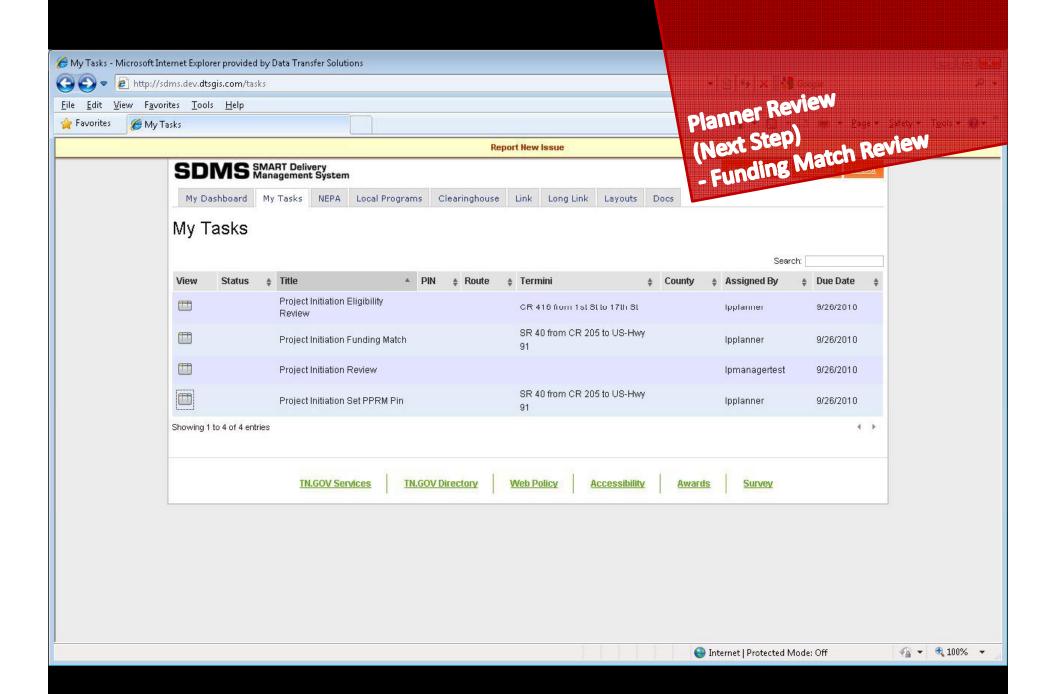


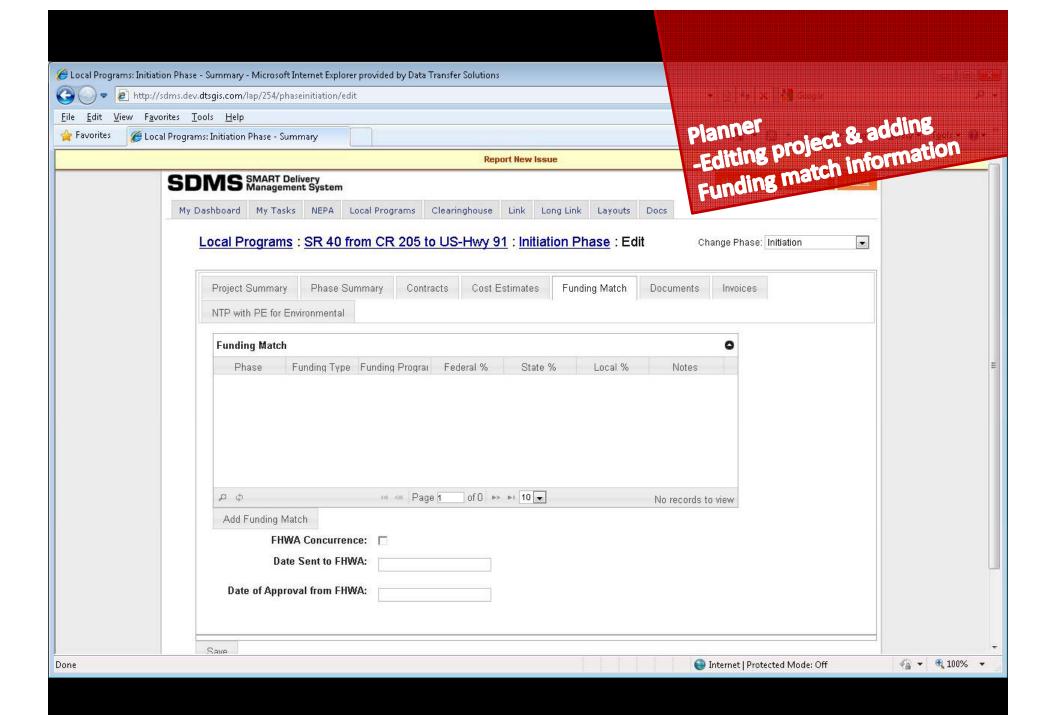


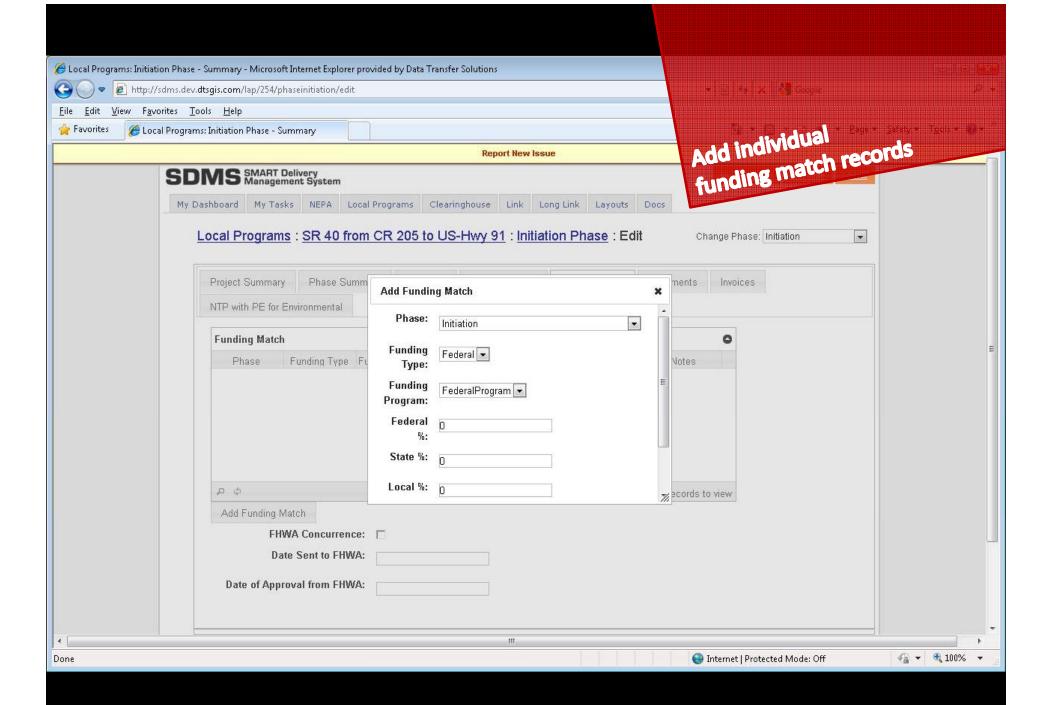


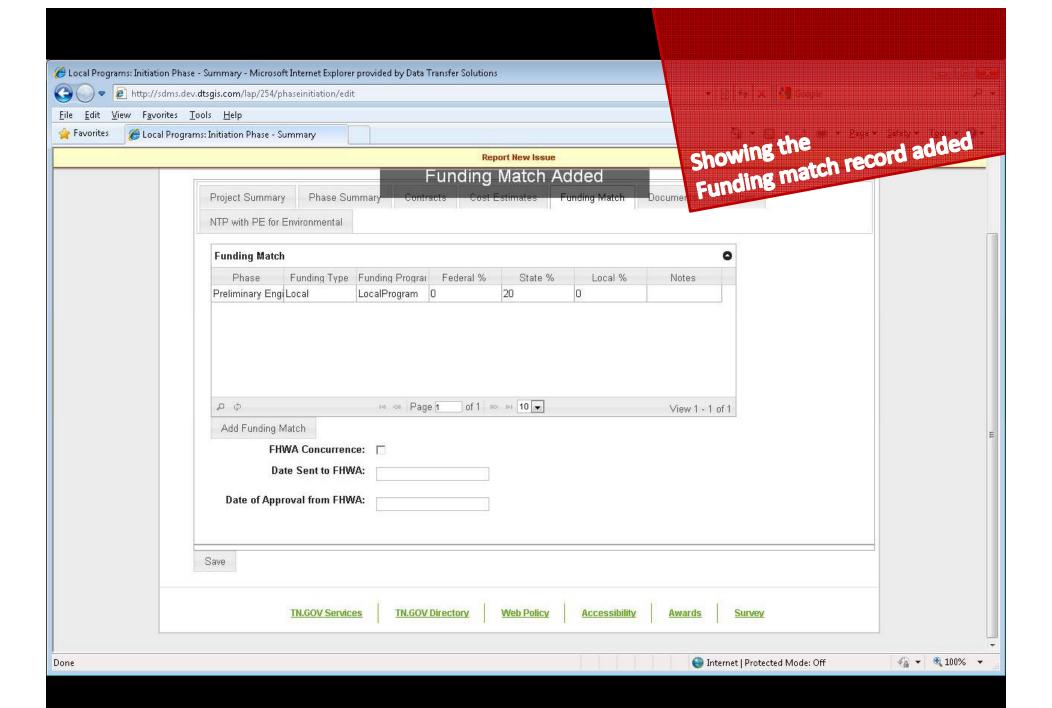


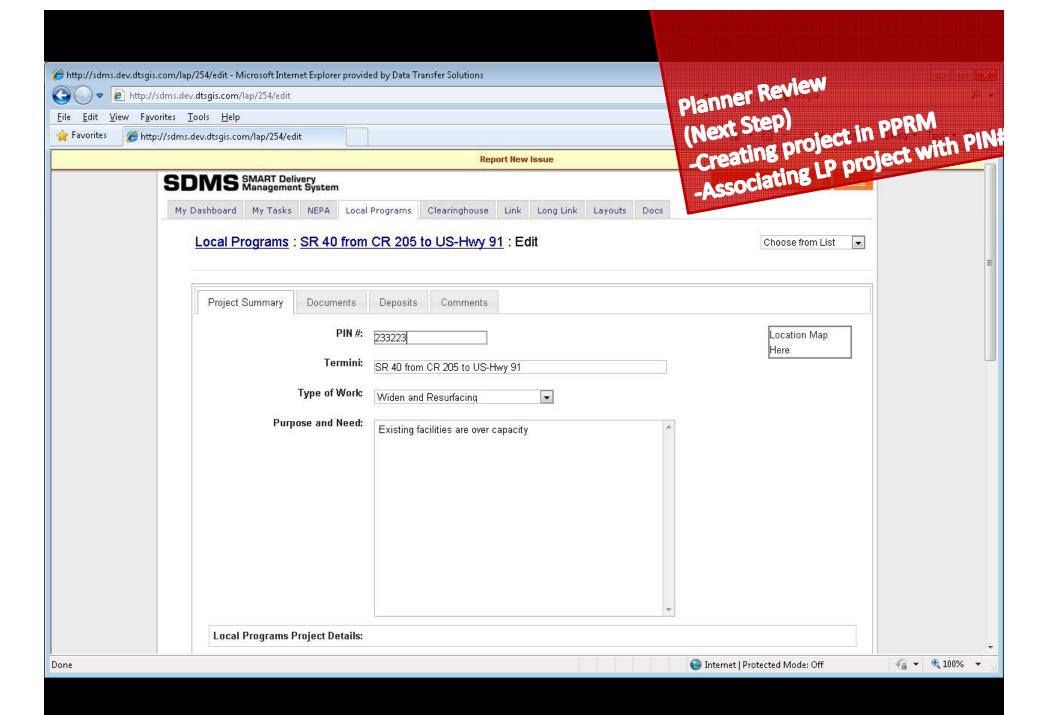


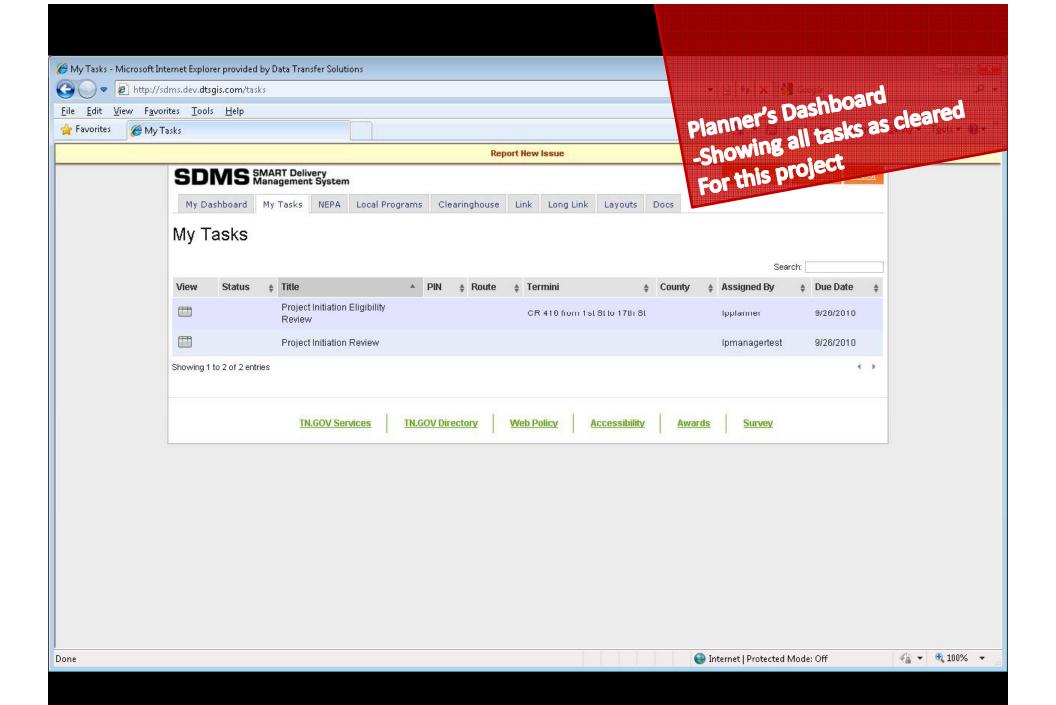














TDAT

Questions and Discussion

