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TRANSPORTATION TEAM

Greenfield District ITT Constructability Review

Introductions



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Event Sponsors



Opening Remarks



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Sub-Committee Members

INDOT

Consultants

Contractors



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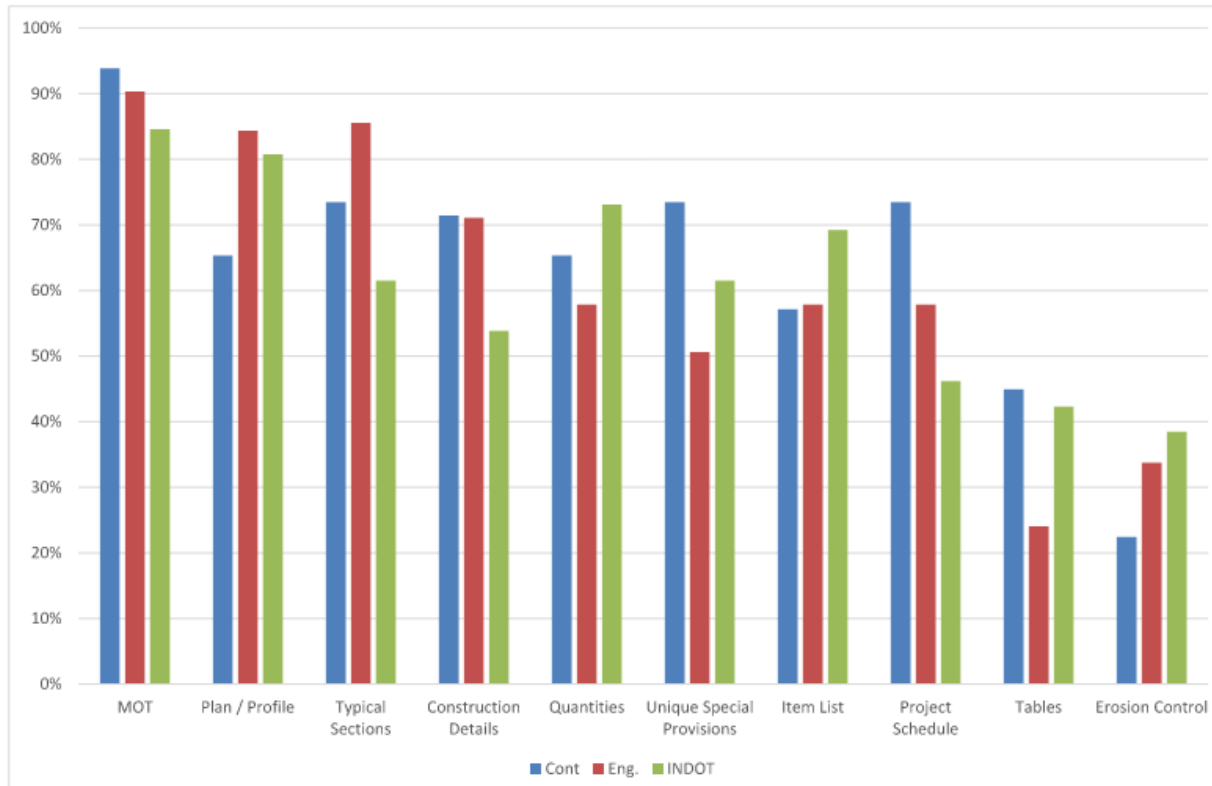
What We Heard



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Response to 'What you would like to see in Stage 2 Plan Submittal' Survey from June 12th

Contractor			Engineer			INDOT		
MOT	46	94%	MOT	75	90%	MOT	22	85%
Project Schedule	36	73%	Typical Sections	71	86%	Plan / Profile	21	81%
Typical Sections	36	73%	Plan / Profile	70	84%	Quantities	19	73%
Unique Special Provisions	36	73%	Construction Details	59	71%	Item List	18	69%
Construction Details	35	71%	Item List	48	58%	Typical Sections	16	62%
Plan / Profile	32	65%	Project Schedule	48	58%	Unique Special Provisions	16	62%
Quantities	32	65%	Quantities	48	58%	Construction Details	14	54%
Item List	28	57%	Unique Special Provisions	42	51%	Project Schedule	12	46%
Tables	22	45%	Erosion Control	28	34%	Tables	11	42%
Erosion Control	11	22%	Tables	20	24%	Erosion Control	10	38%



Where We are Going



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Constructability Review

Introducing two new concepts

- Evaluating projects for constructability review
- Project summary for reviewers



Constructability Review Evaluation

Current Standard

- All projects
- Perform at Stage 2
- Provide plans and quantities

Possible Evolution

- CR projects chosen through evaluation criteria
- Could be done at Stage 2 or Stage 3
- Develop **matrix** to evaluate projects, by INDOT/Designer

Goal: Use ITT resources effectively, to find the most value on the most important projects in Indiana



Constructability Review Evaluation Criteria

Significant or Non-Significant?

- Matrix of criteria to determine significance
- Decision by INDOT/Designer
- Only significant advertised for review?

Stage 2 or Stage 3?

Pro: Plans and design are further developed

Con: Later in project development, more challenging to incorporate feedback



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Constructability Review Evaluation Criteria

Criteria Considerations

- Project Size
- Project Cost
- Construction Duration
- Urban/Rural?
- Project type (more value on intersection than overlay?)
- Utility involvement? Environmental issues? Permits?

Subjective Considerations

- Complexity
- Importance (traffic volume, safety improvement)



Constructability Review Designer Memo *(CRDM?)*

Designer develops summary memo

- Project details
- Project description
- Concerns and Challenges
- Unique items
- Project Commitments
- Then...specific “Designer Requests” for reviewers

INDIANA DEPARTMENT OF TRANSPORTATION
CONSTRUCTABILITY REVIEW DESIGNER MEMO

CONTRACT: _____ DATE: _____
LEAD DES: _____
PROJECT: _____

PURPOSE: This memo briefly summarizes project development to date, sharing design decisions and specific discipline information to guide the constructability review. It highlights concerns, challenges, unique items, provisions, and commitments. "Designer Requests" aim to gather specific feedback from reviewers on open items such as traffic maintenance schemes, construction timing, and unique items.

Project Summary

Concerns and Challenges

Unique Items

Environmental Commitments

Designer Requests

Version 1.0

Version 1.0



**INDIANA DEPARTMENT OF TRANSPORTATION
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Project Summary

Concerns and Challenges

Unique Items

Environmental Commitments

Designer Requests



Constructability Review Designer Memo *a.k.a. CRDM*

Project Description

- Enough detail to convey intent. Think purpose & need

Content Examples

- Concern: Bridge over contaminated water with beam painting
- Commitment: Keep at least one of the two overpassing roads open on interstate segment
- MOT: phased vs detour for large culvert replacement
- Using unique pavement markings on high volume road

INDIANA DEPARTMENT OF TRANSPORTATION CONSTRUCTABILITY REVIEW DESIGNER MEMO

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Project Summary

Concerns and Challenges

Unique Items

Environmental Commitments

Designer Requests

www.i.d



Networking Break

15-20 Minutes



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How to Access Information



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[Department of Transportation](#) →



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Indiana Department of Transportation

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- INDOT offers updates on these topics. Most topics have subtopics. Subscribe by checking boxes; unsubscribe by unchecking boxes.
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Subscription Topics

- Indiana Department of Transportation (INDOT)
- Doing Business with INDOT
- INDOT Major Projects
- Southwest (Vincennes) District
- East Central (Greenfield) District
- Northwest (LaPorte) District
- Northeast (Fort Wayne) District
- West Central (Crawfordsville) District
- Southeast (Seymour) District
- LPA & Grants Administration
- Office of Materials Management
- Multimodal



GovDelivery Subscriptions

Subscription Topics

- Indiana Department of Transportation (INDOT)
- Doing Business with INDOT
 - INDOT Contract Letting [?](#)
 - INDOT Request for Proposal – Professional Services for Project Development, Construction Inspection Services and Transportation Studies
 - Local Program Administration (LPA) Request for Proposal [?](#)
 - INDOT Procurement (bid opportunities for products and/or non-professional services only) [?](#)
 - DBE [?](#)
 - EOD
 - Mitigation Site Transfer Program
 - Broadband Corridors
 - Hydraulics
 - Design Consultant
 - INDOT Load Rating LRE
 - INDOT County Bridges
 - INDOT SiteManager
 - INDOT Collaborative GIS
 - Road Salt Program [?](#)

Doing Business with INDOT:

- ✓ INDOT Contract Letting

Separate Subscriptions:

- ✓ INDOT Contract Lettings
- ✓ 18-month Lettings Lists
- ✓ Stage 2 Constructability Reviews



Email Notifications

Consistency

- Automate the process
- Delegate the manual responsibility
- Notifications should be expected regularly each month

Clarity

- Questions about Stage 2 Reviews should not be directed to ConstructionLetting@indot.in.gov, which is not intended for this purpose, nor is it used for this purpose
- Update notification template with better contact info and more intuitive instructions specific to the Stage 2 Constructability Review Process



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Email Notifications

Subject: Stage 2 Plans for Constructability Review

Sent: 9/21/2023

Sent To: Doing Business – INDOT Contract Letting

- 12,219 Total Sent
- 11,709 Delivered (96%)
- 510 Bounced (4%)
- 2,862 Unique Opens (24%)
- 150 Unique Clicks (1%)
- 67 Unique Clicks to Lettings Dashboard

Stage 2 Documents for Constructability Review have been posted for the projects shown in the table below.

To view the documents, please visit the 18 Month Letting List Search Dashboard at:

<https://entapps.indot.in.gov/lettings/Dashboard#> and click on the "Documents" button next to the project DES number. To send Stage 2 Plan comments, please click on the "Email District" button next to the project DES number.

DISTRICT	COUNTY	ROAD	TYPE OF WORK	DES NUMBER	CONTRACT NUMBER	LETTING DATE
Greenfield	Shelby	SR 244	Road Rehabilitation (3R/4R Standards)	1600801	R-42264	07/10/2024



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What Information to Expect



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Lettings Dashboard

Districts Greenfield, ▲

Select All Clear All

Crawfordsville
 Fort Wayne
 Greenfield
 LaPorte
 Multiple Districts
 Seymour
 Vincennes

Counties ▼

Roads ▼

Search Results: Projects (354)

	DES Number	Contract Number	Type Of Work	County	Road	Location	District	Letting Date
<input type="checkbox"/>	1702286	T-42479	Traffic Signals Modernization	Marion	I 465	at Emerson Avenue, 1.41 miles E of I-65	Greenfield	09/13/2023
<input type="checkbox"/>	1901846	T-42479	Bridge Maintenance And Repair	Marion	I 465	Bridge over I-465 on Emerson Ave, (S Leg) 1.4 miles E of I-65 (S Leg)	Greenfield	09/13/2023
<input type="checkbox"/>	1900445	R-42272	Small Structure Pipe Lining	Hancock	I 70	. 2 138 E HANCOCK/MARION	Greenfield	09/13/2023
<input type="checkbox"/>	1802925	R-42075	Bike/Pedestrian Facilities	Jay	MS 5301	Multi-use path in the Dunkirk City Park Along Speedcat Alley	Greenfield	09/13/2023

- Criteria for which projects publish which Stage 2 files
- Column to filter projects with published Stage 2 files
- SPMS DES map compatibility
- Improve navigation with other INDOT Contracts pages
 - [Contract Letting Information](#) →



Giving Feedback



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Stage 2 Review

Publish summary memo from design

- Specific requests for reviewers
- Highlight concerns, challenges, unique items, provisions, commitments

Simple review form

- General categories
- Space for open comments

Return comments

- Project Manager
- Project / Area Engineer
- Not CSMS (Stage2Greenfield@indot.in.gov)



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Stage 2 Evaluation Form

Contract Number:		Date:				
DES Number:						
For each of the following areas, please indicate your reaction:						
		Performance Assessment				
		<i>Poor</i>	<i>Fair</i>	<i>Average</i>	<i>Good</i>	<i>Excellent</i>
1. The Purpose of this Project is clear to me						
2. Pay items for this project are included. If not, please comment below.						
3. Plan for this project are included. If not, please comment below.						
4. Maintenance of contract/Phasing of job makes sense to me. If not, please comment below.						
5. This contract appears to be constructible. If not, please comment below.						
General Comments for INDOT to consider:						

Open Discussion



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Closing Survey

Greenfield District ITT 2023 Project

Constructability Review



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Greenfield District ITT Networking Happy Hour