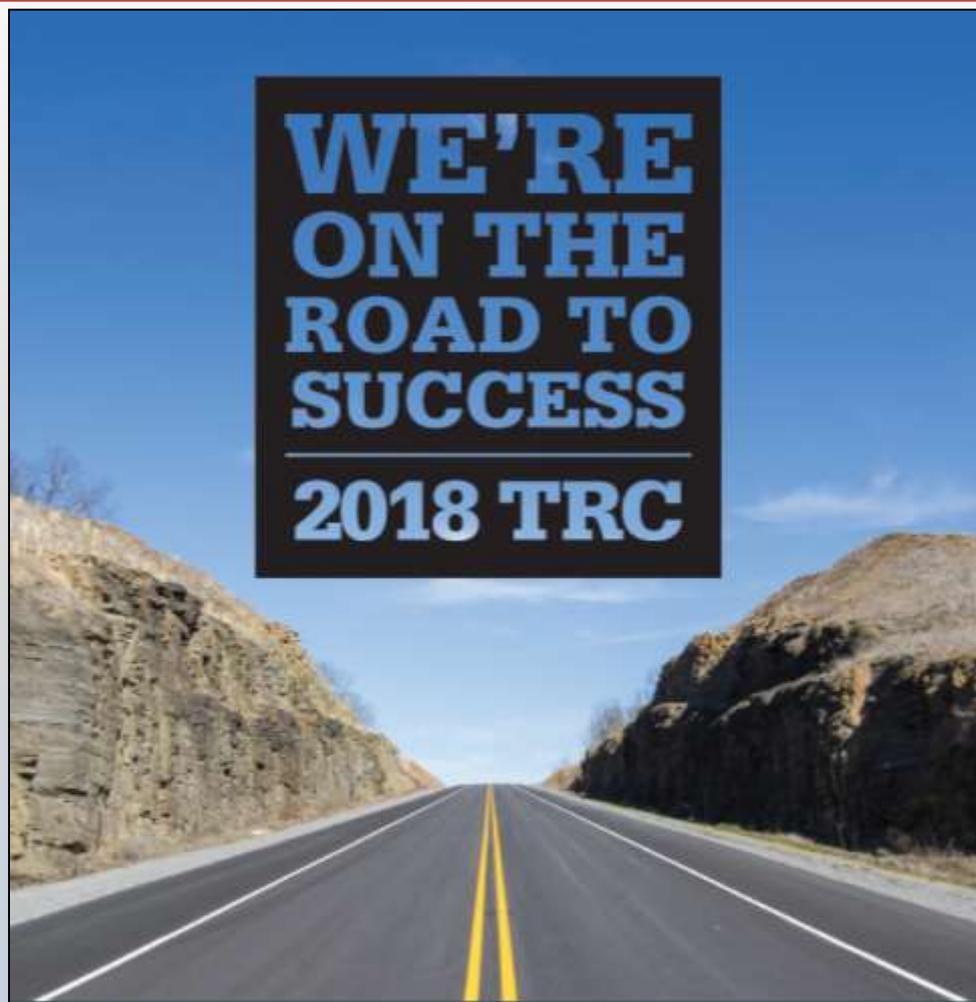


Kevin Thornton
Assistant Chief Engineer - Planning



Transportation Research Committee Engineering Conference

Tuesday, May 15, 2018



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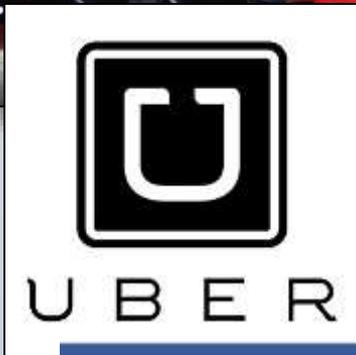
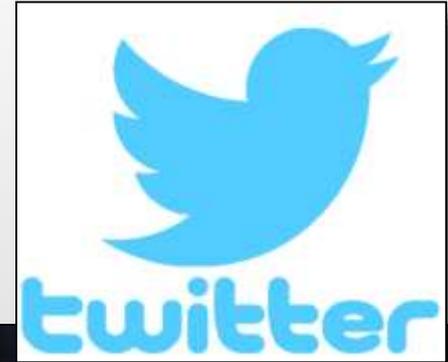
2018 TRC

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RESEARCH COMMITTEE

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They Didn't Exist 20 Years Ago





MMHIS - [Route 62 West, Section 1, Year 2010]

File Edit View History PMS Tools Options Window Help

Route 62 West

Category	Item	Value
GPS	Latitude	36.054012
	Longitude	-94.194504
Roadway	Roadway Data D...	7/9/2010
	District	4
	County	WASHINGTON
	Log Mile	24.120 mile
	Section	1
	Beginning Log ...	23.900 mile
	Ending Log Mile	24.120 mile
	Length	0.220 mile
	Number of Lanes	4
	Rural/Urban	Large Urban
	Functional Class...	3
	NHS System Cla...	Not NHS
	Surface Type	Asphalt
	Surface Width	60 ft
	Lane Width	12 ft
	Median Width	0 ft
	Right Shoulder S...	JRPC
	Right Shoulder ...	0 ft
	Left Shoulder S...	JRPC
	Left Shoulder W...	0 ft
	Job Number	
	Year Built	
	Average Daily Tr...	32000
	PMS Data Date	2010
	IR1 - Left Wheel ...	155.15 in/m
	IR2 - Right Wheel...	145.09 in/m
	Rutting - Left Wh...	0.079 inche
	Rutting - Right ...	0.118 inche
	Grade	-0.56
	Fault Count	0
	Average Fault	0.00
	Maximum Fault	0
	Bridge Data Date	7/6/10
	Structure Number	05074
	Facility On Struc...	1-540, NB L
	Highest/Minimu...	16'2"
	Year Built	1971K
	Main Span Type	407: Steel c
	Approach Span ...	000: Other,
	Number of Appr...	0
	Maximum Span ...	87
	Structure Length	194
	Curb-to-Curb W...	43
	Out-to-Out Dec...	46
	Deck Condition	7
	Substructure Co...	8
	Operating Ratin...	50
	Bridge Posting	Code 4: 40
	Routine Inspect...	1/2010
	Designated Insp...	24
	Year Reconstruct...	0000N
	Deck Type	1

Roughness -- Scale 1342.60 Max 1342.60

22.875 mi Left 24.120 mi Right 22.875 mi

Route 62 West Frame:27, File: \\San2\mmhis\data9\VideoFiles\NH5\2010\105\Q0120000\00000000024\000000135176.jpg

04 072 062 010 2 TS 001 38.675 44.9 2010-05-26 05Q01200

Parameters - ARDOT Roadway Inventory Query

Database Year: 2008

Route Types to be Included:

- 01 INTERSTATE
- 02 U.S. NUMBERED (EXCLUDING INTERS)
- 03 STATE HIGHWAY

Type of Records to be Included:

- Mileage
- Description
- Bridge
- Job
- Railroad
- Exception
- Forage Roads
- Ramps
- Summary

Code and Meaning Display:

- Show Code
- Show Meaning

Data Fields to be Included:

- Record Type
- District
- County
- Route
- Section
- Beginning Logmile
- Ending Logmile
- Description
- Route Prefix
- Length
- Population Group
- Rural/Urban Area
- Urban Area
- Place Code
- Functional Class
- National Highway System
- System Status

Saved Configurations:

- MMHIS_Default

Time saver: Save the field list settings to the above box so you can reload it later...

Delete Selected Configuration...

Automatically Resize Column Widths in Query Result

Left Align All Cell Contents

Show SQL

Statement Before Executing

Execute Query

Send to Back

Exit

District	County	Route	Section
<Don't Care>	00-<Don't Care>	STATE HIGHWAY 1	1
01	01-Arkansas	STATE HIGHWAY 4	1V
02	02-Ashley	STATE HIGHWAY 5	2
03	03-Baxter	STATE HIGHWAY 7	4
04	04-Benton	STATE HIGHWAY 8	48
05	05-Boone	STATE HIGHWAY 9	5
06	06-Bradley	STATE HIGHWAY 10	55
07	07-Calhoun	STATE HIGHWAY 11	6
08	08-Callowell	STATE HIGHWAY 12	7
09	09-Chicot	STATE HIGHWAY 13	8
10	10-Clark	STATE HIGHWAY 14	9
	11-Clay	STATE HIGHWAY 15	98
	12-Cleburne	STATE HIGHWAY 16	10
	13-Cleveland	STATE HIGHWAY 17	11
	14-Columbia	STATE HIGHWAY 18	118
	15-Conway	STATE HIGHWAY 19	12

You can save the list before closing the program to avoid having to check the fields again next time you run the program.

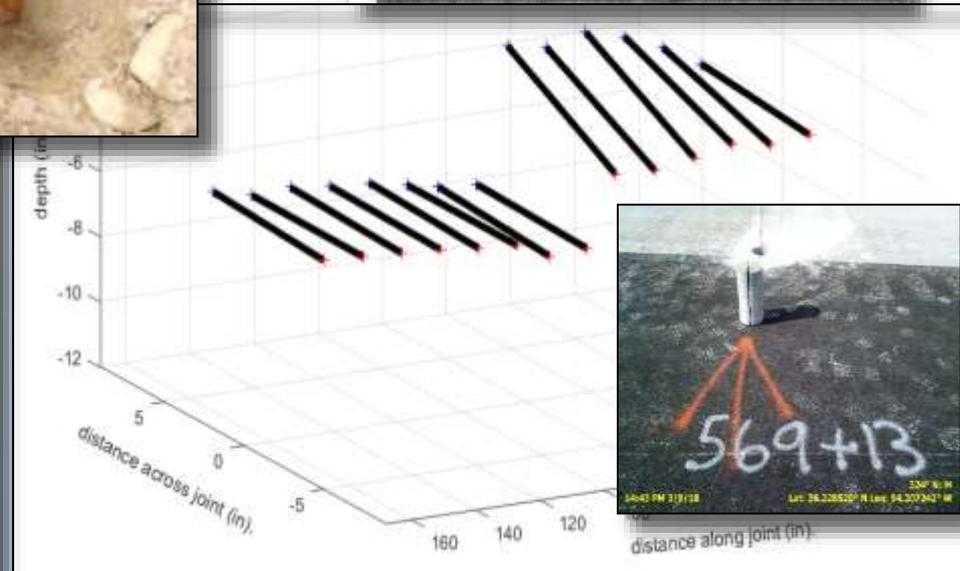
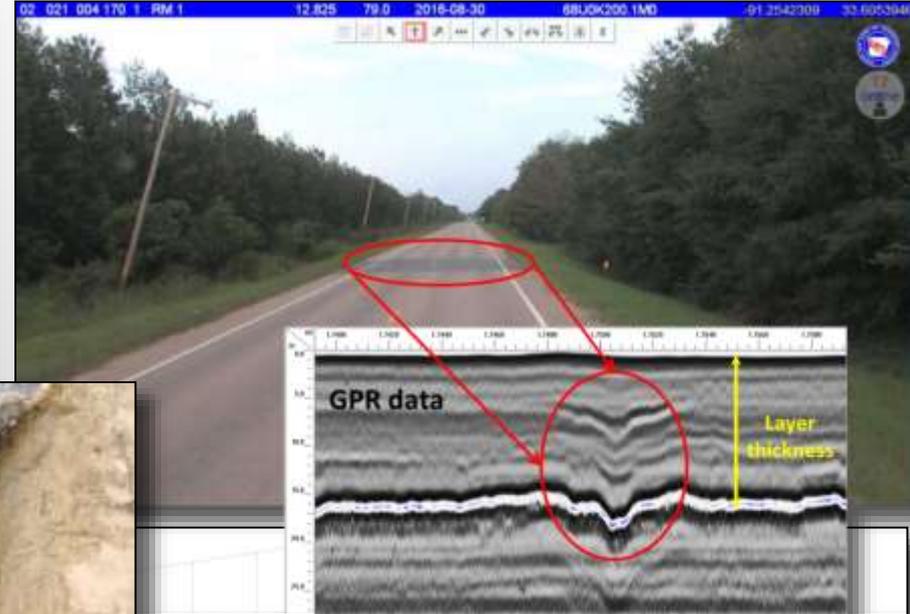
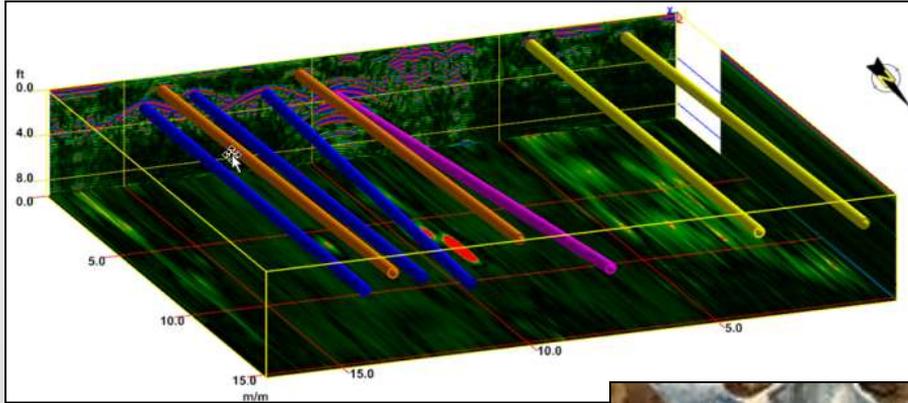
Intelligent Transportation Systems (ITS)



Cable Median Barrier



Ground Penetrating Radar (GPR)



Pavement Edge Drains



Falling Weight Deflectometer (FWD)



Superpave



Improvements in Pavement Smoothness



Pavement Preservation Treatments



- **Now Accepting**
 - ✓ Electronic Payrolls
 - ✓ Subcontracts
 - ✓ Various Other Documents
- **Increased Visibility for all Stakeholders**
- **Pass-through Service**
- **Electronic Contracts**
 - ✓ Construction
 - ✓ Consultant
- **Benefits**



Traffic Simulation Modeling



I-430 & I-630 Interchange



Accelerated Bridge Construction (ABC)

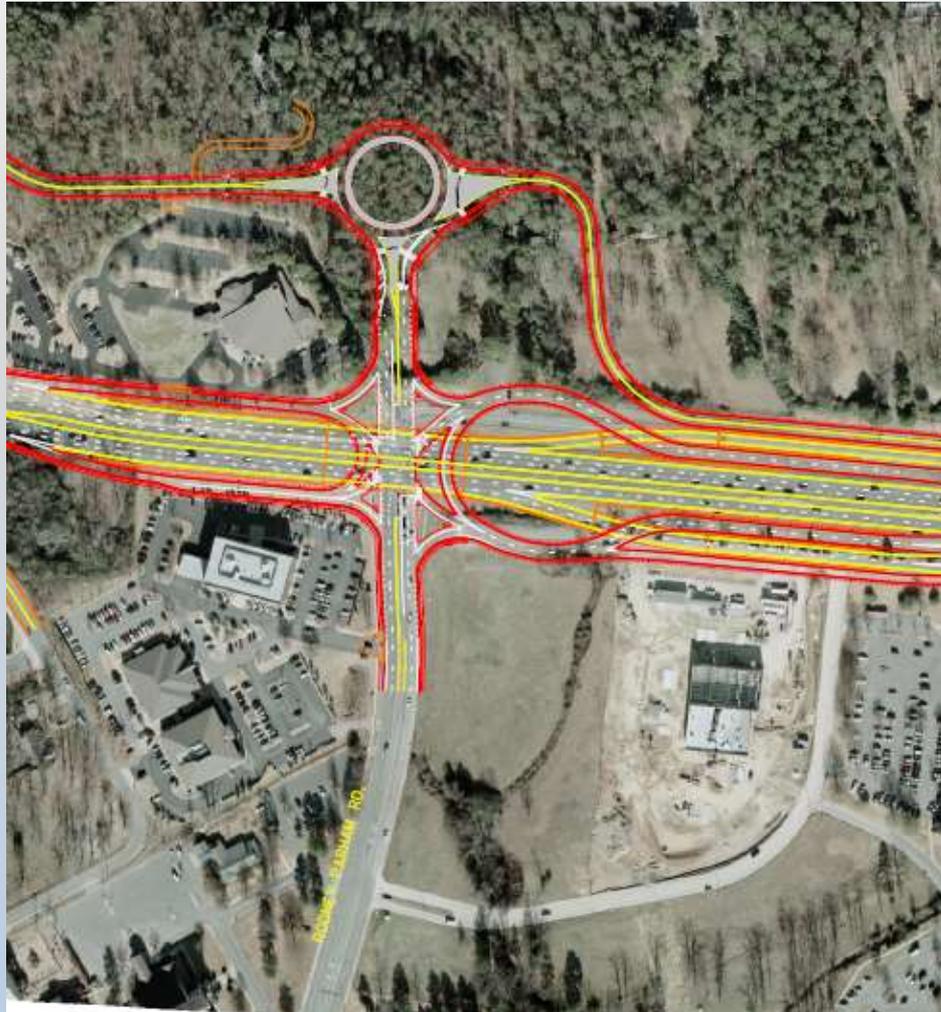


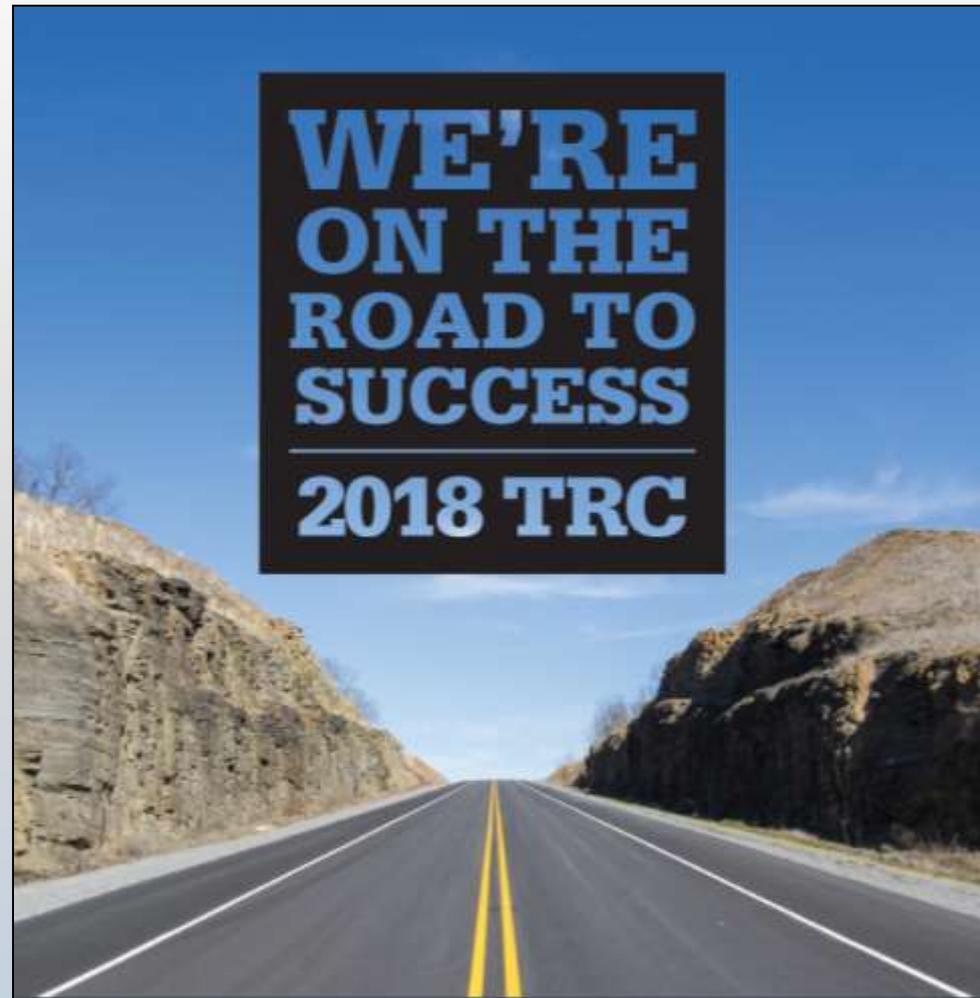
- ***Definition***
- ***Methods***
 - ✓ Design-Build
 - ✓ Public Private Partnerships (PPP)
 - ✓ Construction Manager/General Contractor





Job 061331 – Pleasant Ridge Rd. to Pleasant Valley Dr. (L.R.) (F)





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The background of the slide is a photograph of a two-lane asphalt road stretching into the distance through a canyon. The road has a double white line down the center and single white lines on the sides. The canyon walls are made of light-colored, layered rock. The sky is a clear, pale blue. The overall color palette is muted, with a blue tint.

Questions?