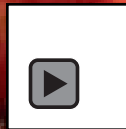




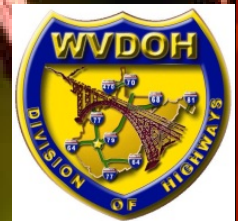
Program Management In the Rural Setting



2011 WVDOT/MPO/FHWA Planning Conference
The Resort at Glade Springs – Daniels, West Virginia
September 21, 2011

Ryland Wayne Musick, Jr., M.S.E., P.E.

Regional Program Manager – Districts Nine and Ten



Conferences Like This Are Eye-Opening!



Presentation Topics



- What is "Rural?"



- Negative Aspects and Considerations in Rural Projects and Program Management
- Positive Aspects and Considerations in Rural Projects and Program Management

Presentation Topics – Continued

- Slips / Slides
- Resurfacing / Rehab Projects
- STIP Document as it Relates to Rural Program Management



What is "Rural?"

- 
- According to Merriam-Webster Online, Rural Means "of or Relating to the Country, Country People or Life, or Agriculture."

(<http://www.merriam-webster.com/dictionary/rural>)

What is "Rural" to You?



Urban or Rural?



Negative Aspects and Considerations in Rural Projects and Program Management

- Materials Delivery

- In the Rural Setting, Asphalt Can Take 2+ hours for Transport and Delivery

 - Product Quality Suffers

 - Portable Asphalt "Hot Box" – Small-Term Solution



- In the Rural Setting, You Can't Always Get Your Project Materials "There from Here."

 - Mountainous Terrain

 - Narrow Roadways

 - Stiff Horizontal and Vertical Roadway Curvature



Negative Aspects and Considerations in Rural Projects and Program Management

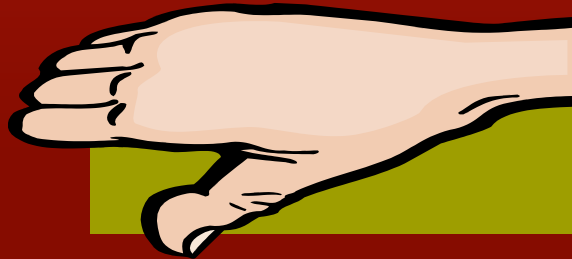
- Project Costs
 - More Expensive Due to Mobilization Costs from Location
 - More Expensive Due to Quantity Amounts
- Contractor Availability
 - "Ain't but One Horse in Town"
 - Asphalt Contractor – Contractor Swamped and Asked to Perform Additional Work
 - Drill Contractor – Likewise, Limited Number of Contractors Available



Negative Aspects and Considerations in Rural Projects and Program Management

- Emergency Projects and Insufficient Management Time
 - Fight the Human Element of the Emergency Perspective
 - End Result – Worst Facilities Get Repaired First
 - Fall into the Trap of Improper Infrastructure Management

- Limited Sometimes to No Other Available Options for Transportation Route Alternatives
 - Example – Smokestack Lane – McDowell County



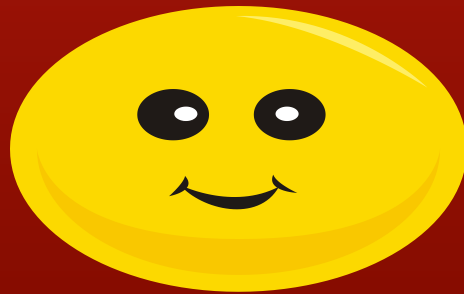
Positive Aspects and Considerations in Rural Projects and Program Management

- Flexibility
 - Oftentimes Given Freedom to Analyze Repair in Different Ways
 - Right of Way Usually Not Constrained
 - Proper Project Scope Suitable to Economy
- Human Side of Engineering 
 - Exploratory and Open
 - Free Spirit of Engineering can be Exercised



Positive Aspects and Considerations in Rural Projects and Program Management

- Greater Outreach
 - Often Able to Reach Those Who May Appear Less Accessible due to Location
 - More Appreciation at Times as Well



Slips / Slides

- In the Rural Setting, the Intensity of Emergencies Seem to be Worse.
- No Pipe Dream Jobs – Usually Discovered When Already Urgent!
- Little Chance to be Flexible



Slips / Slides



Slips / Slides



Slips / Slides



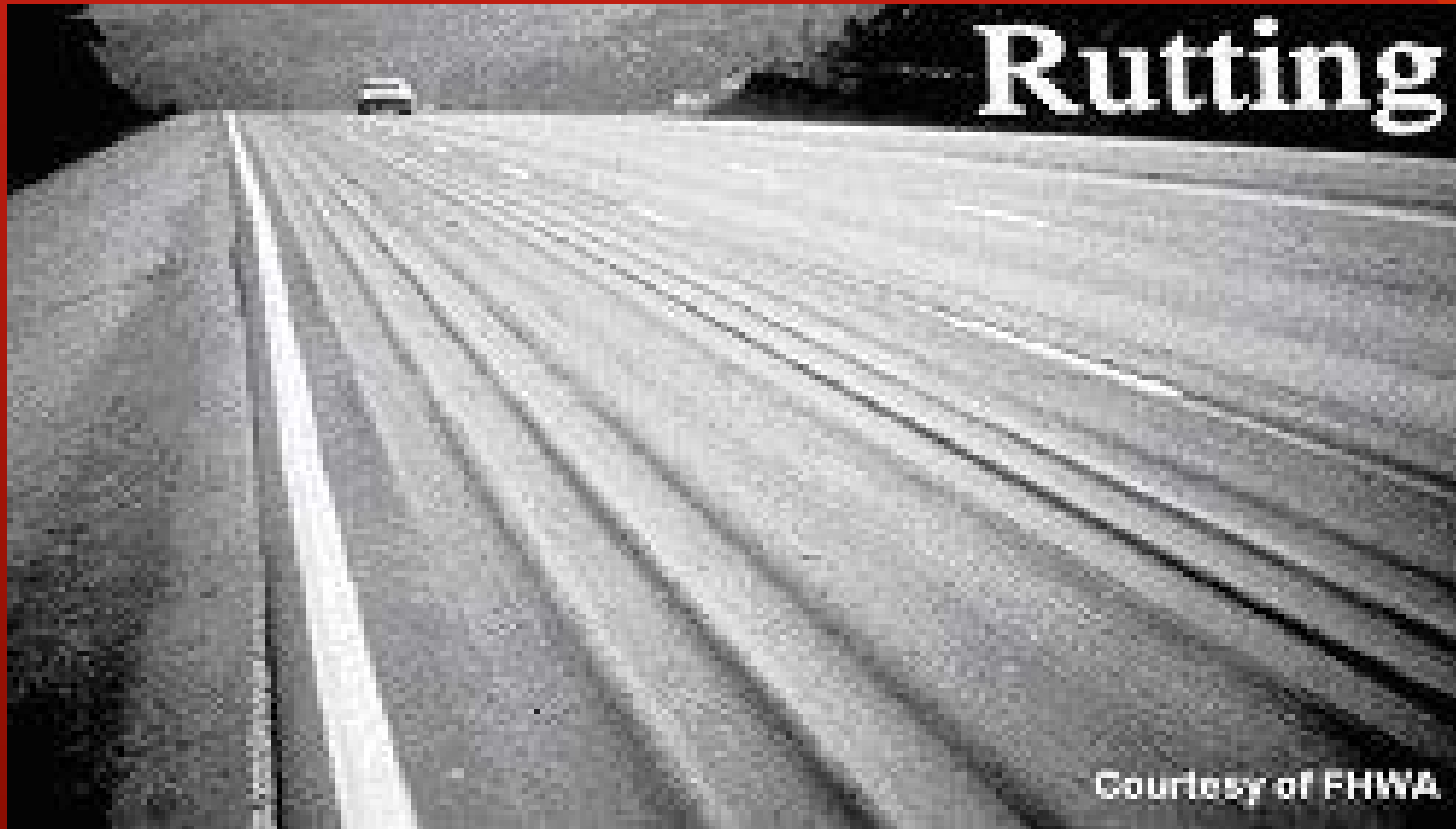
Resurfacing / Rehab Projects

- In a Rural Setting is an Excellent Example of Where a Pavement Management System is Difficult to Implement.
- Rural Roads are Prime Candidates for Heavy Trucks and Other Equipment.
 - Caveat – Good Place for Group Assistance (CRTS, Agreements, Et Cetera)
- Other Factors, such as Average Daily Traffic (ADT), and Current Condition May or May Not Warrant Rehab.
 - (US 19 – Mercer County – Near Turnpike)

Resurfacing / Rehab Projects – The Culprit and Knight in Shining Armor



Resurfacing / Rehab Projects - Rutting



Resurfacing / Rehab Projects - Premature Cracking



Resurfacing / Rehab Projects - Shoving



STIP Document as it Relates to Rural Program Management

S3551833600	WYOMING	CO018	3.36	0.80	HERNDON HEIGHTS 2	CON	09/28/11 E	09/28/11 E	11/28/11 E	\$105,000	PO	CP-0					
S355101100200	WYOMING	CO010/11	0.02	1.36	GULF FORK RD +1	CON	09/28/11 E	09/28/11 E	11/28/11 E	\$135,000	PO	CP-0					
S35510900000	WYOMING	CO010/09	0.00	1.15	COON FORK RD	CON	09/28/11 E	09/28/11 E	10/28/11 E	\$59,853	PO	CP-0					
S3412759300	RALEIGH	CO027	5.93	3.40	PLUTO RD 2	CON	09/28/11 E	09/28/11 E	11/28/11 E	\$575,000	PO	CP-0					

(B20090) SUB-TOTAL FOR SFY 2012 = \$1,430,398

DISTRICT 10 PROGRAM REVIEW LIST - ALLOCATION CODE (B30010) - SFY 2012

PROJECT REFERENCE INFORMATION													PROJECT CHANGE REQUESTS				
STATE PROJECT NO.	COUNTY	ROUTE	BMP	MILES	PROJECT NAME	PHASE	Auth.	Start	End	Estimate	BY	DEV_RESP	Priority	Start (R)	End (R)	Cost (R)	REMARKS
S32819230500	MERCER	CO019/02	3.05	0.01	FAIRVIEW SCHOOL RD	CON	08/19/11 A	09/28/11 E	12/28/11 E	\$218,600	DF	CP-0					
S3551157500	WYOMING	CO001	15.75	0.01	RAVENCLIFF RD	CON	10/28/11 E	10/28/11 E	12/28/11 E	\$50,000	DF	CP-0					
S32483167600	MCDOWELL	WV083	16.76	0.01	YUKON RD	CON	10/28/11 E	10/28/11 E	12/28/11 E	\$150,000	PO	CP-0					
S35597124100	WYOMING	WV971	2.41	0.01	BAILEYSVILLE-CLEAR FK RD	CON	10/28/11 E	10/28/11 E	12/28/11 E	\$90,000	DF	CP-0					

(B30010) SUB-TOTAL FOR SFY 2012 = \$508,600

DISTRICT 10 PROGRAM REVIEW LIST - ALLOCATION CODE (B30010) - SFY 2013

PROJECT REFERENCE INFORMATION													PROJECT CHANGE REQUESTS				
STATE PROJECT NO.	COUNTY	ROUTE	BMP	MILES	PROJECT NAME	PHASE	Auth.	Start	End	Estimate	BY	DEV_RESP	Priority	Start (R)	End (R)	Cost (R)	REMARKS
S3412921800	RALEIGH	CO029	2.18	0.02	LILLYBROOK RD	CON	07/28/12 E	07/28/12 E	09/28/12 E	\$100,000	DF	CP-0					
S34116255400	RALEIGH	WV016	25.54	0.02	BRADLEY RD	CON	07/28/12 E	07/28/12 E	09/28/12 E	\$125,000	DF	CP-0					
S3243107500	MCDOWELL	CO003/01	0.75	0.01	TRAP FORK RD	CON	07/28/12 E	07/28/12 E	06/28/13 E	\$92,000	DF	CP-0					

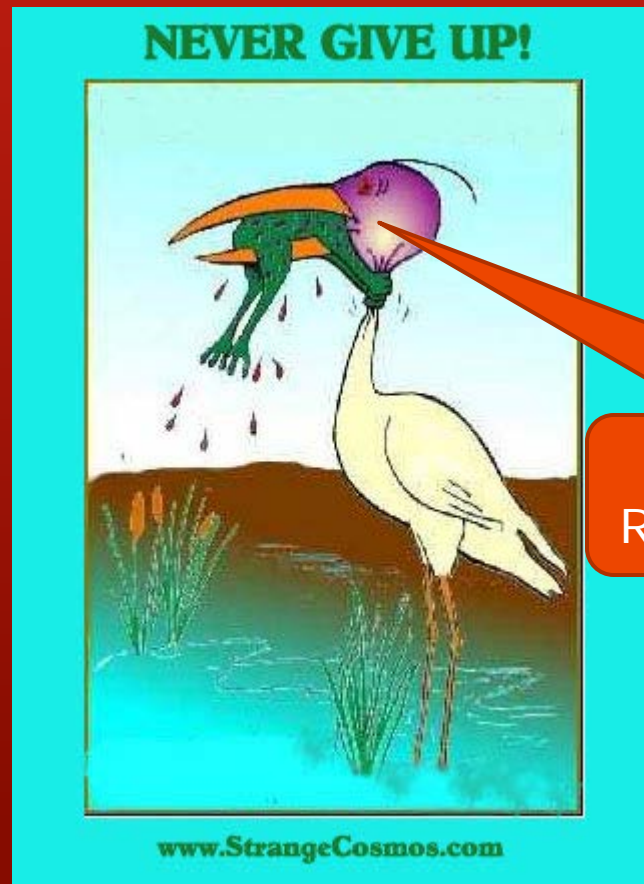
(B30010) SUB-TOTAL FOR SFY 2013 = \$317,000

STIP Document as it Relates to Rural Program Management

- Rural Projects May Require a Greater Insight When it Comes to Development and Shuffle
- Both the State STIP and Federal STIP are Breathing Living Documents – Subject to Change!
- STIP Document Should be Approached with Diligence

STIP Document as it Relates to Rural Program Management

- Manage the Program or It will Manage You



Life is Tough Being a
Regional Program Manager!

Questions?



THANK YOU FOR YOUR ATTENTION!



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