Whitley County, Kentucky
DR 1818-162
Mountain Ash Road Slide Repair

Presentation by:
Amber Owens, Director of County Projects
And
Jimmy Bates, Director of Infrastructure
The Reason

• In 2002, Mountain Ash/Tackett Creek Road sustained three massive slides because of heavy rainfall in Whitley County. The county repaired the damage at a cost of $25,000.

• In 2008, due to another massive rain event, Mountain Ash/Tackett Creek Road was impassable because of slides in the same locations. The county repaired the damage at a cost of $20,000.

• In 2009, another rain event caused the road to slide again, closing the road to school buses and local traffic. The county spent $24,000 to allow local residents and buses to travel the road.

• The same happened in 2010 and 2012.

• In 10 years the county spent nearly $150,000 to try to fix the area.
The Reason

• There were more than 200 residents on the other side of the slides.

• There is an alternate route around the slides, but because of the rural area and mountainous terrain, the alternate route added anywhere from 30 to 45 minutes onto their drive into town.

• During one of the county’s repairs, gabion baskets were placed along the sides of the road. Those did hold for a while, but eventually, the slides started again, and were getting worse. At one point, the area around one slide was almost a one lane road.
The Reason
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The Grant

- Hazard Mitigation Grant
  - DR 1818-162
    - Supporting documents from previous slides
    - Number of people affected when road is closed
    - A plan for repair
    - An estimate for the repair
    - Photos
The Grant

• The Award:
  – Federal Share: $146,699.00
  – State Share: $23,472.00
  – Local Share: $25,428.00
  – Total Project Cost: $195,598.00
The Fix

• Needed a plan other than what had already been tried
• A plan was developed to drive railroad steel along the side of the road where there were slides, to stabilize the road
  – Place guardrail cribbing
  – Total of 357 linear feet
  – Blacktop the areas where slides occurred
The Fix

• Solicit sealed bids from contractors
  – The requirements of this project required specific specs and specialized equipment, all of those requirements were listed in the public notice
  – Contractors wishing to bid were required to visit the slide area with county officials to see where they would be working if the bid was awarded to their company

• Open bids

• Award bids to lowest bidder
The Fix
The Fix
The Fix
The Fix
The Fix

[Image of a road with a gravel shoulder and a wooden barrier with debris on the shoulder and in the road, surrounded by trees and fall leaves.]
QUESTIONS???????