



**STATE ROAD 11**

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# **Public Information Meeting**

June 30<sup>th</sup>, 2022  
South Harrison Community Center





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## PROJECT TEAM

- Steve Fleming – Project Team
- Jeremy Kieffner – Environmental Lead
- Dominick Romano – Highway Design
- Nikki Patke – Highway Design
- Mark Riehle – Bridge Design
- Peter Putzier – Environmental
- Ed Slaton – Right-of-Way Services
- David Goffinet – Public Outreach





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## AGENDA

- Project Description
- Project Timeline
- Efforts to Date
- Purpose & Need
- Alternatives Development
- Alternatives Analysis
- Next Steps







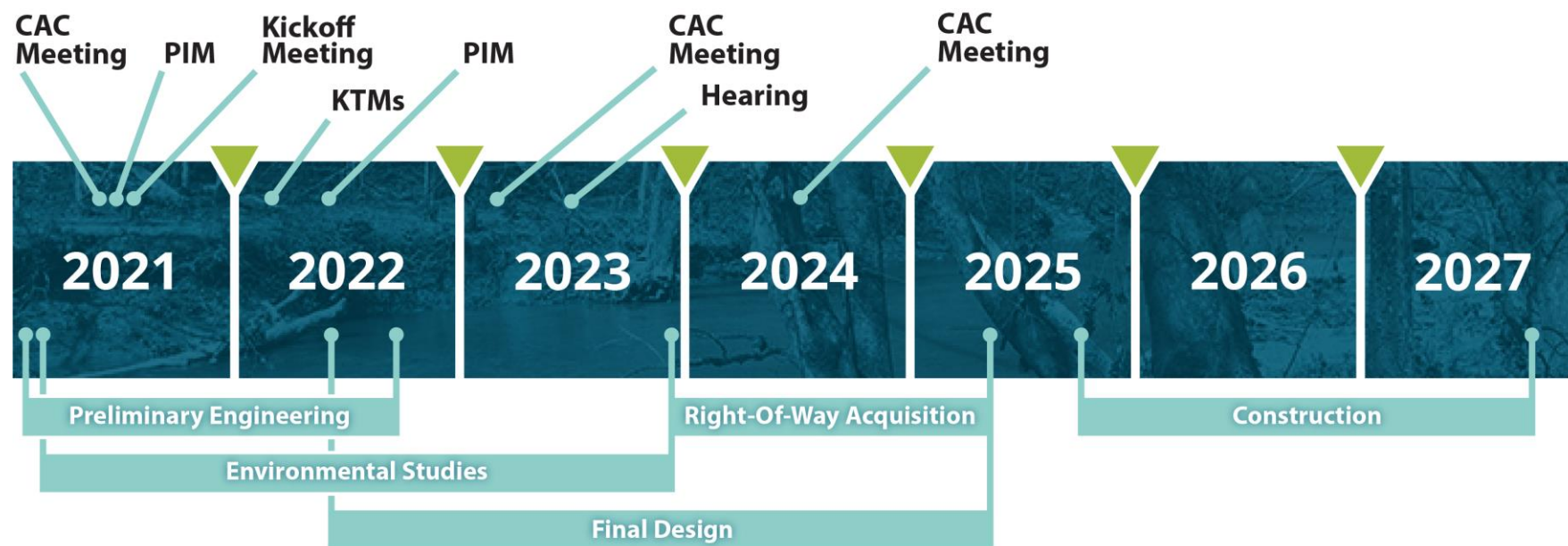
# Western extension of SR 11 from the intersection of SR 337, SR 11, and Melview Road to SR 135 in South Harrison County





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## PROJECT SCHEDULE







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## EFFORTS TO DATE

- Topographic survey – still ongoing
- Geotechnical analysis – subsurface investigations
- Environmental resources investigations
  - Desktop research – GIS resources
  - Field studies
    - Wetlands
    - Streams
    - Karst – sink holes, caves, underground water systems (dye testing)
    - Wildlife habitat





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## EFFORTS TO DATE

- Develop Purpose & Need
  - Past planning efforts
  - First public information meeting
  - Engage local officials
  - Community Advisory Committee
  - Safety analysis
  - Existing facility assessments
  - Travel time analysis







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## EFFORTS TO DATE

- Alternatives development
  - Potential alternatives
  - Preliminary screening
  - Preliminary design
  - Kitchen table meetings
  - Design refinement







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## PROJECT NEED

- Improve safety, mobility and accessibility in southern Harrison County.
  - Hilly, narrow, and often winding roadways with multiple 90-degree turns and poor sightlines are a safety concern and extend travel times
  - There are only three crossings of Buck Creek in southern Harrison County





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## SAFETY MEASURES

- Index of Crash Frequency (Icf)
- Index of Crash Cost (Icc)
- Index of 1.0 – crash costs or frequencies > approximately 83% of similar locations in Indiana
- Index of 2.0 - crash costs or frequencies > approximately 98% of similar locations in Indiana







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## INTERSECTIONS OF CONCERN

- SR 135 / Watson Road
  - lcf 2.82 & lcc 1.72
  - 5 crashes since 2010 that involved either a fatality or incapacitating injury
- Old Hwy 11 / Old Goshen Road
  - lcf 1.95 & lcc 0.77
- SR 11 / Old Hwy 11 / SR 337
  - lcf 1.21 & lcc (-0.15)
  - High frequency but lower number of severe accidents





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## SEGMENTS OF CONCERN

- Old Hwy 11 between SR 135 and SR 337 has an lcf of 1.25 and lcc of 1.36
- Wiseman Road between SR 135 and SR 337 has an lcf of 3.48 and lcc of 1.44
- Old SR 337 between Wiseman Road and SR 11 has an lcf of 0.31 and lcc of 0.17







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## GEOMETRIC DEFICIENCIES

- Watson Road: (at least five locations)
  - poor stopping sight distance due to crests in the vertical curvature
  - pavement width typically only 20' wide
- Union Chapel Road: (at least five locations)
  - horizontal curvature radius is as low as 100'
  - profile grade as steep as 6%
  - pavement width is typically only 20' wide





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## GEOMETRIC DEFICIENCIES

- Old Hwy 11 between SR 135 and SR 337:  
(at least 20 locations)
  - horizontal alignment is deficient (multiple curves)
  - require warning signs with advisory speed plaques as low as 20 mph
- Old SR 337 between SR 11 and Wiseman Road:  
(at least 14 locations)
  - horizontal alignment is deficient (multiple curves)
  - require warning signs with advisory speed plaques as low as 15 mph







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## EXTENDED TRAVEL TIMES

- When the average speed for roadways is less than the posted speed limit
- This results in slower travel times along existing routes than desired





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## EXTENDED TRAVEL TIMES

- Watson Road / Union Chapel Road / Old Goshen Road corridor
  - 6.6 miles in length
  - average travel speed of 36 mph
  - travel time of 11 minutes
- Old SR 11 corridor between SR 135 and SR 337
  - 10.5 miles in length
  - average travel speed of 42 mph
  - travel time of 15 minutes
- Old SR 337 / Wiseman Road corridor between SR 11 and SR 135
  - 7.5 miles in length
  - average speed of 38 mph
  - travel time of 12 minutes







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## PROJECT PURPOSE

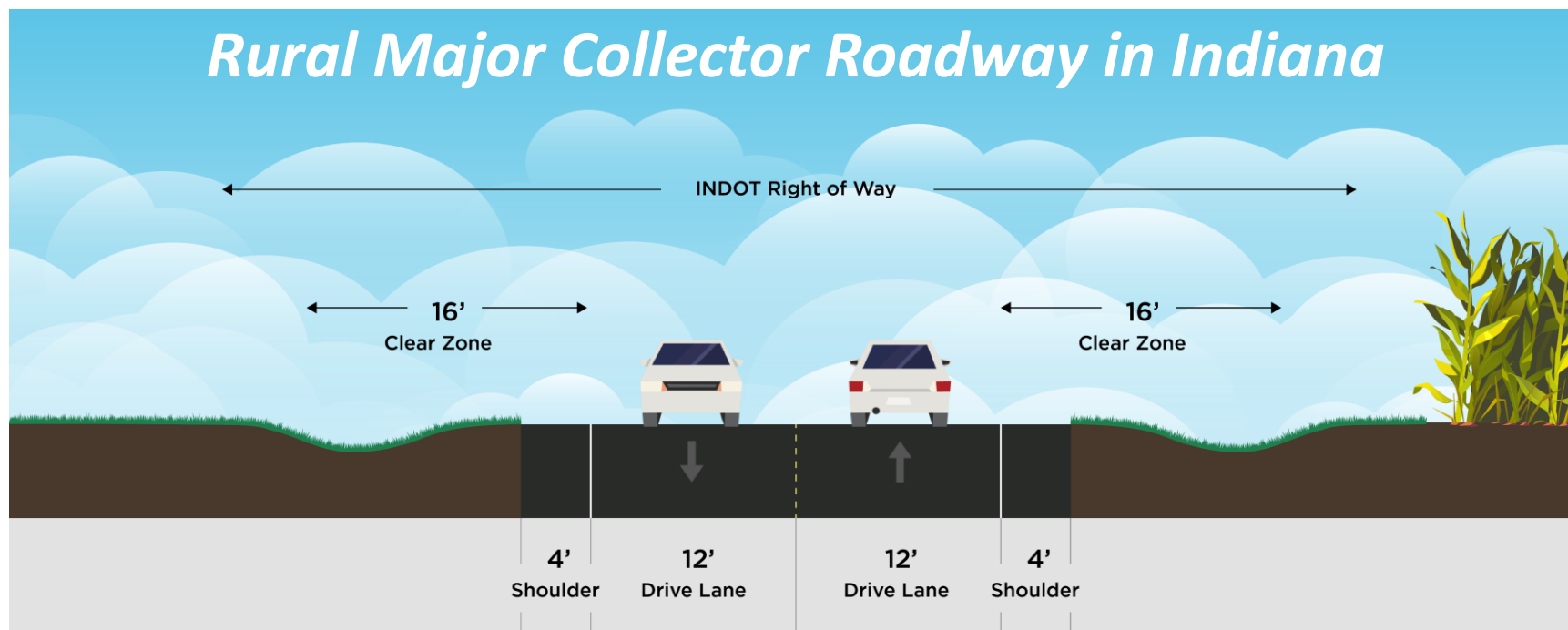
- Provide an improved east to west transportation link in southern Harrison County that meets current INDOT standards for rural state highways and improves access:
  - to and from Corydon (north),
  - to and from Brandenburg (south),
  - to and from South Central schools, South Harrison Park, and other local destinations.





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## TYPICAL SECTION



55 MPH Design Speed (45 mph posted speed) with 5% Maximum Vertical Slope and minimum horizontal curvature







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## ALTERNATIVE DEVELOPMENT





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## POTENTIAL ALTERNATIVES

**Option 1:** Upgrade facilities with Buck Creek bridge crossing

- Old Hwy 11 from Old Hwy 337 intersection to SR 135 near Mauckport
- Wiseman Road with Old Hwy 337
- Watson-Union Chapel-Old Goshen

**Option 2:** Upgrade existing facilities and provide new Buck Creek bridge crossing

- Heth Washington - St. Michael's – Old Hwy 337 with new terrain connection and bridge
- Watson Road - Melview Road with new terrain connection and bridge







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## PRELIMINARY SCREENING

### **Option 1:** Upgrade facilities with Buck Creek bridge crossing

- Higher impacts – relocations, properties, ag property and natural resources
- Higher costs
- Eliminated from further consideration

### **Option 2:** Upgrade existing facilities and provide new Buck Creek bridge crossing

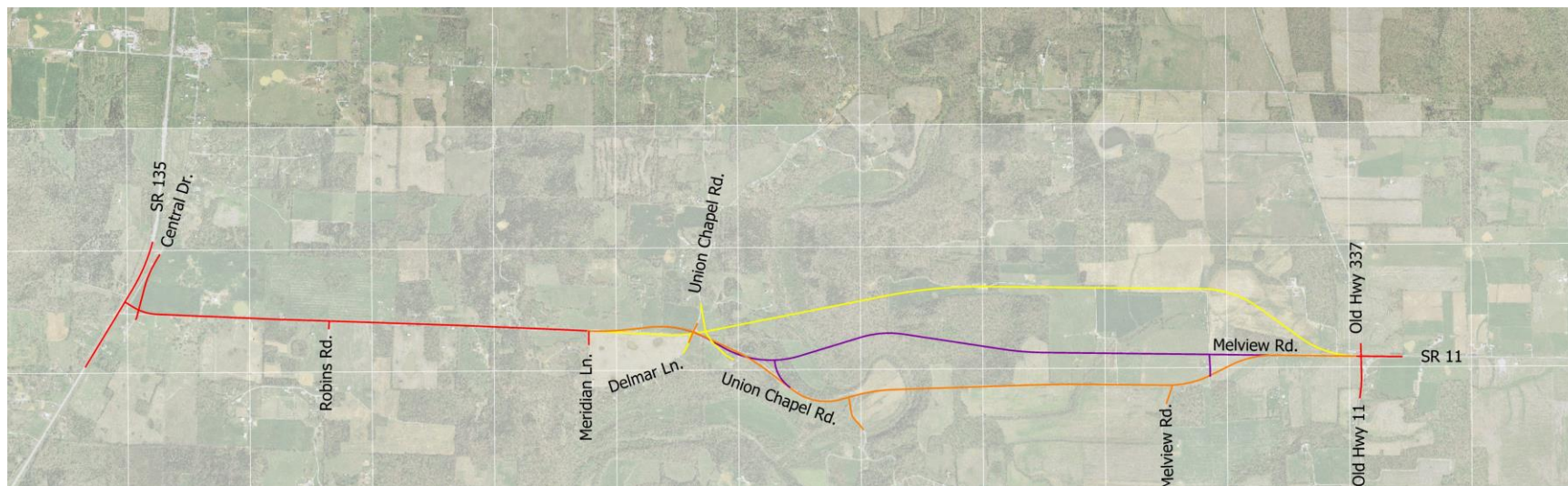
- Heth Washington - St. Michael's – Old Hwy 337 with new terrain connection and bridge
  - Higher impacts than Watson – Melview option
  - Eliminated from further consideration
- **Watson Road - Melview Road carried forward for detailed analysis**





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## ALTERNATIVES FOR DETAILED STUDY



Watson Rd option carried forward with 3 alternative alignments







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## ALTERNATIVE ANALYSIS

- **Impacts** – human and natural environment
  - Potential relocations, farming operations, etc.
  - Forests, wetlands, karst features, threatened and endangered species, etc.
- **Costs** – construction, right-of-way, utility relocations, etc.
- **Benefits** – improved safety and travel time savings
  - Alternatives provide similar benefits





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## NEXT STEPS

- Refine design on each alternative
- Incorporate feedback from PIM #2 to further inform each alternative
- Complete detailed alternative analysis
- Release environmental document (with alternative recommendation) and conduct public hearing (anticipated spring of 2023)
- Finalize environmental document







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## NEXT STEPS

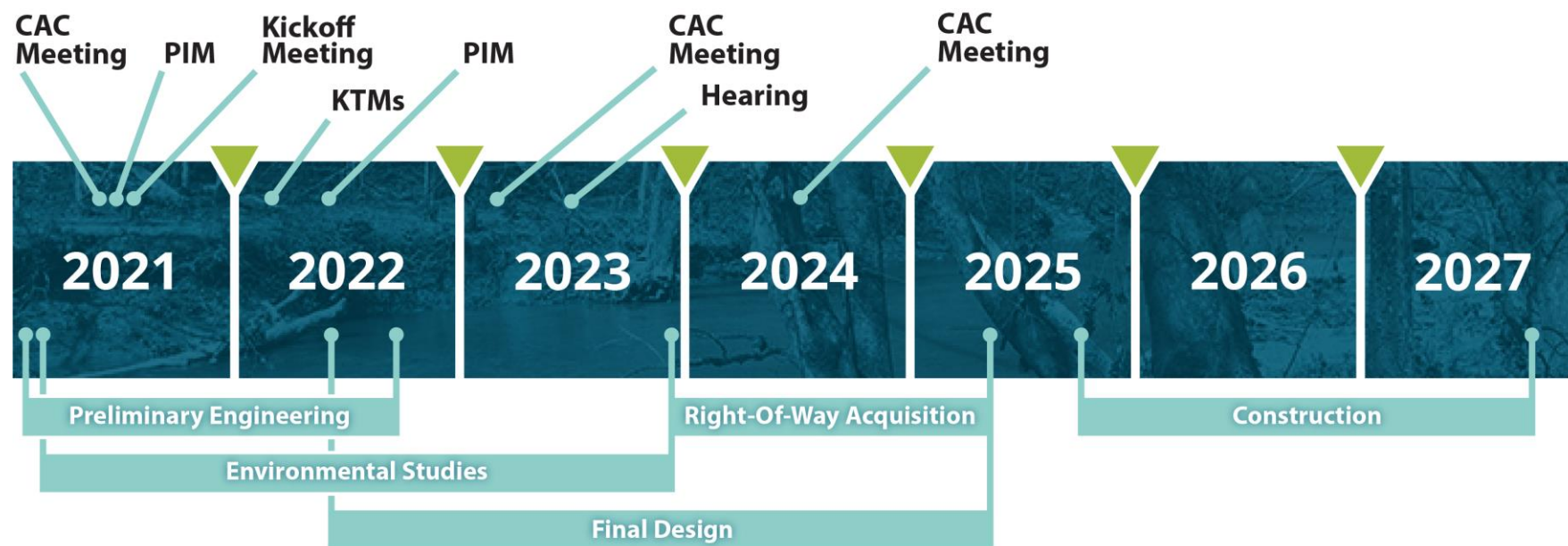
- If build decision proceed to Phase 2:
  - Final design of selected alternative
  - RW Acquisition
  - Construction





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## PROJECT SCHEDULE



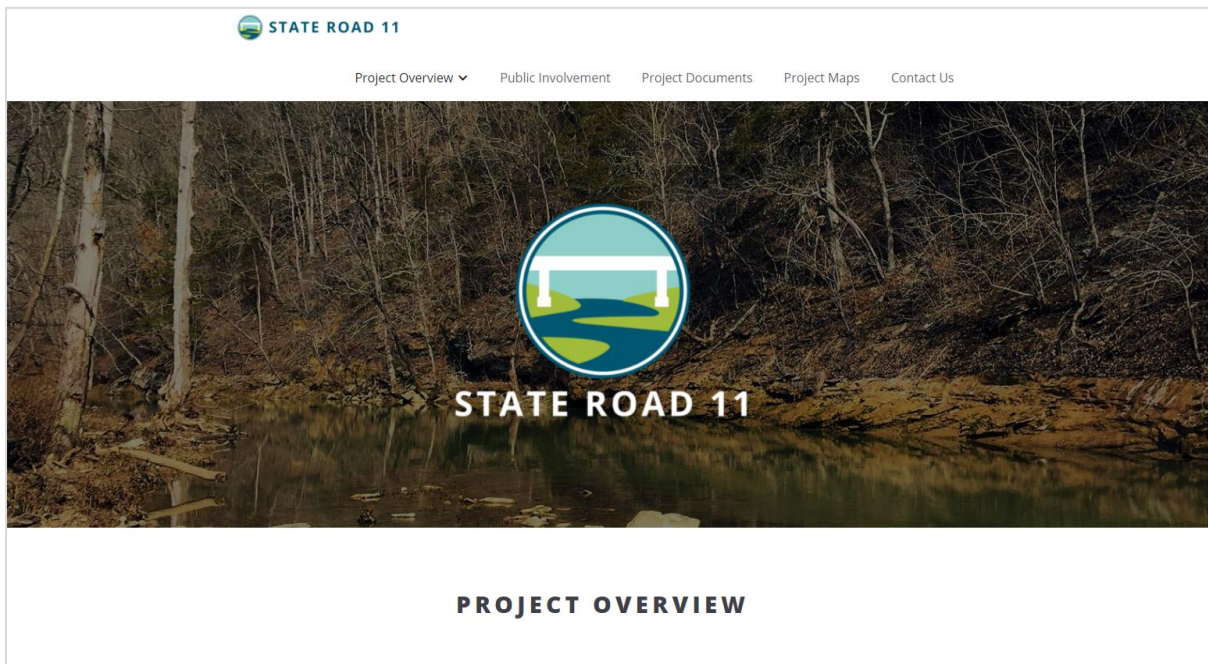




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## PROJECT WEBSITE

<http://www.sr11extension.com>

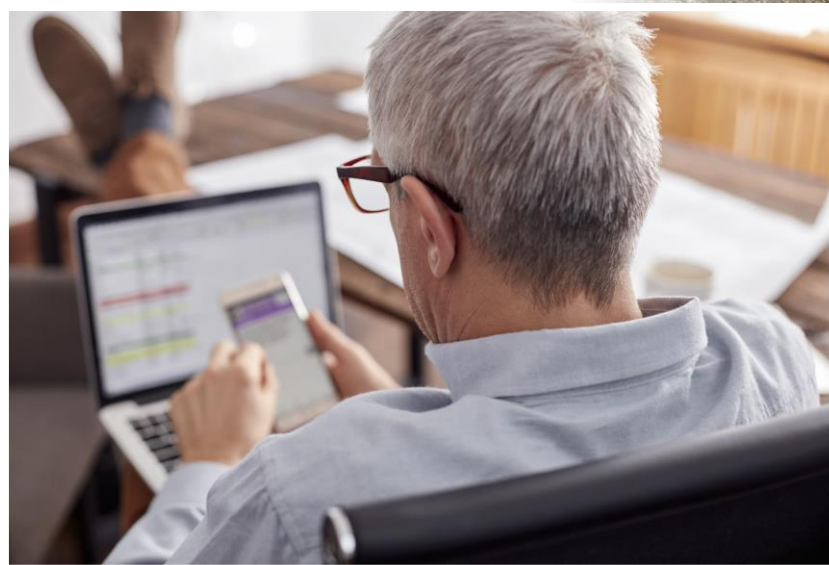




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## STAY ENGAGED

- Sign up for email alerts  
(via website or sign-in sheet)
- Submit Comment Form(s)
- Kitchen Table Meeting POCs







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# THANK YOU

