RICHMOND
REGIONAL TRANSPORTATION SAFETY PLAN (RTSP)

Working Group Meeting

Eric Tang, PE, RSP1, RSP2B, VHB
Chris Daily, PE, VHB
Chuck Conran, PE, VHB
Ian Hamilton, AICP, VHB

September 16, 2021

Agenda

- Introductions and expectations for the meeting
- Progress to Date
  - Recap RRTPO Vision Zero Emphasis Areas
  - Recap PSAP Corridor Analysis and Crash Trees
  - Report Development
- Next steps
- Discussion/Q&A

PROGRESS UPDATE

Emphasis Areas

- Impaired Driving
- Speed
- Occupant Protection
- Roadway Departure
- Intersections
- Young Drivers
- Bicycles
- Pedestrians

Patterns by Road Class

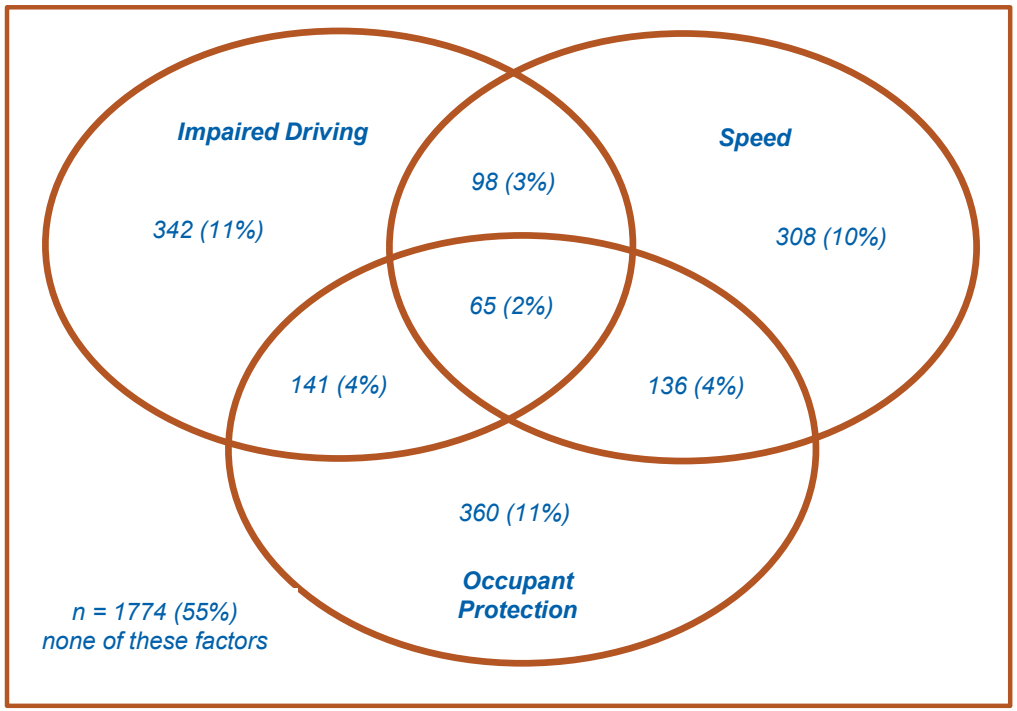
- Primary
- Secondary
- Local

Speed Considerations

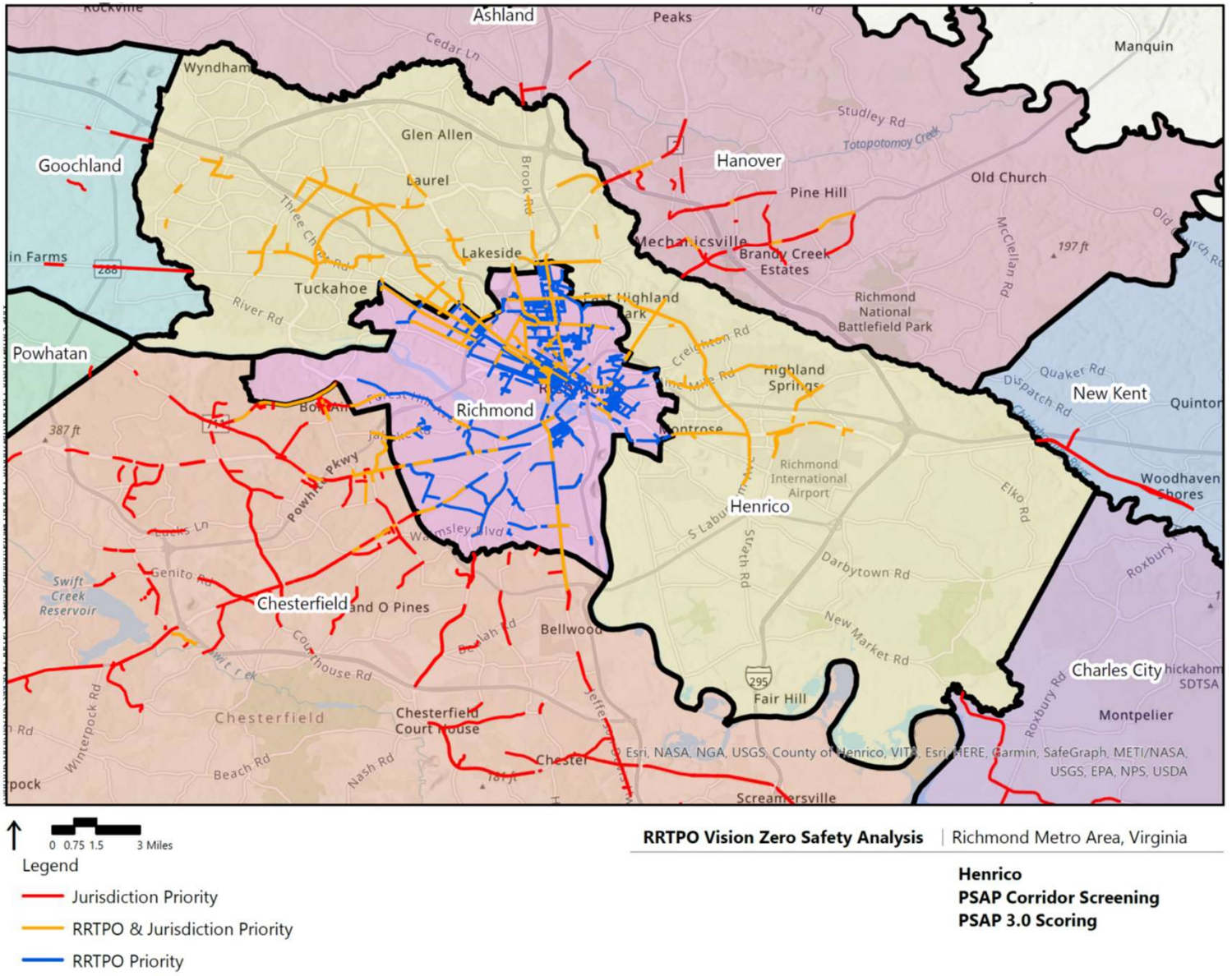
- Speed vs. Speeding
- Relationship to Speed Limit
- Crash Trees

Emphasis Areas

- **Venn Diagram analysis that shows multiple factors in a crash**

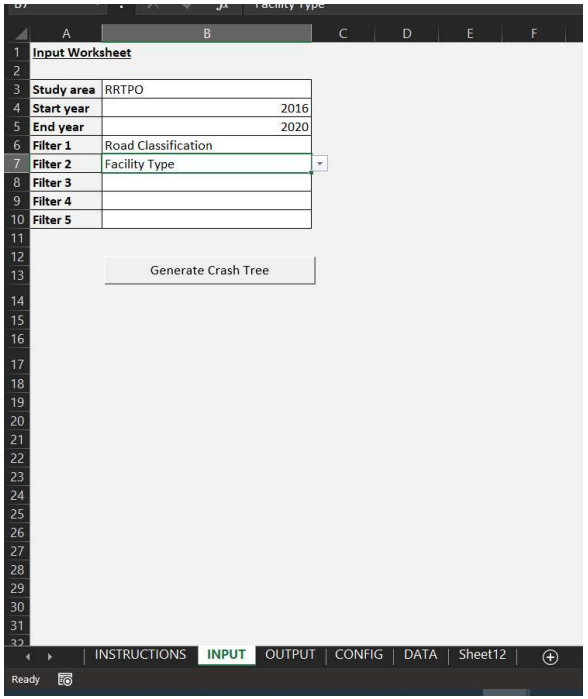


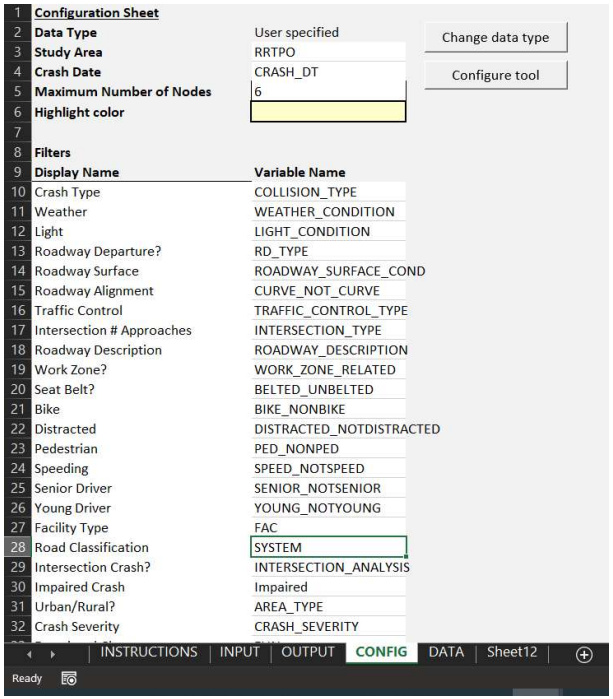
Pedestrian Safety Action Plan

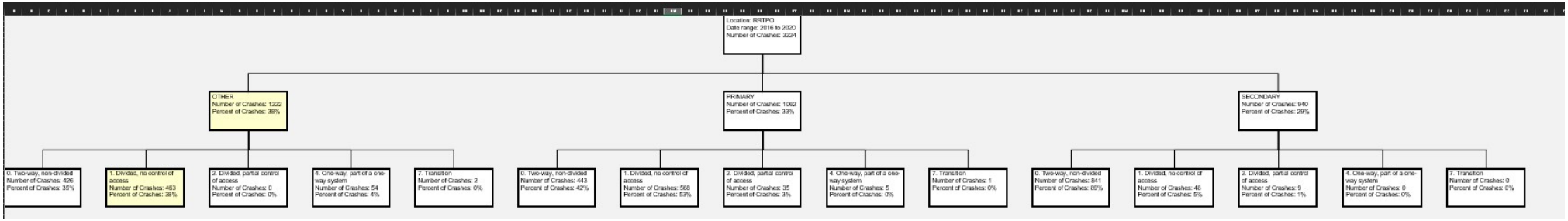


Crash Trees

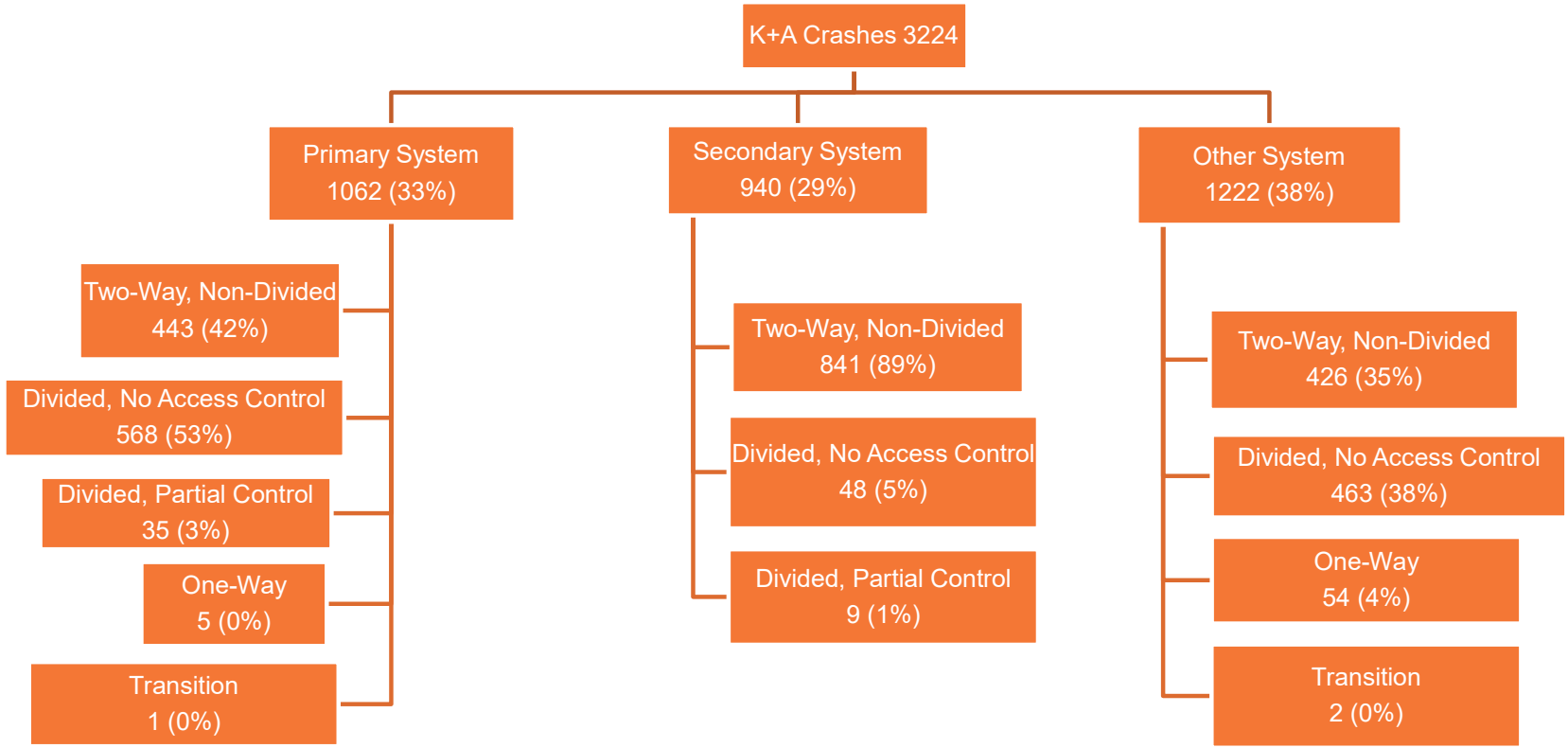
- **FHWA Crash Tree Tool**
- ***Under Systemic Tools at https://safety.fhwa.dot.gov/LRSPDIY/safety-data.cfm***







Crash Tree Example
Road System



Report Development

- **Introduction**
- **Regional Safety Trends (FHWA Safety Metrics)**
- **Crash Characteristics**
  - Cross-Tab Matrix, Venn Diagrams, High Injury Network, Health Opportunity Index, Regional Crash Tree
- **Locality-Specific Highlights**
  - Predominant crash factors in each locality, Cross-Tab, High Injury Network, Venn
  - Key Corridors and Locations for Potential Safety Investment
- **General Countermeasures**
- **General Implementation Options**
  - Linkages to VDOT tools and resources
- **Appendices**

Next Steps

- Provide Crash Tree Tools for each locality
- Documentation into Final Report
  - Draft Early to Mid October 2021

Questions and Discussion

Thank you!

Eric Tang
VHB – Senior Highway Safety Engineer
etang@vhb.com
(202) 739-9516