

# IMPROVE 81

## I-81 CORRIDOR IMPROVEMENT PROGRAM

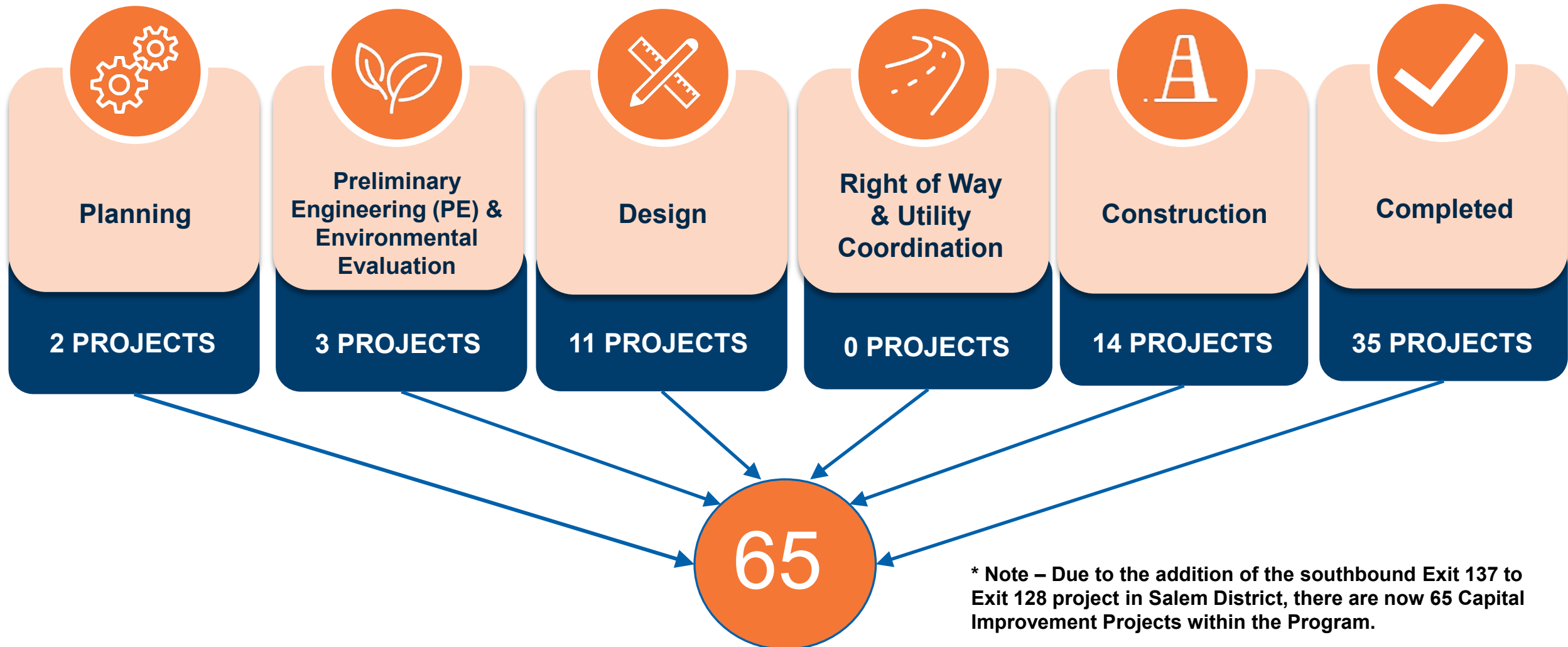
### Leadership Briefing

**Dave Covington, PE**

I-81 Program Delivery Director

Summer 2024

# Project Development Process (Capital Projects)



# Capital Improvement Project Status – Bristol District

## Completed Projects:

- Mile Markers 18 NB & SB, 22, and 68 Curve Improvements
- Exit 19 Deceleration Lane Extension (Abingdon)
- Exit 26 SB Acceleration and Deceleration Lane Extensions (Emory)
- Exit 39 SB Acceleration Lane Extension (Seven Mile Ford)
- Bundle project (Exit 39 NB Decel, Exit 39 SB Decel, Exit 43 SB Accel)
- Exit 47 NB Acceleration Lane Extension, single phase Design-Build project (Marion)
- Auxiliary Lane – Exit 54 SB Entrance Ramp to Smyth Safety Rest Area (South of Rural Retreat)
- Exit 67 NB Deceleration Lane Extension (South of Wytheville)
- Exit 84 SB Deceleration Lane Extension (North of Fort Chiswell)

# Capital Improvement Project Status – Bristol District

- **Completed Projects Continued:**

- Exit 17 SB Acceleration Lane Extension (Abingdon)
- Exit 47 SB Acceleration Lane Extension
- Truck Climbing Lane - Exit 39 NB Entrance Ramp to mile marker 40.6

- **Projects Under Construction:**

- Exit 72 NB Decel Extension and I-77 Exit 41 to I-81 SB Exit 72 Auxiliary Lane – Design-Build (Wytheville)
- Auxiliary Lane from Exit 73 to Exit 72 SB (Wytheville)
- MM 9.7 to MM 8.1 SB Widening to three lanes (Bristol)
- Exit 32 to MM 33.5 NB Truck Climbing Lane (Washington County)

# Capital Improvement Project Status – Bristol District

- **Projects Under Construction Continued:**

- MM 34 to MM 33 SB Truck Climbing Lane (Washington/Smyth Counties)
- Extend I-77 NB Decel lane and reconfigure ramp (Wytheville)
- Exit 81 SB Decel Lane Extension – Advertised for construction July 9, 2024 (Wytheville)

- **Upcoming:**

- Exit 45 NB Deceleration Lane Extension (Marion)

# Capital Improvement Project Status – Salem District

- **Completed Projects:**

- Exit 89 NB Acceleration Lane Extension (Pulaski)
- Mile Markers 172 to 176 NB & SB & MM 88 Curve Improvements
- Troutville Rest Area SB Entrance and Exit Extension (2 projects) – Troutville

- **Projects Under Construction:**

- Exit 137 to Exit 141 Widening NB and SB (Design Build, 2 projects) – Salem
- Exit 143 to Exit 150 Widening NB & SB – (Design Build) Construction Fall 2025 (Roanoke to Troutville)

- **Upcoming Projects:**

- Exit 128 to Exit 137 Widening NB & SB – Construction 2026 (Ironto to Salem)
- Mile Marker 116 to Exit 128 Widening NB – Constr. 2027 (Christiansburg to Ironto)
- Exit 94 SB Acceleration, Exit 105 NB Acceleration, Exit 162 NB Acceleration

# Capital Improvement Project Status – Staunton District

- **Completed Projects:**

- Exit 302 NB Accel, Exit 302 SB Decel, Exit 283 SB Accel
- Exit 269 NB Decel, Exit 279 SB Accel
- Exit 291 NB Accel, Exit 296 SB Accel, MM 304 Weigh Station NB Accel
- Exit 205 SB Accel, Exit 205 NB Accel (Raphine)
- Mile Marker 272.3 SB Curve Improvements

- **Projects Under Construction:**

- Exit 221 to Exit 220 SB Auxiliary Lane – (South of Staunton)
- Exit 221 to Exit 225 NB and SB Widening (Design-Build) – Staunton
- MM 299 to Exit 296 SB Widening – Advertised for construction July 9, 2024 (Strasburg)

# Capital Improvement Project Status – Staunton District

- **Upcoming Projects:**

- **Weyers Cave NB and SB Truck Climbing Lanes – Advertisement for construction August 2024**
- **Exit 242 to Exit 248 NB and SB Widening – Construction Fall 2025 (Harrisonburg)**
- **Exit 313 to Exit 317 NB and SB Widening – Construction 2028 (Winchester)**



# Operational Improvement Project Status

- **Completed Projects:**
  - Safety Service Patrol Enhancements
  - Lift and Tow Devices on SSP Vehicles
  - Towing and Recovery Incentive Program (TRIP)
  - Traffic Camera Installations (51)
  - Digital Message Sign Installations (31)
  - Arterial Intersection Improvements (3)
- **Projects Under Construction:**
  - Arterial Signal Improvements (Bristol, Salem, Staunton Districts)
- **Upcoming Projects:**
  - None

# Arterial Improvement Project Status









## Corridor-wide Arterial Improvements

- **Signal upgrades –**
  - Design and Construction underway while coordinating with localities for signal system integration into VDOT central signal system along the entire corridor.
  - Some VDOT owned signal upgrades complete. Construction ongoing for remaining VDOT and Locality signals, completion of entire system by 2025.
- **Parallel Route upgrades –**
  - Minor geometric improvement projects to facilitate access to and from I-81 during incidents – construction complete.

# Takeaway Scorecard

Operational  
Projects

Capital  
Projects

Projects	Status	Anticipated Completion
Improved Incident Clearance 	Complete	Spring 2021
Safety Service Patrol Expansion 	Complete	Summer 2019
Additional Cameras (51) 	Complete	Spring 2020
Additional Digital Message Signs (31) 	Complete	Fall 2021
Arterial Upgrades 	Underway	VDOT and Locality signals underway, All complete by 2025
Completed Projects (35) 	Complete	Spring 2022
Active Construction Projects (14) 	Underway	Varies
Remaining capital projects (16) 	Upcoming Projects	All complete by 2033

# Communications Status



CIP and Smart Scale



Work Zone Safety



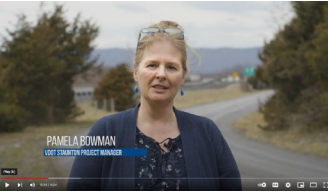
Staunton Area Widening



Design Build Projects



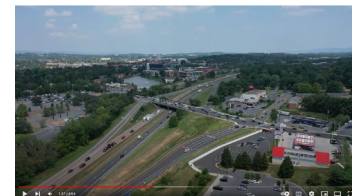
Safety Service Patrol



Strasburg Area Widening



Staunton Area  
Auxiliary Lane



Harrisonburg Widening



Exit 137 to Exit 141  
Widening



Arterial Improvements



Traffic Operations Center/  
Customer Service Center



Bristol District Truck  
Climbing Lanes

## Published to date

- 25 videos
- 27 podcasts
- 15 newsletters

Visit [improve81.org](https://improve81.org)  
for more information

# Program Website – Learn More!

[Improve81.org](http://Improve81.org)

