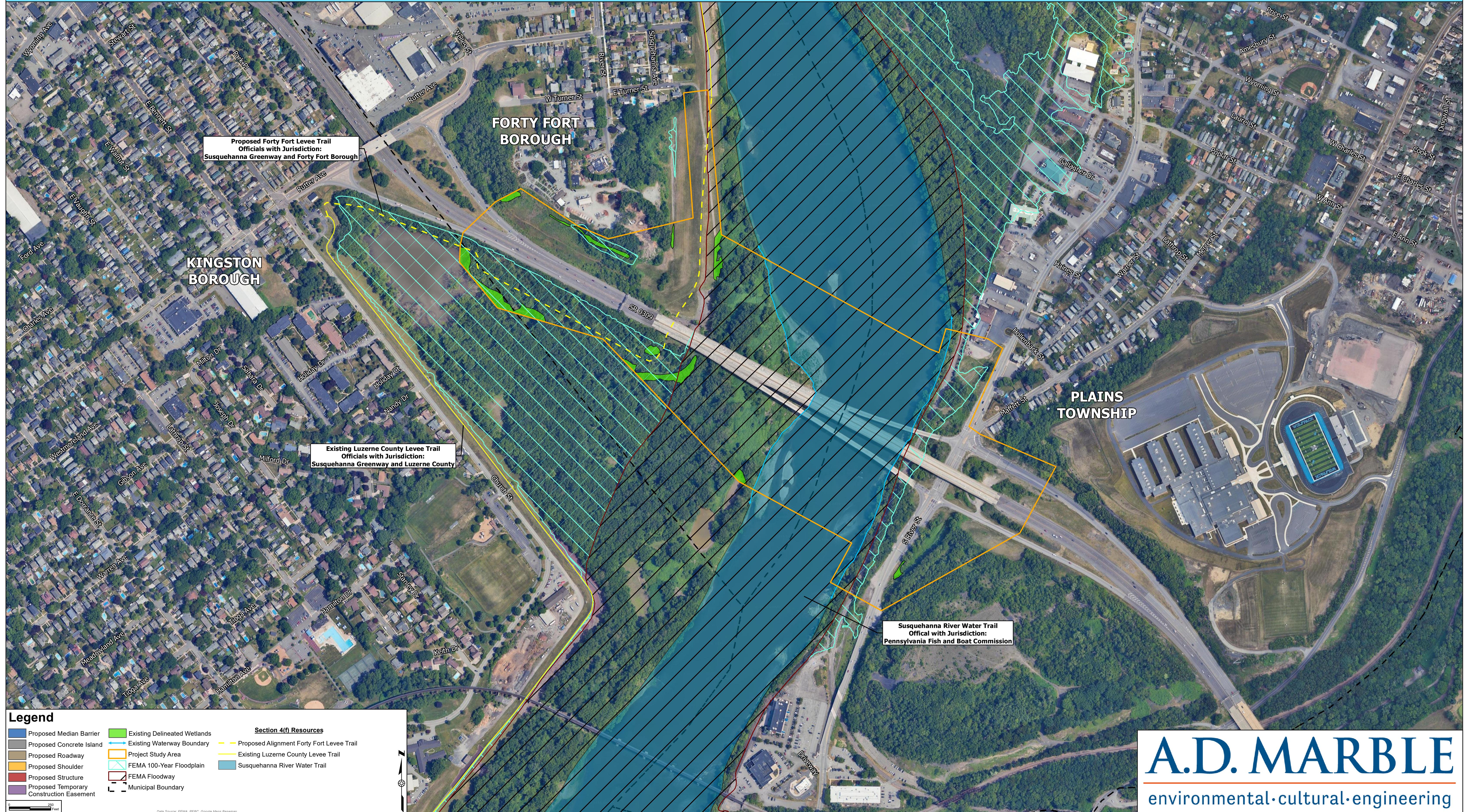


309

# Environmental Features

# SR 0309, Section 370

# Kingston Borough, Forty Foot Borough, and Plains Township, Luzerne County, Pennsylvania

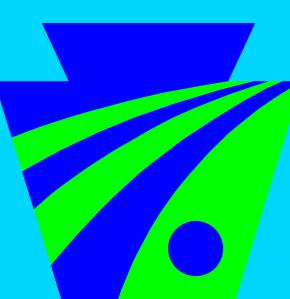


# A.D. MARBLE

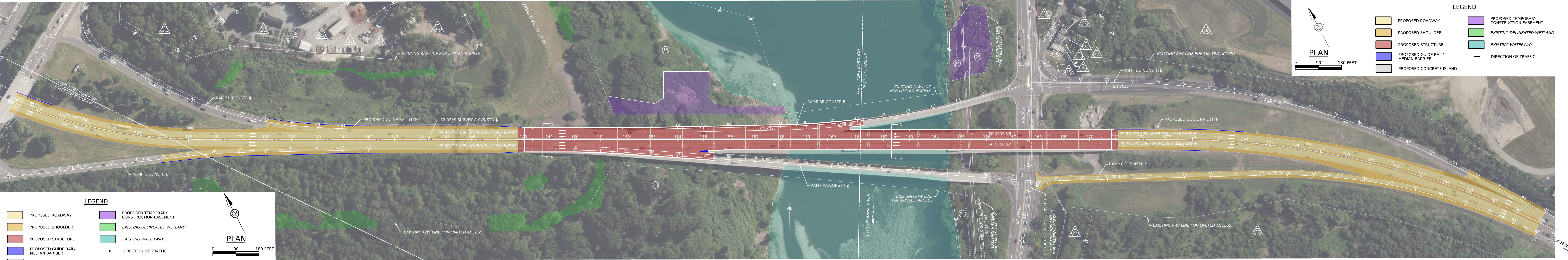
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309

## SR 0309, SECTION 370

KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIAPA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)

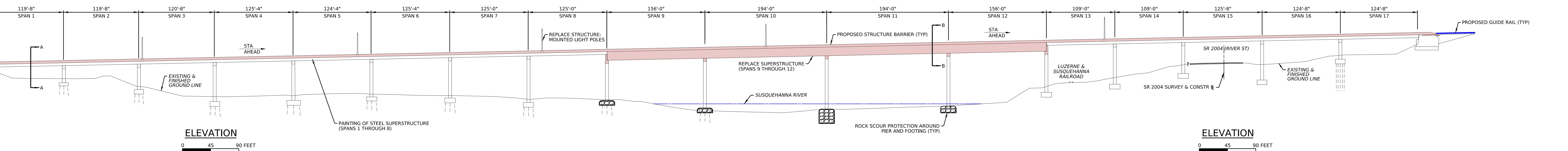
PRELIMINARY



## LIST OF PROPERTY OWNERS

(18) LUZERNE COUNTY FLOOD PROTECTION AUTHORITY	△ 27 LOREE ASSOCIATES
△ 19 WILKES-BARRE AREA SCHOOL DISTRICT	△ 28 JOSEPH ANTHONY LISPI
△ 20 WOMBLEY, LLC.	△ 29 JOSEPH ANTHONY & ALBERT J. LISPI
△ 21 FIRST ASSEMBLY OF GOD	△ 30 THOMAS J. & SHARON SEDEDA
△ 22 EDWARD S. & MARY LOU KOPEC	△ 31 PEARL WESTAWSKI
△ 23 SGARLAT MICHAEL JEAN	△ 32 ANTHONY RICHARD JAMES
△ 24 LUZERNE COUNTY REDEVELOPMENT AUTHORITY	△ 33 TOWNSHIP OF PLAINS
△ 25 GEORGE BLOM	

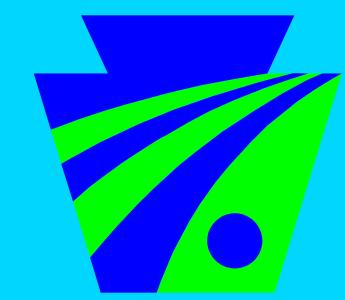
## OVERALL PROJECT DESIGN CONCEPT



# SR 0309, SECTION 370

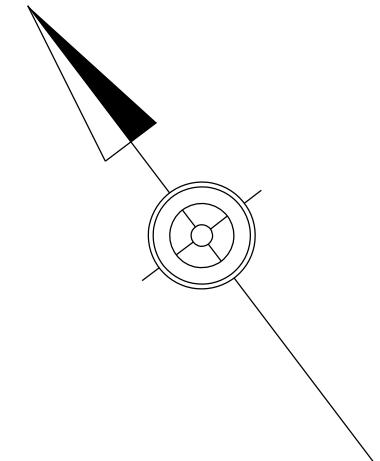
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PA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)



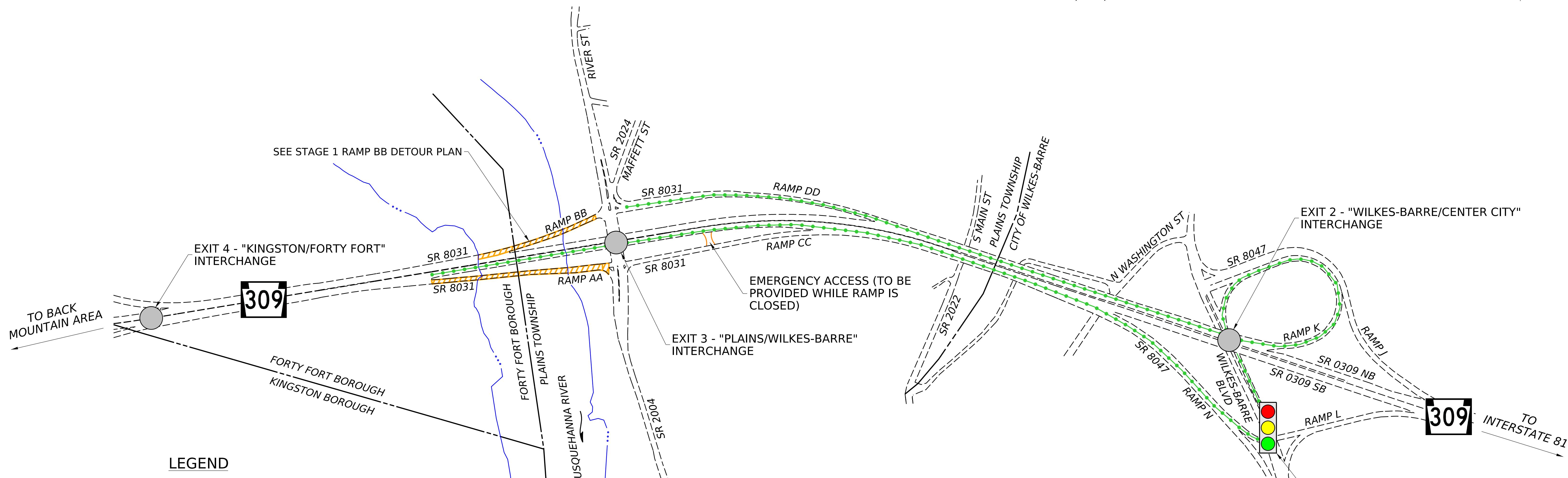
KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIA

PRELIMINARY



NOTES:

1. DETOUR TO BE IN PLACE FOR ONE (1) CONSTRUCTION SEASON (APPROXIMATELY MARCH THROUGH NOVEMBER).
2. DETOUR WILL BE REMOVED DURING THE WINTER SHUTDOWN (APPROXIMATELY NOVEMBER THROUGH MARCH).
3. EMERGENCY ACCESS TO BE PROVIDED ALONG SR 0309 SB WHILE RAMP IS CLOSED. THIS IS FOR LOCAL EMS/FIRE/POLICE USE ONLY.



## TEMPORARY TRAFFIC CONTROL PLAN

### RAMP AA DETOUR

SR 0309 SB OFF RAMP TO RIVER ST

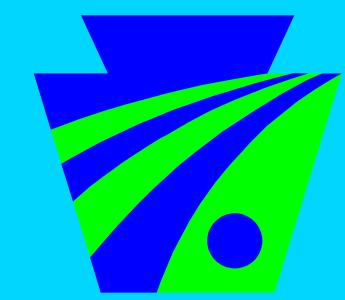
STAGE 2

0 300 600 FEET

# SR 0309, SECTION 370

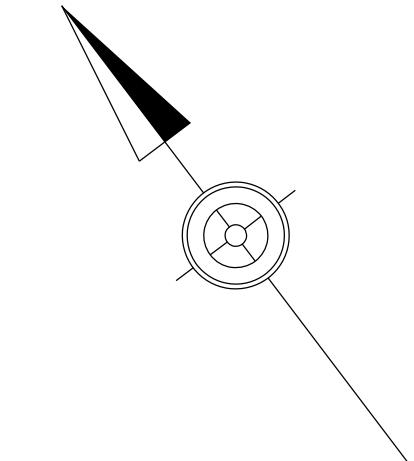
309

PA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)



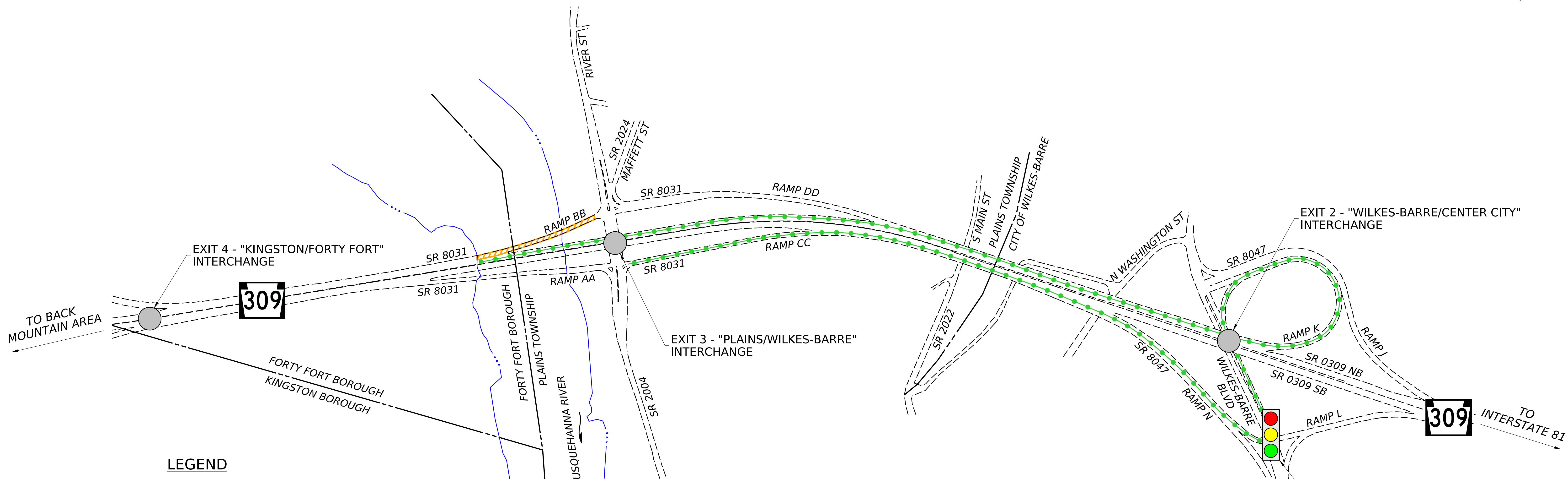
KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIA

PRELIMINARY



NOTES:

1. DETOUR TO BE IN PLACE FOR TWO (2) CONSTRUCTION SEASONS (APPROXIMATELY MARCH THROUGH NOVEMBER).
2. DETOUR WILL BE REMOVED DURING THE WINTER SHUTDOWN (APPROXIMATELY NOVEMBER THROUGH MARCH).



LEGEND

- RAMP CLOSURE
- DETOUR (2.4 MILES)
- ROAD EDGE
- MUNICIPAL BOUNDARY
- STREAM
- INTERCHANGE AREA

## TEMPORARY TRAFFIC CONTROL PLAN RAMP BB DETOUR SR 0309 NB ON RAMP FROM RIVER ST STAGE 1 & 2

0 300 600 FEET

# SR 0309, SECTION 370

309

PA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)



KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIA

## PRELIMINARY

### TEMPORARY MOVEABLE BARRIER SYSTEM

- QUICKLY ADJUSTS LANE CONFIGURATION WITHOUT INTERRUPTING TRAFFIC FLOW (IN APPROXIMATELY 10-15 MINUTES)
- EXPEDITES CONSTRUCTION WORK AND SIGNIFICANTLY REDUCES PROJECT DURATION
- TO BE IN PLACE ALONG SR 0309 FOR MAJOR BRIDGE CONSTRUCTION ACTIVITIES (STAGE 1 AND STAGE 2)

#### "AM PEAK" CONFIGURATION (FROM 5:00 AM TO 1:00 PM)

- SHIFT BARRIER DAILY AT APPROXIMATELY 5:00 AM
- TWO (2) LANES FOR SR 0309 SB (TO I-81)
- ONE (1) LANE FOR SR 0309 NB (TO BACK MOUNTAIN)

#### "PM PEAK" CONFIGURATION (FROM 1:00 PM TO 5:00 AM)

- SHIFT BARRIER DAILY AT APPROXIMATELY 1:00 PM
- ONE (1) LANE FOR SR 0309 SB (TO I-81)
- TWO (2) LANES FOR SR 0309 NB (TO BACK MOUNTAIN)
- TEMPORARY MOVEABLE BARRIER SYSTEM WILL BE REMOVED DURING THE WINTER SHUTDOWN (APPROXIMATELY NOVEMBER TO MARCH)



TEMPORARY MOVEABLE BARRIER SYSTEM BEING UTILIZED IN PENNSYLVANIA  
PENNDOT DISTRICT 3-0 - SR 0220, SECTION 193 - WOODWARD TWP - LYCOMING COUNTY



TEMPORARY MOVEABLE BARRIER SYSTEM BEING UTILIZED IN PENNSYLVANIA  
PENNDOT DISTRICT 3-0 - SR 0220, SECTION 193 - WOODWARD TWP - LYCOMING COUNTY

# SR 0309, SECTION 370

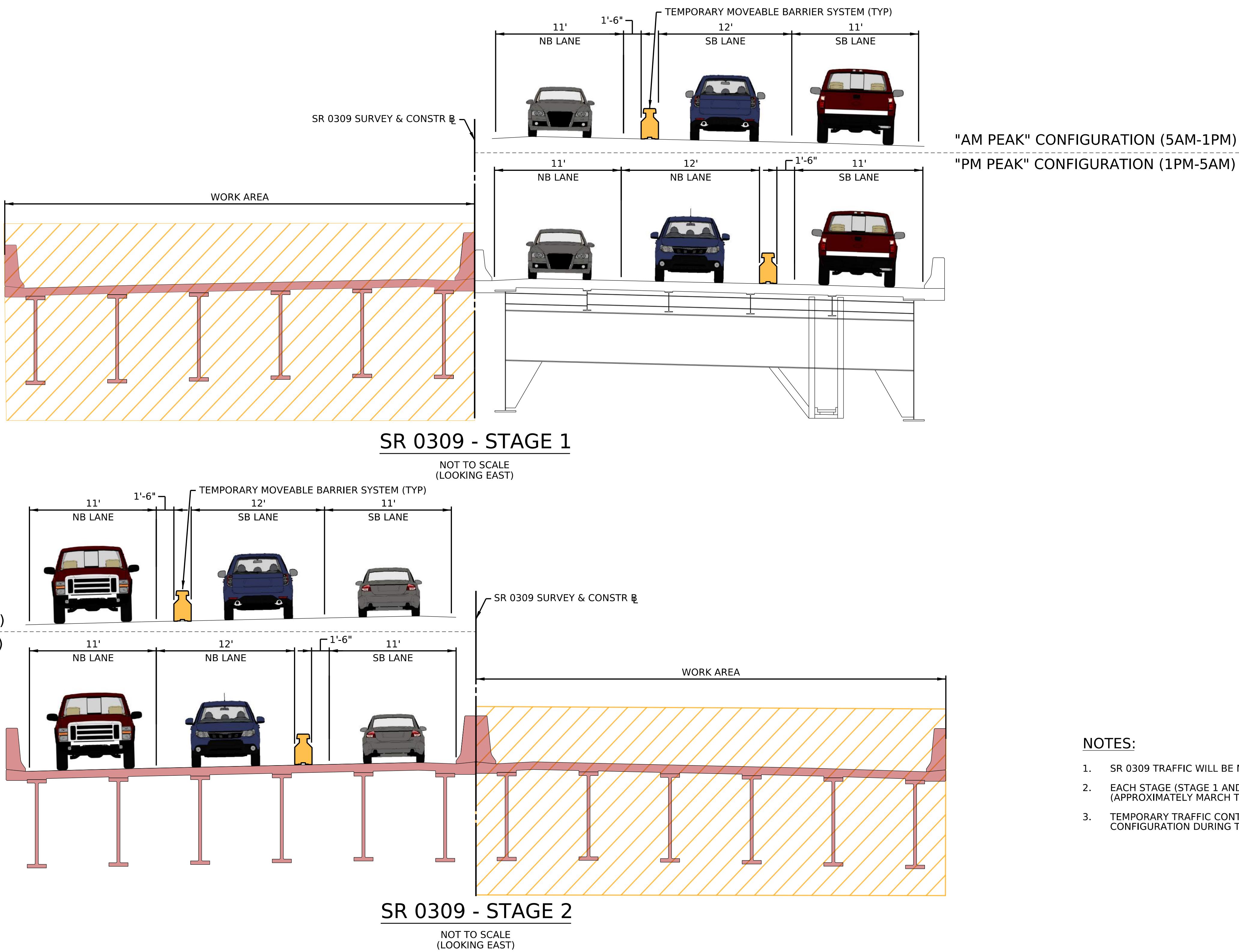
309

PA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)



KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIA

## PRELIMINARY



### NOTES:

1. SR 0309 TRAFFIC WILL BE MAINTAINED AT ALL TIMES (NO DETOURS).
2. EACH STAGE (STAGE 1 AND STAGE 2) WILL BE IN PLACE FOR ONE (1) CONSTRUCTION SEASON EACH (APPROXIMATELY MARCH THROUGH NOVEMBER).
3. TEMPORARY TRAFFIC CONTROL WILL BE REMOVED AND TRAFFIC WILL BE RESTORED TO EXISTING CONFIGURATION DURING THE WINTER SHUTDOWN (APPROXIMATELY NOVEMBER THROUGH MARCH).

309

## SR 0309, SECTION 370

KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIAPA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)

PRELIMINARY

**LEGEND**

- TEMPORARY ACCESS/HAUL ROAD - ENTIRE PROJECT
- TEMPORARY CAUSEWAY - STAGE 1
- TEMPORARY CAUSEWAY - STAGE 2
- TEMPORARY CAUSEWAY - STAGE 1 & 2

0 50 100 FEET



PRELIMINARY

**LEGEND**

- TEMPORARY ACCESS/HAUL ROAD - ENTIRE PROJECT
- TEMPORARY CAUSEWAY - STAGE 1
- TEMPORARY CAUSEWAY - STAGE 2
- TEMPORARY CAUSEWAY - STAGE 1 & 2

**Pennoni Associates**

**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY ACCESS / HAUL ROADS / CAUSEWAYS  
FOR BRIDGE CONSTRUCTION**

# SR 0309, SECTION 370

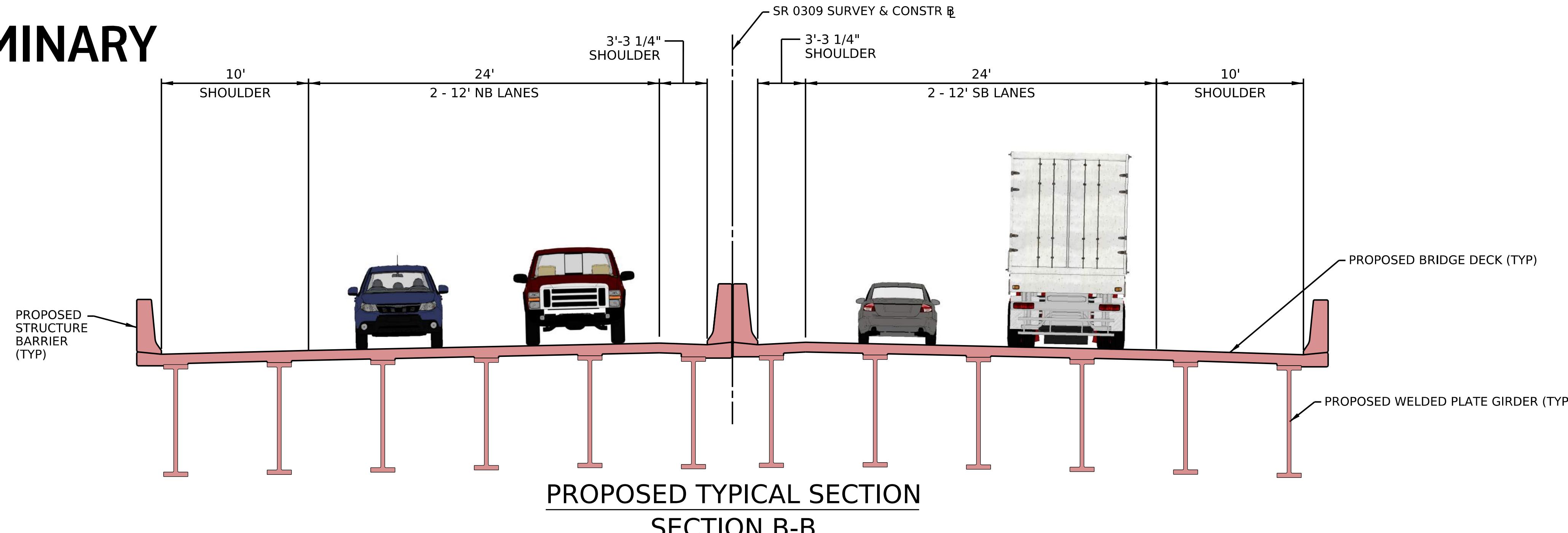
309

PA ROUTE 309 / N CROSS VALLEY EXPWY  
OVER THE SUSQUEHANNA RIVER, LUZERNE & SUSQUEHANNA RAILROAD, AND SR 2004 (RIVER ST)



KINGSTON BOROUGH, FORTY FORT BOROUGH, AND PLAINS TOWNSHIP  
LUZERNE COUNTY, PENNSYLVANIA

## PRELIMINARY



### SCOPE OF WORK (BRIDGE CONSTRUCTION)

- REMOVE EXISTING DECK, BARRIERS, LIGHT POLES, AND SIGNS.
- REMOVE GIRDER/FLOORBEAM SYSTEM (SPANS 9-12) AND REPLACE WITH STEEL MULTI-GIRDER SYSTEM.
- JACK GIRDERS AT PIERS 1-3, 5-6, 8-14, 16, AND ABUTMENT 2.
- REMOVE EXISTING ROCKER BEARINGS, CONSTRUCT NEW CONCRETE PEDESTALS, AND INSTALL NEW LAMINATED NEOPRENE PADS OR POT BEARINGS.
- APPLY PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (EPOXY RESIN) TO PIERS.
- SET UP CONTAINMENT SYSTEM, PREP GIRDERS FOR BLASTING, AND BLAST AND PAINT ALL STRUCTURAL STEEL MEMBERS AND COMPONENTS IN SPANS 1-8. PRIME THE TOP FLANGES IN SPANS 13-17.
- LUBRICATE CLEAN AND PAINT EXISTING FIXED BEARINGS.
- CONSTRUCT NEW DECK, BARRIERS, AND APPROACH SLABS.
- INSTALL NEW HIGHWAY LIGHTING POLES.
- INSTALL UNDER-BRIDGE LIGHTING AND STRUCTURE MOUNTED SIGNS OVER SR 2004 (RIVER ST).
- APPLY PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (PENETRATING SEALERS, BRIDGE SUPERSTRUCTURE).
- PERFORM SUBSTRUCTURE REPAIRS.
- PLACE ROCK SCOUR PROTECTION ALONG PIERS WITH EXPOSED FOOTINGS.

