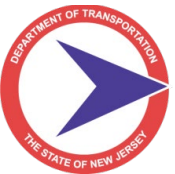




Route 202/206 and Route 22 Interchange (Peters Brook to Commons Way) Concept Development

Local Officials Meeting

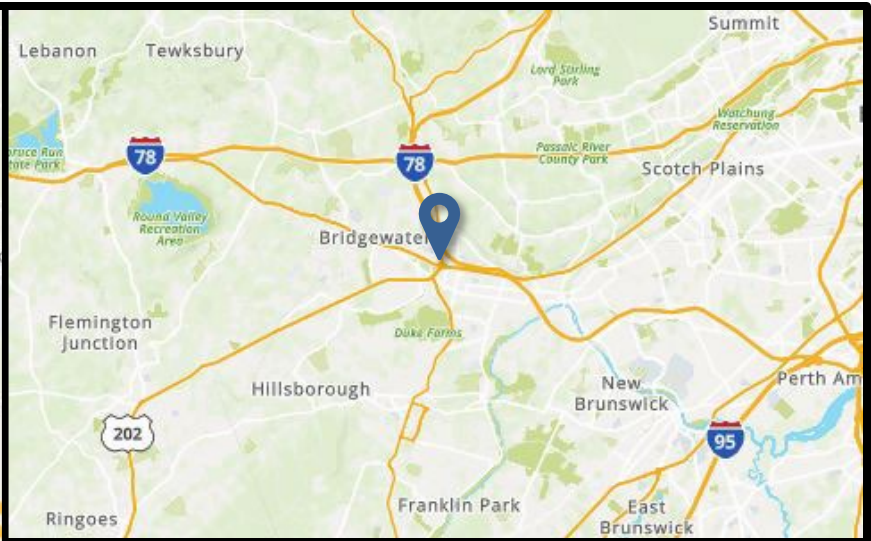
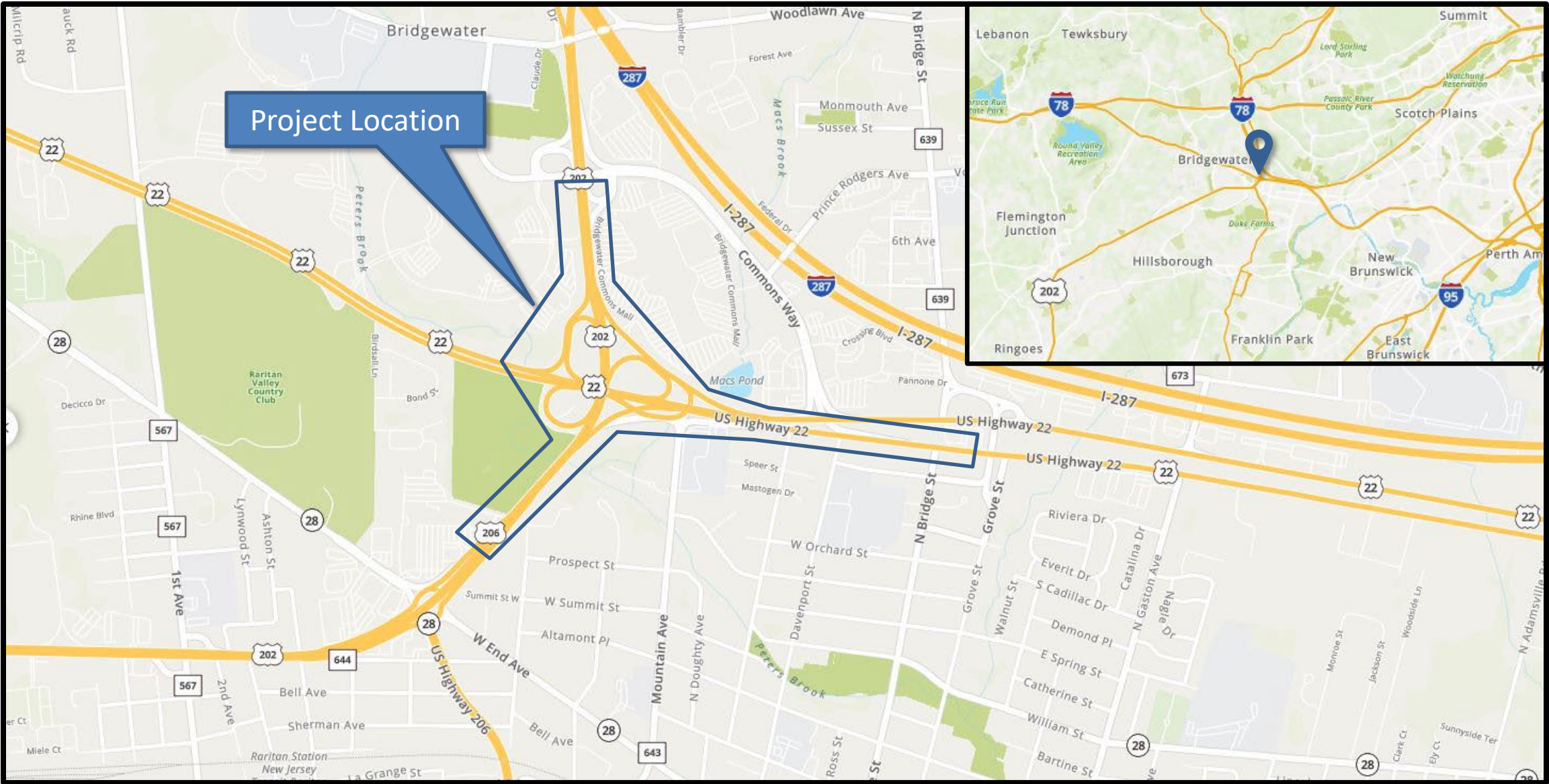
March 31, 2025 | 3:00 pm



GPI

Engineering | Design | Planning | Construction Management

Project Location



Purpose and Need

Improve Safety and Reduce Congestion at Rt 202/206 and Rt 22 Interchange



Safety Scores (2014 – 2016)

Route	MP	Score	Crash Rate
Rt 22	33.71-34.40	10	3.3x higher than statewide
Rt 202	24.86-25.38	4	1.6x higher than statewide



Congestion Management Scores

Route	MP	Link	Score
Rt 202	24.80-25.03	5260	10 (High) Top 2 Percentile
Rt 202	25.03-25.50	5262	8.92 (High) Top 2 Percentile

- Minimize impacts to environment, access, ROW and utilities

Crash Data / Analysis (2014 - 2016)

Segment	Total Crashes	Actual Crash Rate	2016 Statewide Crash Rate	Safety Score
Route 22 MP 33.71-34.40	299	6.34	1.91	10/10
Route 202 MP 24.86-25.38	127	3.04	1.91	4/10

Overrepresentations

- Rear End
- Sideswipe
- Fixed Object
- Between Intersections
- Wet/Snow/Ice
- Day



Traffic Data / Analysis

- **Data Collection**
 - Automatic Traffic Recorders (ATRs)
 - Origin and Destination Count (SkyComp)
- **Data Collection**
 - Origin and Destination Count (*Streetlight*)
- **Traffic Analysis**
 - HCS
 - VISSIM/Model Calibration
 - Level of Service and Delay
 - Travel Times – more direct comparison



Environmental Screening

Freshwater Wetlands and Riparian

Zone: Macs Brook, Peters Brook, & Peters Brook Tributary (all FW2-NT)

Federally Threatened and Endangered

Species: Indiana Bat and Northern Long-eared Bat

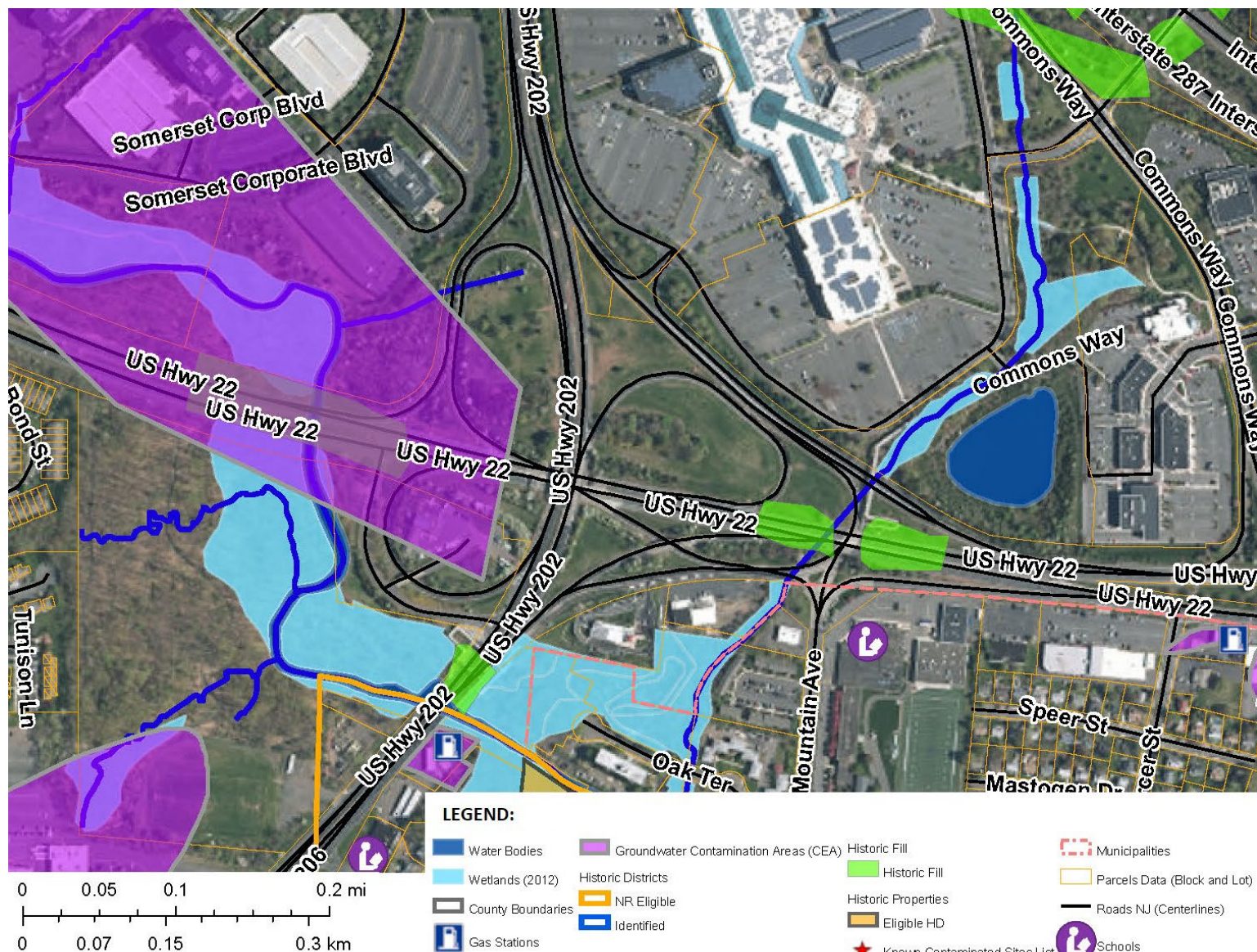
State Threatened and Endangered

Species: Bald Eagle

Cultural Resources: Somerville Historic District

Green Acres Encumbered Park: Clarks Woods

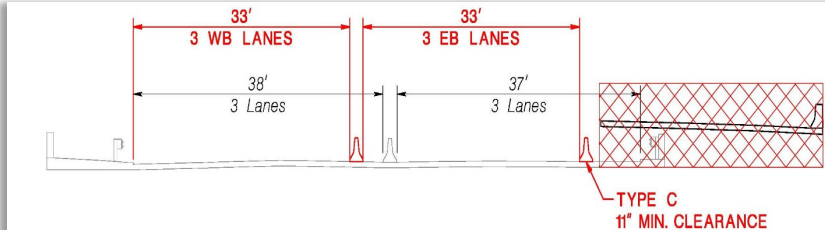
Hazardous Waste: Existing gas stations, several NJDEP enforcement case sites, and historical fill



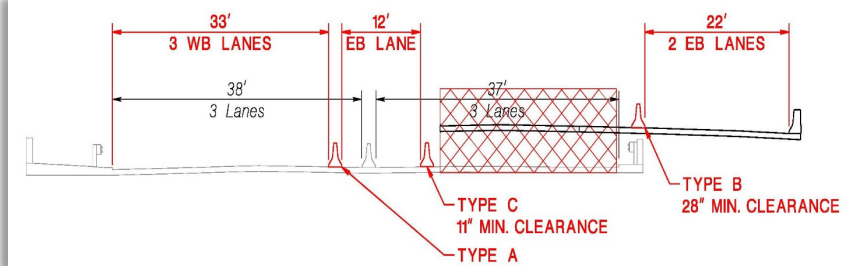
Constructability - Staging

- **Construction in six (6) main stages**
 - Pre-stage: remove existing features as needed; construct temporary pavement for lane shifts
 - 1. Construct Rt 22 EB bridge south side; construct Rt 202/206 SB bridge east section ; construct 3rd EB lane
 - 2. Construct Rt 22 EB bridge north side; construct Rt 202/206 SB bridge center section
 - 3. Construct Rt 22 WB bridge south side; construct Rt 202/206 bridge west section; construct SB barrier against SUP and NB 3rd lane; construct Ramp E realignment
 - 4. Construct Rt 22 WB bridge north side; construct Rt 202/206 3rd SB lane, median barrier; widen Rt 22 WB for C-D road; construct Ramp G realignment
 - 5. Construct Rt 22 median barrier, remove old ramp alignments
 - 6. Construct Rt 22 WB C-D median barrier, final paving and striping
- **Assumed long term detours are not permissible**
- **Short term/off-peak detours permitted for:**
 - Ramps
 - Barrier and islands
 - Final paving and striping operations

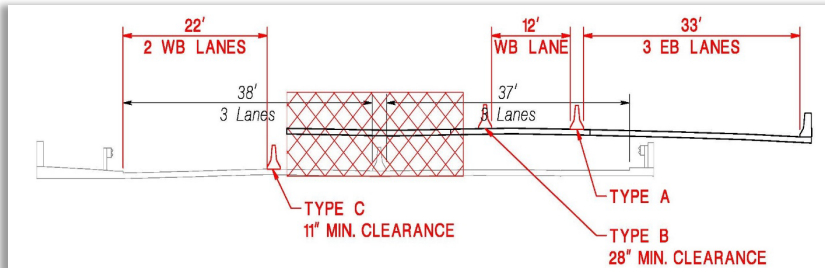
Route 22 Bridge Replacement



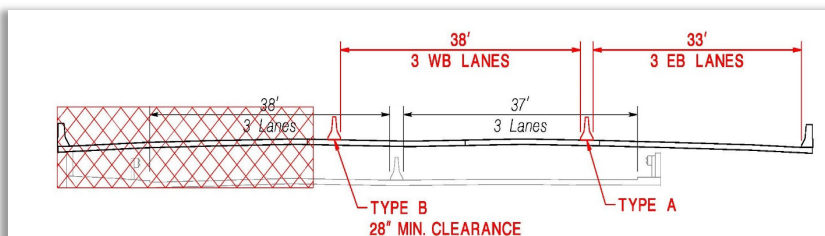
Stage 1



Stage 2



Stage 3



Stage 4



Constructability - Staging

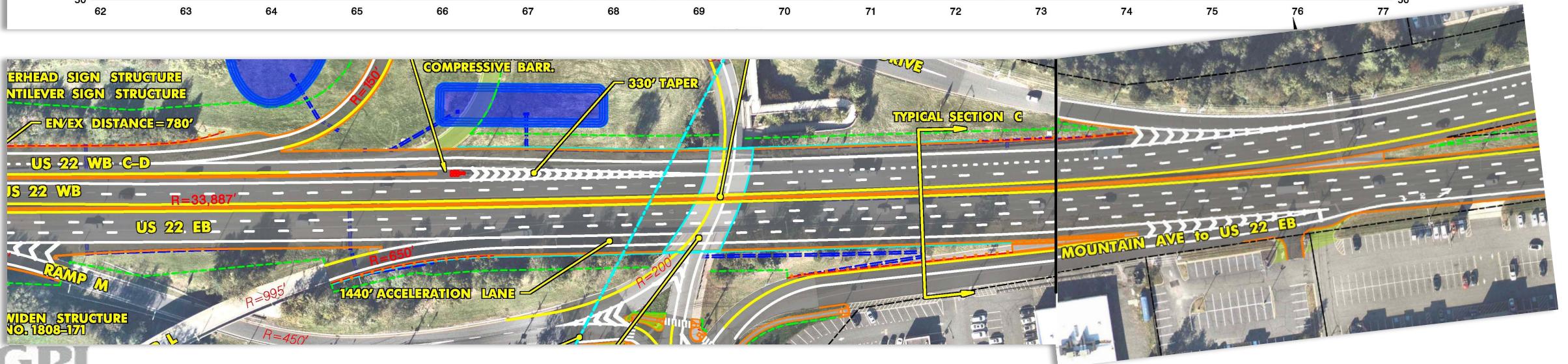
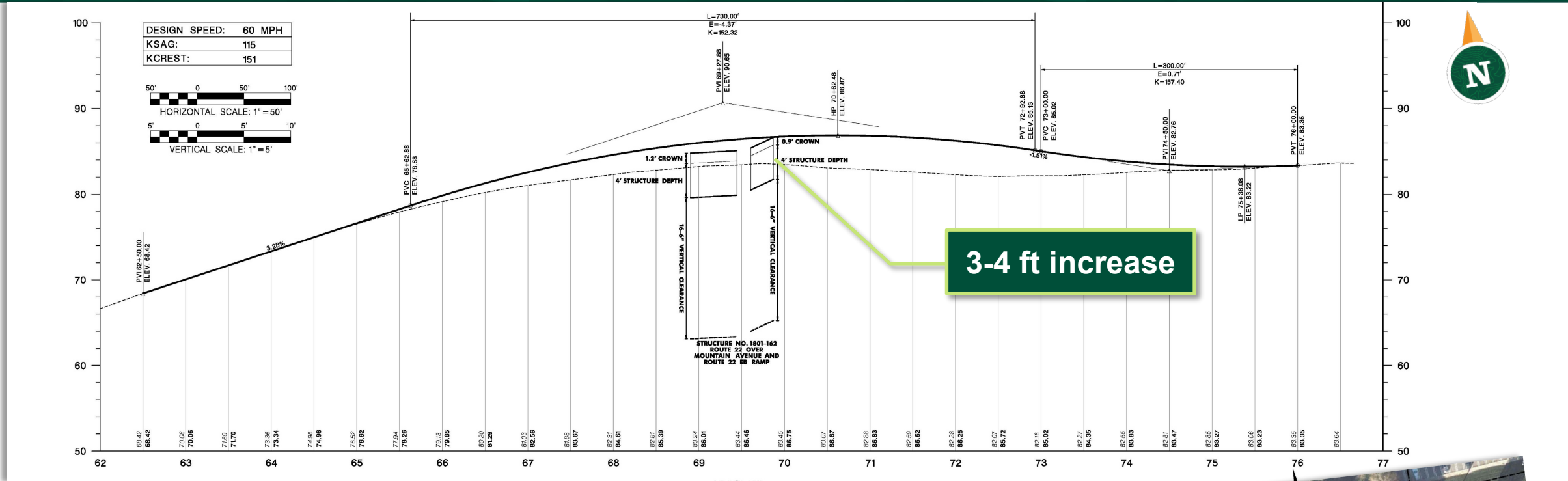
Pre-stage	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Remove existing features as needed; construct temporary pavement for lane shifts	Construct Rt 22 EB bridge south side; construct Rt 202/206 SB bridge east section ; construct 3 rd EB lane	Construct Rt 22 EB bridge north side; construct Rt 202/206 SB bridge center section	Construct Rt 22 WB bridge south side; construct Rt 202/206 bridge west section; construct SB barrier against SUP and NB 3 rd lane; construct Ramp E realignment	Construct Rt 22 WB bridge north side; construct Rt 202/206 3 rd SB lane, median barrier; widen Rt 22 WB for C-D road; construct Ramp G realignment	Construct Rt 22 median barrier, remove old ramp alignments	Construct Rt 22 WB C-D median barrier, final paving and striping



Constructability - Staging

- **Utility poles in 202/206 median and along 202/206 SB**
- **Water main on 202/206 SB structure**
- **Majority of work within State ROW, construction easements will be required**
- **Driveway modifications along Rt 22 EB and ramp from Mountain Avenue**
- **Possible floodplain impacts**
- **Stormwater management**
- **Less turbulence / reduction in crashes along Rt 22 WB**
- **Improved Rt 22 travel time**
- **Improved Rt 202/206 travel time**

PPA - Profile



Present PPA plan in PDF format – too large for PowerPoint



Questions/Comments
THANK YOU!