Utility Impact Summary

Alternative A-1

SUMMARY

This alternative includes construction of an elevated structure that would route two lanes of 250 east and west bound traffic over the intersections of US 250/20 and US 250 and High Street. The existing intersections and bridge will remain below the flyover structure. The alternative would also include intersection improvements at both US 250/20 and US 250/High Street to increase throughput and allow for smoother turning movements. This alternative should also explore providing access management/turn lanes near the intersection.

- The express lanes will be on an elevated structure above the median. Any aerial crossings over Route 250 within 40 vertical feet of the existing road will be in conflict
- Some areas will impact the utilities parallel to Route 250 in areas where there is not room in the median for piers to support the elevated structure
- In those locations, a support structure that spans the entire width of Route 250 with piers along the outside edge will be required (generally between High Street and Route 20)

ELECTRIC

- Electric facilities consist mainly of single and dual three-phase circuits throughout the length of the project on both sides of US 250
- All poles at the intersections of US 250 and St. Clair Avenue, and US 250 and Landonia Circle are not in conflict because the improvements do not call for widening outside of the existing roadway
- All poles at the US 250 and East High Street/River Road, US 250 and Free Bridge Lane/New House Drive, US 250 and Stony Point Road/Riverbend Drive, and US 250 and People Place intersections will be in conflict with the project due to their proximity to the road and the proposed project
- There is evidence of underground electric facilities throughout the length of the project
- Utilities will be in conflict with the proposed bridge pier foundations
- Transmissions lines also exist at the intersection of US 250 and Stoney Point Road crossing US 250 running north and south
- The transmissions line will be impacted due to clearances over the proposed elevated structure
- Clearances from overhead bridge structures will cause the conflicts
- Assumed footages and units are reflected in the PCES
TELECOMMUNICATIONS

- Major Telephone and CATV facilities exist on the electric pole line along the project on both sides of US 250
- Clearances from overhead bridge structures will cause the conflicts
- Major facilities exist underground throughout the entire project along both sides of US 250
- Other fiber companies exist within the project limits but could not be confirmed
- Facilities will be in conflict due to the proposed bridge pier foundations
- All facilities at the intersections of US 250 and St. Clair, US 250 and Landonia Circle, US 250 and East High Street/River Road, US 250 and Free Bridge Lane/New House Drive, US 250 and Stoney Point Road/Riverbend Drive, and US 250 and People Place are assumed to be in conflict with the project due to their proximity to US 250 and proposed bridge pier foundations
- Assumed footages and units are reflected in the PCES

WATER

- Evidence of existing water lines exist throughout the entirety of the project along the north edge of US 250 (from Landonia Circle east to Town and Country Lane)
- Water lines will be impacted and in conflict with proposed project due to their proximity to the proposed bridge pier foundations
- Assumed footages and units are reflected in the PCES

SEWER

- Evidence of existing sewer line exists running along the west edge of the Rivanna River and will be impacted due to its proximity to the proposed bridge pier foundations
- Assumed footages and units are reflected in the PCES

GAS

- Evidence of existing gas lines exist throughout the entirety of the project along the north edge of US 250 (from Landonia Circle east to Town and Country Lane)
- Gas lines will be impacted and in conflict with proposed project due to their proximity to the proposed bridge pier foundations
- Assumed footages and units are reflected in the PCES

PETROLEUM

- No evidence of petroleum lines that will be impacted along the extents of the proposed project limits
- Assumed no conflict
[ALTERNATIVE “A-1”] Intersection of US 250 and River Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted (viewing East)
[ALTERNATIVE “A-1”] Intersection of East High Street and US 250. Dual 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the western edge of East High Street to be impacted (viewing South West)
[ALTERNATIVE “A-1”] Intersection of East High Street and US 250. 3 Phase Electric Poles with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted (viewing North East)
Underneath the existing US 250 bridge at the intersection of East High Street and US 250. Sanitary Sewer to be impacted.
[ALTERNATIVE “A-1”] Intersection of US 250 and St. Clair Avenue. 3 Phase Electric Pole with telecommunications attachment and crossings along the northern edge of US 250. Not to be impacted (viewing South East)
[ALTERNATIVE “A-1”] Intersection of US 250 and Landonia Circle. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250. Not to be impacted (viewing South East)
[ALTERNATIVE “A-1”] Intersection of Free Bridge Lane and US 250. Telecommunications cott markers locating existing buried handhole and/or splicing location of underground telecommunication. Facilities to be impacted (viewing West)
[ALTERNATIVE “A-1”] Intersection of US 250 and Free Bridge Lane. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250. Aerial and underground utilities to be impacted (viewing North West)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted. (viewing North East)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing South)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing North East)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing East)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Paint marking indicate existing water line running underneath the existing sidewalk along the northern edge of US 250. Telecommunications handhole at the base of existing pole. Underground utilities and telecommunications facilities to be impacted (viewing North West)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Electric Transmission line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing West)
[ALTERNATIVE “A-1”] Just east of the intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along US 250 to be impacted. Electric Transmission Tower and line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing East)
[ALTERNATIVE “A-1”] Intersection of US 250 and Stoney Point Road. Electric Transmission Towers and line crossing US 250 to be impacted. Underground utilities and telecommunications facilities to be impacted (viewing South East)
[ALTERNATIVE “A-1”] Exxon near the intersection of US 250 and Stoney Point Road. 3 Phase Electric Pole with multiple telecommunications attachments and crossings along the northern edge of US 250 to be impacted. Paint markings indicate existing electric (in red) telecommunications (in orange) and water (in blue) existing within the project limits. Underground utilities and telecommunications facilities to be impacted (viewing West)