

**Replacement of County Bridge No. M1019
Somerset Street over Crab Brook
Borough of North Plainfield, Somerset County**

Project Fact Sheet

Existing Condition: single-span multi-stringer encased in concrete slab with bituminous overlay supported on concrete/stone masonry abutments

Roadway Width: 40' (curb to curb)

Out-to-out: 64'

Max Span: 15'

- Overall condition is Fair due to condition of the superstructure and the substructure.
- Superstructure and Deck - Fair condition due fine longitudinal crack with efflorescence and stalactites. Steel stringers exhibit severe corrosion with up to 100% section loss at the sidewalk.
- Substructure - Fair condition due to missing stone at stone abutment and large spalls below utility conduits at both abutments. Exposure of abutment footings.

Built: Unknown

Proposed: single span, pre-cast concrete rigid frame and cast-in-place culvert to accommodate existing utilities

Total Length of Project = 75'

Bridge Span = 15'

Bridge Width: Out-to-out = 58' (limits of replacement)
curb to curb = 40'-10" (sidewalk on both sides)

NJDEP Permit Restrictions: Stream (general fishery) – 5/1 to 7/31
Permit expires 9/24/2024 (FHA) and 1/2/2025 (FWW)

Traffic Count: ADT = 13,583 (2014) – 25 MPH

Detour Plan: Signed off by Borough of North Plainfield 7/2019

Utilities: water main relocation, replace Verizon conduits with new conduits, temporary support for existing Verizon conduits, utility pole to remain and protected during excavation

ROW/Easement: TCE's

Project Schedule: Bid March 2023, begin construction with road closure begins September 2023. Anticipated total 6 months for construction.

Engineers Estimate: \$ 630,000.00

Funding: County funded