Brandon U.S. 7 Segment 6 Construction Administration
Brandon, Vermont

Historic Arch Bridge 114 Rehabilitation. While it was a separate project, the consultant performed concurrent construction administration for Bridge 114 to reestablish its structural integrity and upgrade its sidewalks and aesthetics to complement the Segment 6 project. The resident engineer on Bridge 114 also attended Segment 6 biweekly meetings to assure integration of all construction.

Peak Construction. The consultant’s team comprised six construction inspectors providing simultaneous full-time construction observation, a resident engineer, an office engineer, a project manager, and additional office support. Night construction observation was included.

Responsibilities. The consultant streamlined the collection of field data, daily field reports, and biweekly pay requisitions using Submittal Exchange software and GPS survey to compile data and assist with report generation. The consultant coordinated and monitored up to six separate construction packages and provided daily progress reports to the Town and VTrans.

CONSTRUCTED ITEMS OBSERVED BY CONSULTANT STAFF:
- Bituminous Pavement: 17,789 Tons
- Concrete Sidewalk: 8,937 SY
- Water Main: 9,870 LF
- Sanitary Sewer Main: 7,570 LF
- Stormwater Sewer Main: 11,440 LF
- Lights: 73 each
- Conduit: 10,200 LF
- Encased Ductbank: 2,000 LF
- Trees: 269 each
- Shrub: 103
- Perennials: 1,215
- Brick Pavers: 1,491 SY
- Petroleum Contaminated Soils: 834 CY
- Traffic Signals: 2 each
- Subsurface Storm & Sand Filters: 4 each
- Retaining Walls: 4 each

ROADWAY LENGTH (U.S. ROUTE 7 & APPROACHES): 9,550 LF

Key:
- Traffic Signal
- Stormwater Sandfilter
- Gazebo
- Fountain
- Textured Pavement
- Crosswalks
- Modular Block Retaining Wall with Gravity Slab Top
- Replacement of Roof Slab over Neshobe River
- Stone Retaining Wall

American Council of Engineering Companies Vermont Section 2021 Engineering Excellence Awards Entry Category E: Special Projects