

## Creamery Road

**Location:** Emmitsburg, Maryland



### Project Description:

- Fox & Associates, Inc. prepared complete contract documents ready for advertisement for the reconstruction of Creamery Road in the corporate limits of Emmitsburg, Maryland in Frederick County.
- The project limits extended from Maryland Route 140, (East Main Street), to U.S. Route 15, a distance of approximately 2,700 feet. Existing Creamery Road was, generally, two lanes with no shoulder. The northern end of the roadway principally serves an elementary school, small factory and several residences. Creamery Road is classified as a collector road on the Frederick County Comprehensive Plan a Traffic projection of 200 vehicles per day with ten percent trucks was used to design the pavement section.
- The proposed improvement to Creamery Road consisted of removing the existing pavement, widening the roadway to 24 feet and the relocation of approximately 1,000 feet of roadway in order to improve the operating characteristics of the facility. Relocation of the roadway required the construction of multiple large corrugated metal pipe arch structures at each of two locations. In addition, this realignment resulted in localized cuts of as much as eight (8) feet in height and fills of three (3) feet or more.

**Site Considerations:**

- The desire of the Town of Emmitsburg to reconstruct Creamery Road from East Main Street to U.S. Route 15, resulted in the preparation of complete contract documents, ready for advertisement, including plans, specifications and estimates. The most difficult design challenge of this project was to construct multiple corrugated metal pipe arch structure at each of two locations.
- The first location was Limit Creek a tributary of Flat Run, and the second location was a tributary of Limit Creek. In both cases, since these were flowing streams, temporary diversion channels were created using sandbag diversions and dewatering basins so that the new culverts could be constructed "in the dry". With three culverts at Limit Creek, the middle culvert was constructed at an elevation one foot lower than the outer culverts to allow siltation for improved fish passage. Maryland Department of Environment and U.S. Corps of Engineer permits were obtained for all stream and floodplain construction.

**Participants / Reference:**

Town of Emmitsburg  
David Haller, Town Manager  
240-629-6300

