**BRIDGE X**

**ROUTE: S-46-103**

**CROSSING: FISHING CREEK**

**COUNTY: YORK**

**STRUCTURE NUMBER: 4670010300100**

* 1. **ROADWAY**

**Minimum Approach Length From**

**Beginning of Existing Bridge**: 000 feet

**End of Existing Bridge**: 000 feet

**Design Speed**: 00 mph

**Functional Classification**: XXXXX

**Typical Section**

Roadway Approaches will consist of 2 – 11’-0” Lanes with 6’-0” Shoulders (2’-0” Paved Shoulders and 4’-0” Grassed Shoulders)

**Maintenance of Traffic**

The bridge can be closed and traffic can be detoured during construction.

For recommended detour route, see Detour Route Map provided in this criteria. If the Contractor elects to use an alternate detour route, then he shall obtain approval from the District 4 Traffic Engineer prior to using the alternate route.

**Pavement Design**

New Construction

Surface – 000 psy HMA Surface Type C

Intermediate – 000 psy HMA Intermediate Type C

Base - 000 psy HMA Base Type B

Existing Pavement

Overlay –000 psy HMA Surface Type C

* 1. **HYDROLOGY**

The project site is located in a FEMA Special Flood Hazard Area Zone X.

1. **STRUCTURE**

**Bridge Design Criteria**

**Superstructure Types Allowed**: Prestressed Concrete Girders

Structural Steel Rolled W Beams

Structural Steel Welded Plate Girders

\*Reinforced Concrete Flat Slabs

\* Not allowed for use over channel.

**Minimum Outside Deck Width**:

The minimum outside deck width shall be 37’-3” (Includes 34’-0” Clear Roadway Width, Two -- 1’-6” Barrier Parapets, and Two -- 1 ½” Slab Extensions for Slip Forming Barriers).

**Bridge Skew**: To be determined by hydraulic design.

**Miscellaneous Requirements**

None

**Seismic Design Criteria**

Use SC Seismic Hazard Map Three-Point ADRS Curves provided in this criteria.

**General Bridge Layout Requirements**

In order to minimize wetlands impacts, the new bridge will be realigned to the upstream side of the existing bridge.

The Contractor shall follow the minimum bridge length and span layout requirements as shown in Preliminary Bridge Layout sketch.

Note: Minimum length of bridge shall be 400’-0” and minimum length of span over channel shall be 60’-0”.