The proposed project will line the inverts of the following existing culverts. The project is necessary to address deterioration of the culverts and extend their lifespan.

At all locations, temporary fill will be necessary to access the culvert locations, in the form of a workpad or coffer dam is anticipated.

The project will be constructed with federal and state System Preservation funds. Environmental clearance is scheduled for 06-30-2013. The project is currently expected to award in September 2014.

**CHP-US 36-21.57, SFN 1100947**

The structure at this location is a 14’3” by 8’11” sectional corrugated metal pipe arch with wire mesh embedded in the concrete paved invert. The overall length of the culverts is 84’. The culvert was constructed in 1977.

The existing structure has a sufficiency rating of 89 and general appraisal rating of 5 (fair). Conditions noted at the time of the January 2012 inspection include rust and scale on the bottom with the galvanization missing. Gaps and loose/missing bolts were noted in the seams.

USGS mapping indicates the culvert carries Buck Creek. Based on river mile maps, Buck Creek officially begins 7.5 miles downstream. The stream has a drainage area of 0.67-square mile at the project location. The stream is tentatively classified as a Class II primary headwater habitat stream at the project location.

No trees offering Indiana bat habitat will be removed under the project. Buck Creek does not offer habitat for mussels at the project location. No wetlands were identified at the project location. The project area is not located within a designated special flood hazard area.

**CHP-US 36-23.27, SFN 1101013**

The structure at this location is a twin-pipe culvert system consisting of two 7’11” by 5’11” sectional bituminous-coated corrugated metal pipe arches. The overall length of the culverts is 66’. The culvert system was constructed in 1980.

The existing structure has a sufficiency rating of 84.9 and general appraisal rating of 5 (fair). Conditions noted at the time of the January 2012 inspection include failure of the protective coating, as well as rust and minor scale on the bottom. There is a small perforation in the forward cell and the forward cell has experienced minor settlement and ponding.

The culverts carry an unnamed drainage way that releases to an unnamed of Treacle Creek. The drainage area at the culvert system is 0.37-square mile. At the project location there is no ordinary high water and the channel upstream consists of mowed grasses. Downstream, the stream is tentatively classified as a Class I primary headwater habitat stream.

No trees offering Indiana bat habitat will be removed under the project. No wetlands were identified at the project location. The project area is not located within a designated special flood hazard area.
The structure is a triple-pipe culvert system consisting of three 7’3” by 5’3” corrugated metal pipe arches. The overall length of the culverts is 56’. The culvert system was constructed in 1956.

The existing structure has a sufficiency rating of 98.2 and general appraisal rating of 6 (satisfactory). Conditions noted at the time of the January 2012 inspection include rust and scale, with loss of structure. The center pipe is pitted with perforations. Portions of the galvanized coating have failed.

The culvert system carries a branch of the Little Darby. The stream has a drainage area of 1.42 square miles at the project location. The waterway does not have an assigned Aquatic Life Use; based on the Qualitative Habitat Evaluation Index score, the stream is classified as “poor” quality.

No trees offering Indiana bat habitat will be removed under the project. Buck Creek does not offer habitat for mussels at the project location. No wetlands were identified within the project limits. The project area is not located within a designated special flood hazard area.

The structure at this location is a 15’ by 9’ sectional corrugated metal pipe arch. The overall length of the culverts is 380’. The culvert was constructed in 1975.

The existing structure has a sufficiency rating of 85 and general appraisal rating of 75 (good). Conditions noted at the time of the February 2012 inspection include rust a on the bottom with a minor area of dentable metal.

The culvert carries Warden Ditch. The waterway does not have an assigned Aquatic Life Use; based on the Qualitative Habitat Evaluation Index score, the stream is classified as “fair” quality. Large numbers of Asiatic clams were identified at the inlet; no mussels were found. The vegetated roadway ditches on the east side of I-675, releasing to Warden Ditch, appear to be typically wet, due to back up of the stream at the culvert.

No trees offering Indiana bat habitat will be removed under the project. The culvert is located within a designated special flood hazard area.