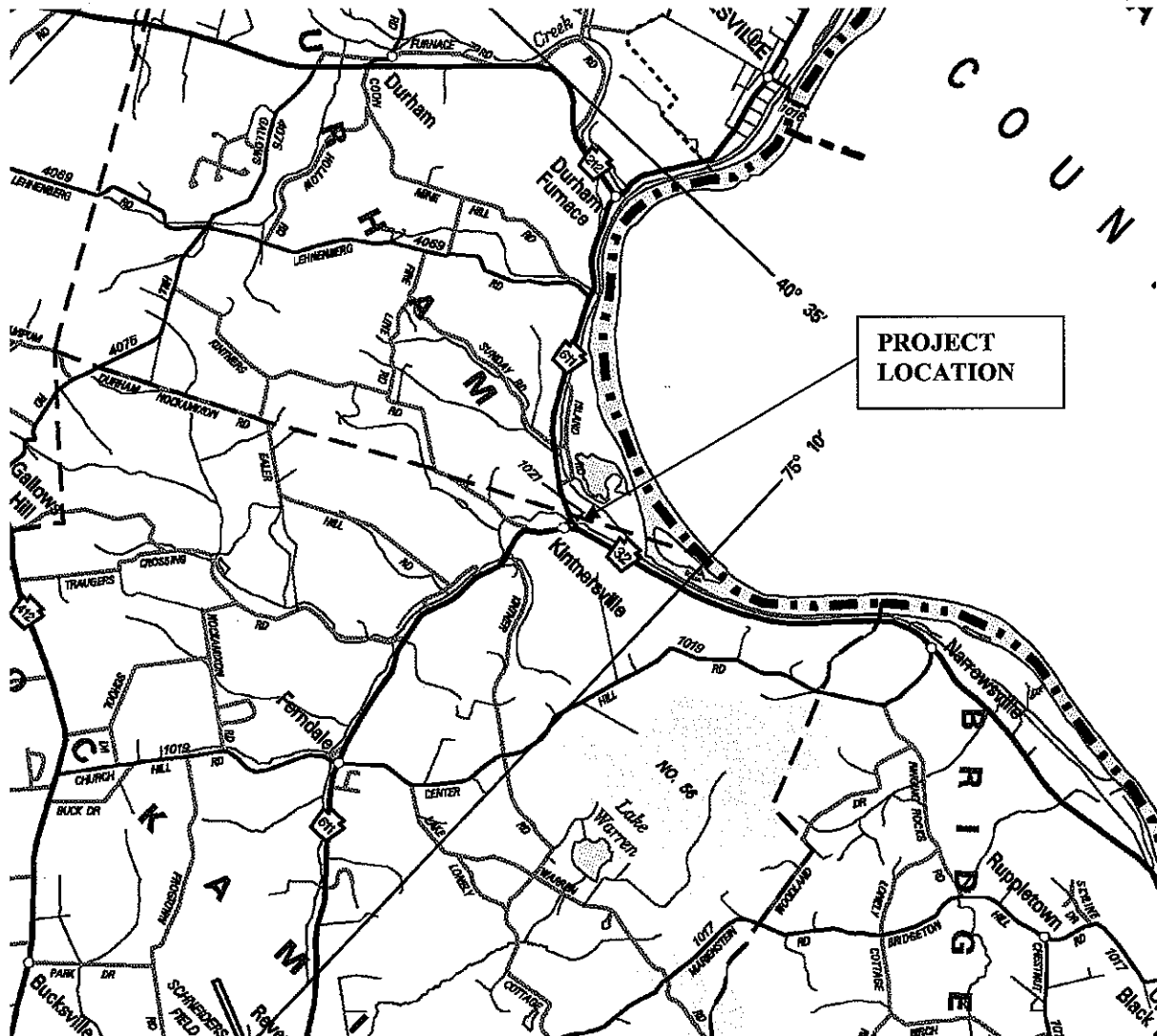


Project Location Map



The project is located along SR 611, with the lower portion in Nockamixon Township and the upper portion in Durham Township, Bucks County

Project Description

This project is for the replacement of the bridge carrying Easton Road over the Gallows Run in Nockamixon Township, Bucks County. The project is located within a rural village setting, much of which is in the Kintnersville Historic District. Along rolling terrain, the project area has a mix of residential and commercial land-use areas.

BUCKS COUNTY
S.R. 611, SECTION 74S; MPMS# 13337
DESIGN CRITERIA REPORT

This project involves the removal of the existing Old Easton Road (SR 1021) bridge, a concrete encased rolled steel I-beam built in 1921 and the replacement of the existing Easton Road (SR 611) bridge, a rolled steel I-beam bridge with a composite, prestressed spread box beam structure. This new structure will incorporate a decorative form-liner façade and the use of weathered steel guide rail to contribute to a scenic setting. The Easton Road approaches will be widened for shoulders, a median and to provide for a southbound left-turn lane. New guide rail, end treatments and drainage improvements will be included.

The project length is 1100 feet between the Start and Stop Work Limits. 62 feet of that length will be the span of the replacement structure. Most of the remaining length will be for full-depth pavement reconstruction. The reconfiguration of the SR 611/SR 32 intersection will require additional roadway over unpaved areas and this will result in improved access and mobility through the project area.

To minimize the project's impact during construction, the new structure will be built in stages, accommodating through traffic flow on Easton Road. During the reconstruction and realignment of the SR 611/SR 32 intersection, a short-term detour of Easton Road may be required. This 11 mile detour will use only state owned roads with no improvements. Throughout the construction phase, access will be maintained to local homes and businesses.

Below, the existing Easton Road bridge, built in 1949 is structurally deficient, being in poor condition. Deterioration of the concrete parapet has been temporarily repaired with w-beam railing and the approach guide rail is functionally inadequate. Currently, the bridge has a Sufficiency Rating of 38.1%.

