



DEPARTMENT OF ENGINEERING AND PLANNING  
Division of Engineering  
One Spring Street  
Newton, New Jersey 07860  
973-579-0430  
[dpw@sussex.nj.us](mailto:dpw@sussex.nj.us)  
William J. Koppenaal, P.E.  
Division Director/Assistant County Engineer

## **Project Design Notice – Bridge O-07 Replacement Distributed: August 24, 2015**

### **Project:**

#### **Replacement of Bridge O-07**

#### **Passaic Avenue, Borough of Ogdensburg**

Bridge O-07 is a 47-foot long single span concrete encase steel girder bridge on Passaic Avenue over Wallkill River in Ogdensburg Borough, built in 1928. The bridge is structurally deficient due to the poor condition of the superstructure and functionally obsolete due to the substandard deck geometry and requires replacement. The bridge has been reduced to a single lane of traffic due to significant deterioration to the bridge fascia.

The County proposes replacing the existing structure with a new steel stringer superstructure on a steel sheeting substructure with concrete cladding. The bridge will be widened to a 28-foot width. An open bar railing will be used with concrete pylon ends.

### **Designer:**

Keller & Kirkpatrick, Inc., of Morris Plains, NJ

### **Design Schedule**

- |                       |                               |
|-----------------------|-------------------------------|
| ✓ Preliminary Design  | Spring 2015 – <i>Complete</i> |
| ✓ Permits             | Summer 2015 – <i>Complete</i> |
| • <b>Final Design</b> | <b>Fall 2015</b>              |
| ○ Public Bidding      | Winter 2015                   |
| ○ Bridge Construction | Spring/Summer 2016            |

(Dates are preliminary and subject to change pending unforeseen circumstances)

### **Construction Funding:**

NJDOT 2014 LBFNP Primary

Grant Application \$1,000,000.00

2015/2016 County Capital \$200,000.00

Total Estimated Construction Cost \$1,200,000.00

### **Traffic Impacts:**

Construction will require a full closure of Passaic Avenue at Bridge O-07, with a posted detour.

*For more information about this project please feel free to contact Siân Pearson, at the Sussex County Division of Engineering at 973-579-0430 or [dpw@sussex.nj.us](mailto:dpw@sussex.nj.us)*



Bridge O-07: Passaic Avenue Looking West Toward the Bridge



Bridge O-07: Bridge Fascia Deterioration Looking Downstream



Bridge O-07: Concrete Spalling and Exposed Rebar



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**Bridge O-07: Location Map**

