



DEPARTMENT OF ENGINEERING AND PLANNING
 Division of Engineering
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 William J. Koppenaar, P.E.
 Division Director/Assistant County Engineer

Public Notice: Bridge S-10 Imminent 12-Ton Weight Posting Distributed: Oct 23, 2015

Municipality:

Stillwater Township

Facility:

Bridge S-10- TO BE WEIGHT POSTED AT 12 TONS

Carrying CR 617 (a.k.a. Fairview Lake Road)
 over Tributary of Paulins Kill

Advisory:

During an inspection of Bridge S-10 by Sussex County's On-Call Engineering Consultant, Genesis Engineering, significant deterioration was observed in the prestressed concrete beams that carry the roadway. Based upon the observed deterioration, Genesis Engineering performed a load rating calculation to determine the safe load carrying capacity of the bridge.

The results of these calculations indicated that in its current condition the prestressed beam superstructure does not have sufficient load carrying capacity to allow all legal vehicles (i.e. heavier traffic) to safely traverse the bridge.

Therefore, in the interest of public safety, Bridge S-10 is to be load posted (i.e. weight restricted) in accordance with the above.

Actions To Be Taken:

- NJ One Call utility mark out prior to sign installation
- Expedited sign fabrication and installation by Sussex County Office of Bridge & Traffic Safety in-house forces.
- **12 TON BRIDGE WEIGHT POSTING: On or about, Monday, October 26, 2015**, Bridge S-10 on CR 617 (a.k.a. Fairview Lake Road) will be weight posted (i.e. weight restricted) to 12 Tons. Signs will be placed at the intersections of CR-617 with CR-521 and Middleville Road and on both approaches to Bridge S-10 to advise motorists.

Follow Up Actions:

Bridge S-10 is in the Division of Engineering's active design queue for replacement of the bridge superstructure (beams). Pending receipt of NJDEP permits and availability of capital construction funds, rehabilitation of this bridge is scheduled for summer/fall 2016 or spring/summer 2017.

Contact Information:

For more information about this bridge please contact Matt Sinke, Principal Engineer, of the Sussex County Division of Engineering at 973-579-0430 or dpw@sussex.nj.us.

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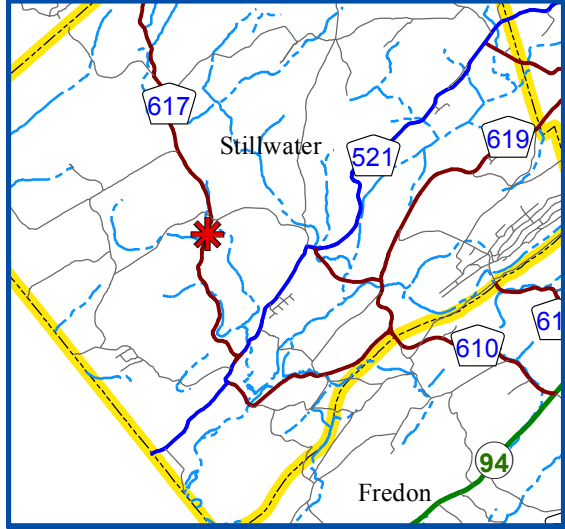
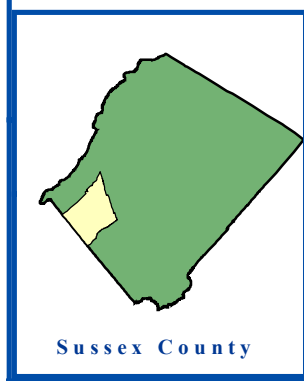
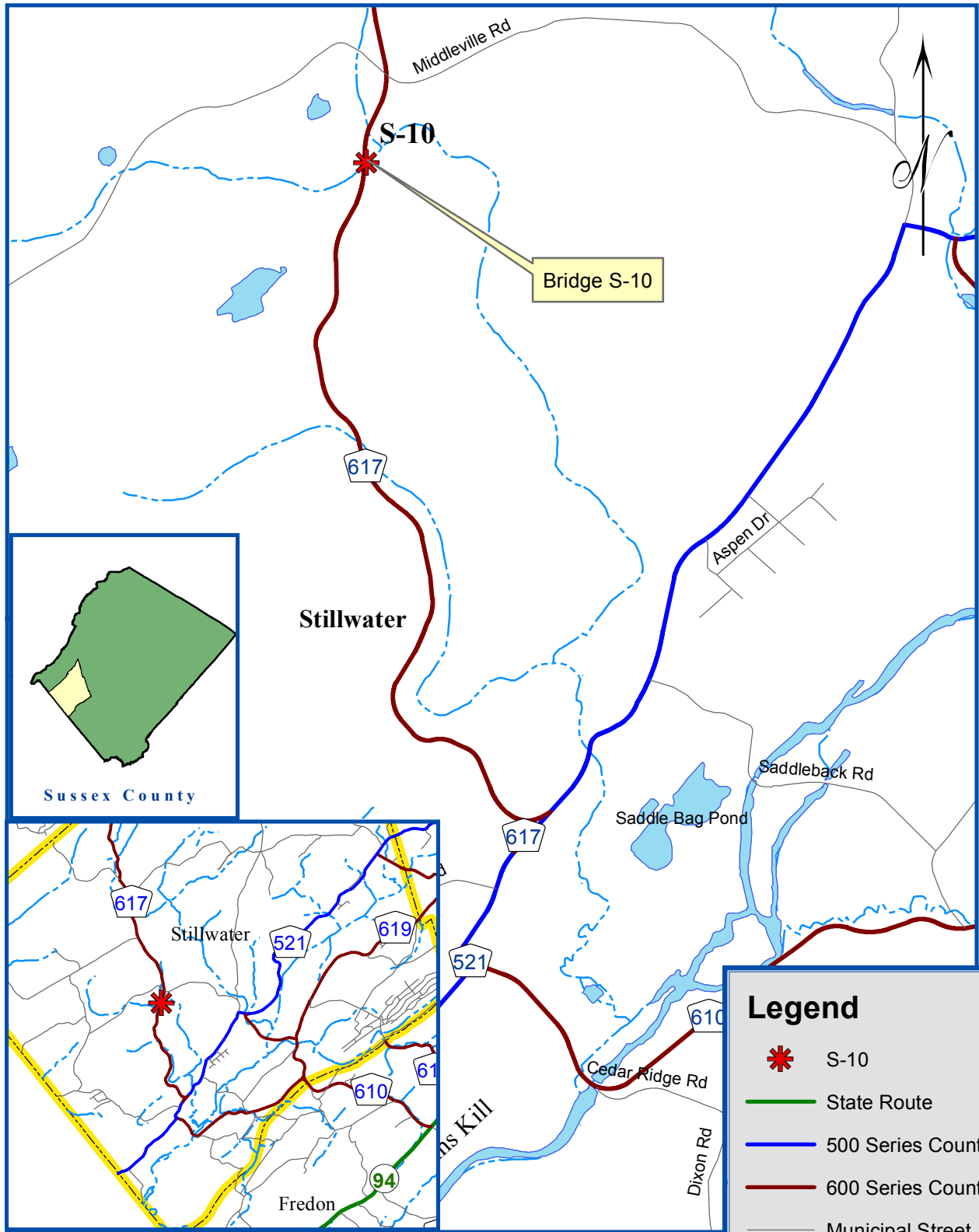
Bridge S-10: Roadway View, Looking South towards CR-521 (a.k.a. Stillwater Road)











Bridge S-10: Roadway View, Looking Upstream



Left: Underside of Beam, showing deteriorated concrete and failed prestressing strands. Right: Streambed, showing concrete which has fallen from the beam shown at left



Legend

-  S-10
-  State Route
-  500 Series County
-  600 Series County
-  Municipal Street
-  Muni Bndry
-  Lake
-  Stream



Sussex County Division of Engineering
 County Bridge S-10
 County Route 617
 Location Map - Not to Scale