

DeIDOT Traffic Signal Improvements

American Recovery and Reinvestment Act (ARRA)

Identified Projects

Project Justification:

Each intersection has a different scope of work, variously involving new signal installations, reconstruction of aging infrastructure, pedestrian signal enhancements, upgrade of curb ramps to current ADA standards, modification of left-turn phasing, and lengthening of left-turn storage bays. Improvements will improve traffic flow, vehicular safety, pedestrian safety, and the reliability of the system.

US 13 & Boulden Boulevard, NCCo:

Completed October 7, 2009; Reconstruction of signal due to deteriorating equipment, including poles and pole bases.

US 13 & Lepore Drive, Kent County:

Completed October 7, 2009; New “half-signal” to be installed based on recommendations of warrant and operational analysis. Southbound through traffic will receive a red indication to allow a green indication for northbound left-turn traffic. At this time, left-turn traffic out of Lepore Road will not be allowed, and northbound through traffic on US 13 will not be required to stop at any time.

US 13 & Memorial Drive, NCCo:

Completed August 5, 2009; Project to install crosswalks, pedestrian signals, and improved ADA curb ramps. Project to also make minor modifications to the signals and striping at the adjacent intersection of US 13 & Hazeldale Avenue related to the fire department pre-emption.

US 202 & Righter Parkway, NCCo:

Completed July 28, 2009; Project to bring pedestrian signalization up to current standards, including minor modifications to right-turn movements, ADA curb ramp upgrades, and new pedestrian signal equipment including countdown signal heads. Crosswalk across US 202 will be moved from the south to the north side of the intersection.

SR 2 (Kirkwood Highway) & Albertson, NCCo:

Completed July 8, 2009; Minor modifications to the signal phasing related to the southbound right-turn movement from Albertson Boulevard to SR 2. Addition/upgrade of pedestrian crosswalks/curb ramps/signals. Conversion of SR 2 left-turn phasing from protected/permitted to protected-only. Median modifications on SR 2 between Albertson Boulevard and SR 41 to lengthen the left-turn lane serving Albertson Boulevard.

Mill Creek Road & McKennans Church Road, NCCo:

Completed June 8, 2009; Intersection improvement project that includes revising diagonal span to a box-span, upgrading traffic signal equipment, design of ADA ramps, installation of pedestrian indications, push buttons, and countdown signal heads.

Frederica Fire Signal, Kent County:

Completed June 3, 2009; Project was initiated due to frequent maintenance problems involving vehicles hitting the signal cabinet, on the edge of a parking lot. Project will fully re-build the fire signal to bring the signal up to current MUTCD standards.

SR 1 & West Way Drive, Sussex County:

Completed May 1, 2009; This project involves median island and pedestrian signal upgrades, including the installation of countdown signals. This project will also include the installation of countdown signals at Kent Avenue & West Way Drive, and at SR 1 & SR 26.

UNDER CONSTRUCTION:

US 13 & SR 42, Kent County:

Project includes revising X-span to a box-span, upgrading traffic signal equipment.