

EXECUTIVE SUMMARY

OVERHEAD TRAFFIC SIGN VISIBILITY UPGRADE PROJECT

PREPARED BY:

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EXECUTIVE SUMMARY

THE PURPOSE OF THIS PROJECT WAS TO INSPECT AND EVALUATE ALL OF OUR EXISTING OVERHEAD MAST ARM MOUNTED, SPAN WIRE MOUNTED OR RIGID FREE STANDING STRUCTURE MOUNTED TRAFFIC SIGNS ON CITY STREETS AND MONROE COUNTY ROADS FOR THE PURPOSE OF UPGRADING THESE SIGNS BY REPLACING THEM WITH SIGNS THAT HAVE A HIGHER LEVEL OF RETROREFLECTIVITY AND/OR INCREASED LETTER SIZE. THIS WILL PROVIDE IMPROVED OVERALL VISIBILITY AND LEGIBILITY FOR ALL MOTORISTS, BUT PARTICULARLY FOR THE AGING MOTORIST POPULATION.

ONCE THE INSTALLATIONS ARE COMPLETED, ALL OF OUR OVERHEAD SIGNS WILL HAVE 3M DIAMOND GRADE ³ (DG³) SHEETING, OR 3M VIP SHEETING WHICH MEETS THE NEW RETROREFLECTIVITY STANDARDS. IT SHOULD BE NOTED THAT BASED ON ENGINEERING JUDGEMENT, DUE TO LACK OF SPACE ON OUR MAST ARMS, AND LACK OF AVAILABLE LOAD CAPACITY, WE HAVE DECIDED TO CONTINUE TO UTILIZE 8" LETTERS FOR OUR OVERHEAD SIGNS IN LIEU OF THE 12" LETTERS RECOMMENDED IN THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

THE METHODOLOGY USED FOR THE PROGRAM WAS AS FOLLOWS:

1. TRAFFIC ENGINEERING TECHNICIANS VISITED 360 LOCATIONS (186 MAST ARM SIGNALS, 140 SPAN WIRE SIGNALS AND 34 RIGID MOUNTS) AND DETERMINED IF ALL OF THE EXISTING SIGNS HAVE THE HIGHER RETROREFLECTIVE SHEETING, AND MEET CURRENT DEPARTMENT STANDARDS FOR LETTER SIZE AND SIGN LOCATION.
2. ONCE THE TECHNICIANS DETERMINED WHICH SIGNS NEEDED TO BE REPLACED, RELOCATED, OR ADDITIONAL SIGNS INSTALLED, THEY CREATED WORK ORDERS TO FABRICATE AND INSTALL THE NEW SIGNS, OR RELOCATE SIGNS AS NEEDED.
3. THE SIGN OPERATIONS SECTION RECEIVED THE WORK ORDERS, FABRICATED THE SIGNS, IF NOT ALREADY IN STOCK, USING THE HIGHER VISIBILITY MATERIAL, AND SCHEDULED THE INSTALLATION. THE SIGN OPERATIONS SECTION WILL INSTALL THEM WHEN THEIR SCHEDULE PERMITS.

IN THIS MANNER, ALL OF OUR OVERHEAD SIGNS IN THE CITY AND COUNTY HAVE BEEN OR WILL BE REPLACED WITH SIGNS WITH HIGHER RETROREFLECTIVITY MATERIAL. WHEN ALL IS SAID AND DONE, 1,149 SIGNS WILL HAVE BEEN UPGRADED.