

FHWA REGION	STATE	PROJECT	
5	OHIO		

SIGNALS

GENERAL

IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT THE CONTRACTOR IS TO SUPPLY ALL LABOR, EQUIPMENT AND MATERIALS TO RESULT IN A COMPLETELY OPERATIONAL, MULTI-PHASE TRAFFIC CONTROL SYSTEM AS SHOWN IN THE PLANS.

LOCATION

THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE TRAFFIC CONTROL SYSTEM TO CONTROL THE MOVEMENT OF TRAFFIC AT EACH OF TWO INTERSECTIONS IN THE CITY OF MENTOR, OHIO. THE INTERSECTIONS WHICH ARE TO BE SIGNALIZED TO FACILITATE THE CONTROL OF THIS TRAFFIC ARE AS FOLLOWS:

1. HEISLEY ROAD & S.R. 2 WEST BOUND RAMP
2. HEISLEY ROAD & S.R. 2 EAST BOUND RAMP

GENERAL MATERIALS

BEFORE ANY EQUIPMENT IS ORDERED OR INSTALLATION OF THE SIGNAL SYSTEMS IS BEGUN, A LIST OF EQUIPMENT INCLUDING MAKE, AND MODEL NUMBER SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER. THIS LIST SHALL INCLUDE AT LEAST THREE (3) SETS OF CATALOG CUTS, DIAGRAMS, DRAWINGS, BROCHURES, DATA SHEETS OR OTHER DESCRIPTIVE MATERIAL AS MAY BE REQUIRED.

ELECTRIC POWER SHALL BE OBTAINED FROM THE ILLUMINATING COMPANY AT THE LOCATIONS INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120 VOLTS.

ALL SPARE CONDUCTORS ARE TO BE SO MARKED, GROUPED TOGETHER WITH A SINGLE WIRE AT A TERMINAL POINT WHICH SHALL BE GROUNDED. THIS IS TO "BLEED OFF" ANY INDUCED CHARGE.

GUARANTEE

THE CONTRACTOR SHALL GUARANTEE THAT THE TRAFFIC CONTROL SYSTEM INSTALLED AS PART OF THIS CONTRACT SHALL OPERATE SATISFACTORILY FOR A PERIOD OF 60 DAYS FOLLOWING THE TEN (10) DAY PERFORMANCE TEST. IN THE EVENT OF UNSATISFACTORY OPERATION, THE CONTRACTOR SHALL CORRECT FAULTY INSTALLATION MAKE REPAIRS AND REPLACE DEFECTIVE PARTS WITH NEW PARTS OF EQUAL OR BETTER QUALITY. EQUIPMENT, MATERIAL AND LABOR COSTS INCURRED IN CORRECTING AN UNSATISFACTORY OPERATION SHALL BE BORNE BY THE CONTRACTOR. THE GUARANTEE SHALL COVER ALL COMPONENT PARTS OF THE TRAFFIC CONTROL SYSTEM.

CUSTOMARY MANUFACTURERS' GUARANTEES FOR THE FOREGOING ITEMS SHALL BE TURNED OVER TO THE CITY OF MENTOR FOLLOWING THE ACCEPTANCE OF THE EQUIPMENT.

THE COST OF GUARANTEEING THE TRAFFIC SYSTEM WILL BE INCIDENTAL AND WILL BE INCLUDED IN THE CONTRACT PRICE FOR THE INSTALLATION.

THE PROJECT WILL BE ACCEPTED AND THE CONTRACTOR'S WORK FINALLED OUT AS A COMPLETE PROJECT. IT IS TO BE UNDERSTOOD THAT INDIVIDUAL INTERSECTIONS, WHEN COMPLETED, ARE TO BE PUT ON-LINE. HOWEVER, PARTIAL ACCEPTANCE OF ANY INTERSECTION WITH THE BEGINNING OF THE GUARANTEE PERIOD SHALL NOT COMMENCE UNTIL ALL INTERSECTIONS CONTRACTED FOR HAVE BEEN INSTALLED AND HAVE SUCCESSFULLY OPERATED FOR THE MINIMUM TEN (10) DAY PERFORMANCE TEST

LOOP DETECTORS

IN ADDITION TO THE HEISLEY RD. RAMPS, THE FOLLOWING ESTIMATED QUANTITIES ARE INCLUDED IN THE GENERAL SUMMARY TO REPLACE ANY EXISTING DETECTORS WHICH MAY BE DESTROYED ON VARIOUS RAMPS BY PAVEMENT REPAIR OPERATIONS:

- ITEM 632-LOOP DETECTOR PAVEMENT CUTTING.....150 L.F.
- ITEM 632-LOOP DETECTOR WIRE, TYPE E.....300 L.F.

THE LOOP DETECTOR WIRE SHALL BE REPLACED TO THE PULL BOX AND IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING T.C. 82.10.