

CONSTRUCTION NOTES	
1.	ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2.	THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
3.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED, PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
4.	ELECTRICAL WORK SHALL CONFORM TO NATIONAL, STATE, AND LOCAL CODES.
5.	ALL TRAFFIC SIGNAL STRUCTURES SHALL BE BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE" AND SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS (INCLUDING CLAMPS, HARDWARE, ELECTRICAL CABLE, AND ALL OTHER ITEMS REQUIRED TO BOND THE STRUCTURES).
6.	A FIVE FOOT PIECE OF GREEN INSULATED #6 1/C XLP-USE CABLE SHALL BE USED TO CONNECT THE HANDHOLE LID TO THE FRAME. THE COST OF THIS WIRE SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "BOND TRAFFIC SIGNAL STRUCTURE".
7.	THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
8.	ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
9.	THE EXISTING TRAFFIC SIGNAL CONTROLLER CABINETS SHALL BE GROUNDED AND SAFETY BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. THE CONTRACTOR SHALL CONNECT THE PROPOSED GROUND CABLES TO THE CABINETS USING UL LISTED MECHANICAL CONNECTORS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR "ELECTRIC CABLE IN CONDUIT, GROUNDING, 1C, NO. 6" AND SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO BOND THE CABINET.

DETECTOR LOOP INSTALLATION - CONSTRUCTION NOTES	
1.	DETECTOR LOOP REPLACEMENT QUANTITIES ARE ESTIMATED. THE CONTRACTOR SHALL ONLY REPLACE THE DETECTOR LOOPS THAT ARE DAMAGED BY THE MILLING PROCESS.
2.	A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
3.	ALL DETECTOR LOOPS SHALL BE PLACED BACK INTO THEIR ORIGINAL LOCATIONS.
4.	THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE MILLED SURFACE OR LEVELING BINDER COURSE BEFORE THE FINAL OVERLAY.
5.	ALL LOOP RISERS AFFECTED BY THE MILLING OPERATIONS SHALL BE REFLECTED THROUGH THE NEW SURFACE AND ALL LOOP RISERS SHALL BE CHIPPED OUT AND FILLED WITH EPOXY.
6.	THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 FORTY-EIGHT HOURS PRIOR TO BEGINNING MILLING OR PATCHING OPERATIONS.
7.	THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE FOR DETECTOR LOOP, TYPE I PAY ITEM. THERE WILL BE NO ADDITIONAL COMPENSATION.

TRAFFIC SIGNAL - SCHEDULE OF QUANTITIES				
ITEM DESCRIPTION	UNIT	TOTAL QTY.	IL 29 & IL 98	IL 29 & SHERIDAN
DETECTOR LOOP, TYPE I	FOOT	762.0	234.0	528.0
PEDESTRIAN PUSH-BUTTON	EACH	8.0		8.0
BOND TRAFFIC SIGNAL STRUCTURE	EACH	17.0	10.0	7.0
ELECTRIC CABLE IN CONDUIT, 1/C, NO. 6 GROUNDING	FOOT	507.0	366.0	141.0

INTERSECTION	PEDESTRIAN PUSHBUTTON	TRAFFIC STRUCTURES TO BE SAFETY BONDED					ELCBL C GROUND 6 1C	GROUND CABLE INSTALLATION NOTES
		SERVICE RISER	DOUBLE HANDHOLE	HANDHOLE	MAST ARM	SIGNAL POST		
IL 29 & IL 98			1	4	2	3	366.0	ENTIRE INTERSECTION
IL 29 & SHERIDAN	8	1	1	3	2		141.0	DBHH TO MA IN SE QUAD, HH TO MA IN NW QUAD

NOTE: ONLY HANDHOLES WITH HIGH VOLTAGE CONDUCTORS SHALL BE GROUNDED. DETECTOR LOOP AND TRAFFIC SIGNAL INTERCONNECT HANDHOLES WILL TYPICALLY NOT REQUIRE GROUNDING.

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 & SHERIDAN			
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.
D-1	6' X 50' QUAD	162	30
D-2A	6' X 6'	24	18
D-2B	6' X 6'	24	6
D-5	6' X 50' QUAD	162	30
D-6A	6' X 6'	24	18
D-6B	6' X 6'	24	6
TOTAL:		420	108

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE IL 29 & IL 98			
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.
D-1	6' X 50' QUAD	162	30
D-2A	6' X 6'	24	18
D-2B	6' X 6'	24	6
TOTAL:		210	24