

CONSULTANTS:

**SILVER FOX STREET & MAIZE ROAD
 TRAFFIC SIGNALIZATION**



REVISIONS:	DESCRIPTION	DATE	MARK

PROJ NO: P125100009
 SCALE: NTS
 DATE: 2/17/2016
 DESIGNED BY: CCB
 DRAWN BY: SGE
 CHECKED BY: SGE

**SHEET TITLE:
 TRAFFIC SIGNAL
 WIRING
 DIAGRAM**

SHEET NO.
4
 SHEET 4 OF 30

DETECTOR NUMBER	LOOP OR DETECTION ZONE SIZE	VIDEO	INDUCTION LOOP (3 TURNS)	TIMINGS(SEC)		MODE		PHASE CALLED	NO. OF CHANNELS	COMMENTS
				STRETCH	DELAY	PULSE	PRESENCE			
31	6'x100'	X			2.0		X	1	1	
41, 42	6'x100'	X			2.0		X	2	2	
81, 82	6'x100'	X			2.0		X	6	2	
61, 62	6'x60'	X			6.0		X	8	2	

PHASE	MINIMUM INITIAL	UNIT EXTENSION	MAXIMUM GREEN	PEDESTRIAN			CLEARANCE	
				WALK	FDW	SDW	YELLOW	ALL RED
1	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-
3	6	1.0	15	-	-	-	4.3	2.3
4	6	1.0	30	8	21	3.0	4.3	2.3
5	-	-	-	-	-	-	-	-
6	6	1.0	16	-	-	-	2.8	4.2
7	-	-	-	-	-	-	-	-
8	6	1.0	30	-	-	-	4.3	2.3

Clearance Time Speeds:
 Maize Road = 45 MPH
 Silver Fox Street = 30 MPH

*MAXIMUM GREEN IS FOR NON-PEDESTRIAN CALLS ONLY. PEDESTRIAN PHASING SHALL EXTEND PHASE WHEN CALLED IF APPROPRIATE

LEGEND

- COND. GALVANIZED RIGID STEEL CONDUIT
- SIG. SIGNAL CABLE
- PED. PEDESTRIAN SIGNAL CABLE
- DET. DETECTOR LEAD-IN CABLE
- LOOP LOOP DETECTOR CABLE
- VIDEO VIDEO POWER & COMMUNICATION CABLE
- ST.LT. STREET LIGHTING CABLE
- INT. SIGNAL INTERCONNECT CABLE
- GROUND WIRE FOR POLE GROUND
- TRACE TRACE WIRE
- COAX. COAXIAL CABLE
- OPT. OPTICAL PREEMPTION DEVICE CABLE
- POWER SERVICE POINT TO CONTROLLER POWER WIRES
- FUT. CABLE FOR FUTURE USE

NOTES

1. IC GROUND WIRE SHALL BE AWG #6 GREEN SOLID COPPER WIRE IN ACCORDANCE WITH ASTM B-3, BONDED TO CONDUIT.
2. ALL WIRES SHALL BE AWG #14 UNLESS SPECIFIED OTHERWISE. ALL WIRE SHALL BE SOLID WIRE, STRANDED WIRE IS NOT ALLOWED.
3. VIDEO CABLES SHALL RUN CONTINUOUS. NO SPLICES WILL BE ALLOWED.
4. IN NO CASE SHALL MORE THAN 60% OF ANY CONDUIT BE FILLED. SEE POWER POLE AND SPAN POLE ASSEMBLY SHEET FOR MORE DETAILS.
5. FUTURE SIGNAL WIRE SHALL BE TERMINATED AS DIRECTED BY THE ENGINEER. AT A MINIMUM, THE POLE END SHALL BE TERMINATED IN AN EMPTY TERMINAL BLOCK LOCATION AND THE CONTROLLER END, CLEARLY LABELED AND SEALED TO FACILITATE EASY RETROFIT.

PHASE	INDICATION
1	Red
2	Red
3	-
4	-
5	-
6	Red
7	-
8	Red
PED.	DARK

