SIGNAL SCHEDULE SHEET

	SIGNAL STRUCTURAL SUPPORT SYSTEM						SIGNAL HEAD											POWER SOURCE SYSTEMS (SEE NOTES 7 & 8 THIS SHEET)						
																		SIGNAL & LIGHTING						
	MAST ARM SIGNAL POLE FOUNDATION 3' x 12'	TRAFFIC SIGNAL POLE FOUNDATION 2' x 3'	TYPE 5 CABINET FOUNDATION	TYPE 6 CABINET FOUNDATION	UNDERGROUND SERVICE PEDESTAL FOUNDATION	MESSENGER (STRANDED) 5/16" CABLE	TYPE I SIGNAL HEAD W/LED LENSES	TYPE II SIGNAL HEAD W/LED LENSES	TYPE III SIGNAL HEAD W/LED LENSES	TYPE IV SIGNAL HEAD W/LED LENSES	TYPE V SIGNAL HEAD W/LED LENSES	SINGLE SECTION SIGNAL HEAD W/LED LENSES	BACK PLATE (LOUVERED) (FOR TYPE I, II, III)	BACK PLATE (LOUVERED) (FOR TYPE IV)	46" SIGNAL HEAD BRACKET	58" SIGNAL HEAD BRACKET	MAST ARM MOUNTED SIGN WITH MOUNTING BRACKETS	SINGLE CONDUCTOR NO. 4 CABLE	SINGLE CONDUCTOR NO. 6 CABLE	3" P V C CONDUIT	3" GALV. RIGID STEEL CONDUIT		UNDERGROUND SERVICE PEDESTAL	POWER SOURCE (3 WIRE 240 VOLT)
LOCATION	EA	EA	EA	EA	EA	LIN FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LIN FT	LIN FT	LIN FT	LIN FT		EA	EA
TOTAL	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$		$	$
USE	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	*

NOTES:

1. DIRECT BURIAL CABLE - STRANDED, SHIELDED BETWEEN JACKETS, INNER JACKET OF POLYEHTYLENE OUTER JACKET OF BLACK POLYETHYLENE (IMSA SPEC. 60-6).
2. SINGLE CONDUCTOR NO. 14 CABLE - CROSSLINKED POLYETHYLENE, STRANDED WIRE (IMSA SPEC. 51-3). TWO CONDUCTOR NO. 14 STRANDED, SHIELDED CABLE - POLYETHYLENE INNER JACKET, OUTER JACKET OF POLYETHYLENE (IMSA SPEC. 50-2).
3. USE CONTROLLER CABINET FOUNDATION CONDUITS AS FOLLOWS:
   A. SIGNAL CIRCUIT CABLES.
   B. VIDEO POWER AND DETECTION CIRCUIT CABLES.
   C. PEDESTRIAN CIRCUIT CABLES.
   D. PEDESTRIAN PUSH BUTTON CIRCUIT CABLES.
   E. DETECTOR CIRCUITS (USE REMAINING CONDUIT AS NEEDED).
   F. 120/240 VOLT POWER CIRCUIT TO THE CONTROLLER CIRCUIT BREAKER OR UNDERGROUND SERVICE PEDESTAL.
4. PROVIDE 3-FEET EXTRA CABLE LENGTH COILED INSIDE EACH JUNCTION BOX FOR EACH CIRCUIT (POWER, SIGNAL, DETECTOR, LIGHTING, ETC.).
5. INSTALL 5/8 " x 8' GROUND ROD IN EACH JUNCTION BOX WITH 120 LINE VOLTAGE AND ABOVE.
6. USE RHH-USE-RHW ELECTRICAL CABLE, COPPER, RATED FOR 600 VOLTS.
7. CONTACT THE SERVING POWER COMPANY A MINIMUM OF THIRTY (30) WORKING DAYS BEFORE POWER SERVICE IS REQUIRED.
8. POWER SOURCE - SEE UDOT STD DWG SL 3 FOR UNDERGROUND SERVICE PEDESTAL DETAIL. IF POLE MOUNTED POWER SOURCE IS SPECIFIED SEE UDOT STD DWG SL 6 FOR DETAILS. MAKE ALL ARRANGEMENTS WITH LOCAL POWER COMPANY FOR INSTALLATION AND PAY ALL NECESSARY CONNECTION FEES.
9. PLACE ALL CONDUIT IN SAME TRENCH WHERE POSSIBLE.
10. CONSTRUCT SIGNAL IN A MANNER TO AVOID DAMAGE TO EXISTING UTILITIES. ASSUME RESPONSIBILITY FOR ANY UTILITY DAMAGED BY YOUR CONSTRUCTION OPERATIONS. THE PLANS SHOW BURIED UTILITY LOCATIONS IN THEIR APPROXIMATE LOCATION ONLY.
11. SWAB DRY ALL CONDUITS BEFORE PULLING CABLE.
12. SEE UDOT STD DWG SL 10 FOR CONTROLLER BASE DETAILS INCLUDING REQUIRED CONDUIT SIZE AND QUANTITY.
13. EXTEND CONDUIT ENDS INSIDE ALL JUNCTION BOXES A MINIMUM OF 1" TO A MAX. OF 3".
14. PLACE MAST ARM AT 90° TO ROADWAY UNLESS DETAILED OTHERWISE ON PLAN SHEETS.
15. USE LED LENSES FOR TRAFFIC AND PEDESTRIAN SIGNAL HEADS.
16. WIRING AND CONDUIT QUANTITIES TO BE CALCULATED BY CONTRACTOR.

	SIGNAL AND PEDESTRIAN SIGNAL HEAD SYSTEMS							INTERCONNECT SYSTEM				STREET LIGHTING LUMINAIRES FULL CUTOFF									GROUND SYSTEM			DETECTION DEVICE															JUNCTION BOX				FUTURE USE				
			NO.14 CABLE & CONDUIT (IMSA SPECS 20-1)					NO.19 PE CABLE				TYPE III 120/208/240 V LUMINAIRE W/P.E. CTRL.			TYPE III LUMINAIRE 480 V W/OUT P.E. CTRL.									SENSING UNITS			CABLES					CONDUIT													
			SIGNAL CIRCUIT																													SENSOR LOOP		DETECTOR CIRCUIT											
	PEDESTRIAN SIGNAL HEAD	7 CONDUCTOR NO. 14 CABLE (PEDESTRIAN CIRCUIT)	7 CONDUCTOR (IN POLE)	7 CONDUCTOR (IN CONDUIT)	2" P V C			6 PAIR		1½" P V C CONDUIT	3" P V C CONDUIT	HPS 400W	HPS 250W	HPS LUMINAIRE TILTABLE	HPS 400W	HPS 250W		NO. 4 SINGLE CONDUCTOR CABLE	NO. 6 SINGLE CONDUCTOR CABLE	NO. 12 SINGLE CONDUCTOR CABLE	2" P V C CONDUIT	NO. 6 GROUND WIRE	NO. 12 GROUND WIRE	GROUND ROD 5/8" x 8'	SINGLE CONDUCTOR NO.14 SENSOR LOOP	MICRO-WAVE VEHICLE DETECTOR	PUSH BUTTON AND SIGN	4 CONDUCTOR NO.18 (MICROWAVE DETECTOR CIRCUIT)(SEE NOTE 6)	2 CONDUCTOR NO. 14 (DETECTOR CIRCUIT)	4 CONDUCTOR NO. 14 (PUSH BUTTON CRT.)	3 CONDUCTOR NO. 14 (VIDEO POWER)	COAX CABLE	¾" P V C	1½" P V C	1½" P V C	2" P V C	2½" P V C	3" P V C	POLYMER CONCRETE TYPE I-PC	POLYMER CONCRETE TYPE II-PC	POLYMER CONCRETE TYPE III-PC		2" PVC CONDUIT W/NO.14 SINGLE COND. PULL WIRE		TRENCHING AND BACKFILL SOIL	TRENCHING AND BACKFILL ASPHALT	CONCRETE PAVEMENT SAWING
LOCATION	EA	LIN FT	LIN FT	LIN FT	LIN FT			LIN FT		LIN FT	LIN FT	EA	EA	EA	EA	EA		LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EA	LIN FT	EA	EA	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	EA	EA	EA		LIN FT		LIN FT	LIN FT	LIN FT
TOTAL	$	$	$	$	$			$		$	$	$	$	$	$	$		$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$		$		$	$	$
USE	*	*	*	*	*			*		*	*	*	*	*	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*		*	*	*

* THESE ITEMS ARE COMBINED ON ESTIMATE AS TRAFFIC SIGNAL SYSTEM

$ THESE ITEMS ARE CALCULATED BY THE CONTRACTOR.

NO.	DATE	APPROVED BY	REMARKS

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC AND SAFETY - SIGNAL AND LIGHTING DESIGN

DRAWN BY XXX
QC CHECKED BY XXX
MM/DD/YY
DATE

APPROVED

PROFESSIONAL ENGINEER

PROJECT NAME 1
PROJECT NAME 2
PROJECT NUMBER
DRAWING DESCRIPTION

PROJECT
PROJECT NUMBER

SHEET NO. XX-##

DGN: File:D:\Traffic & Safety Design\Standards\Signal Sheets\SG-S2-Signal Schedule Sheet.dgn

01-FEB-2008