TYPE	YEAR	PROJECT NO.	SHEET NO.
UTILITIES	2013	STP/NH-SIP-37(16)	4A
CONST.	2014	STP/NH-SIP-37(16)	5A

TRAFFIC SIGNAL TIMING CHART

TIMING FUNCTION (SEE NOTE BELOW)	MOVEMENT PHASE	Ø1 & Ø6	Ø2 & Ø6	Ø8		
	MIN GREEN	8	15	8		
	EXTENSION	4	4	4		
	YELLOW CLEARANCE	4.5	4.5	4.5		
	RED CLEARANCE	1.5	1.5	1.5		
	MAX GREEN 1	30	40	25		
	MAX GREEN 2	30	40	25		
	MAX RECALL		X			
	MIN RECALL					
	NON-LOCK	X		X		
	VEH OMIT					
	PED OMIT	X	X	X		
	FLASH	YELLOW	YELLOW	RED		

NOTE: 1. EXISTING SIGNAL TIMINGS PROVIDED ARE BASIC TIMINGS.

DETECTION TABLE

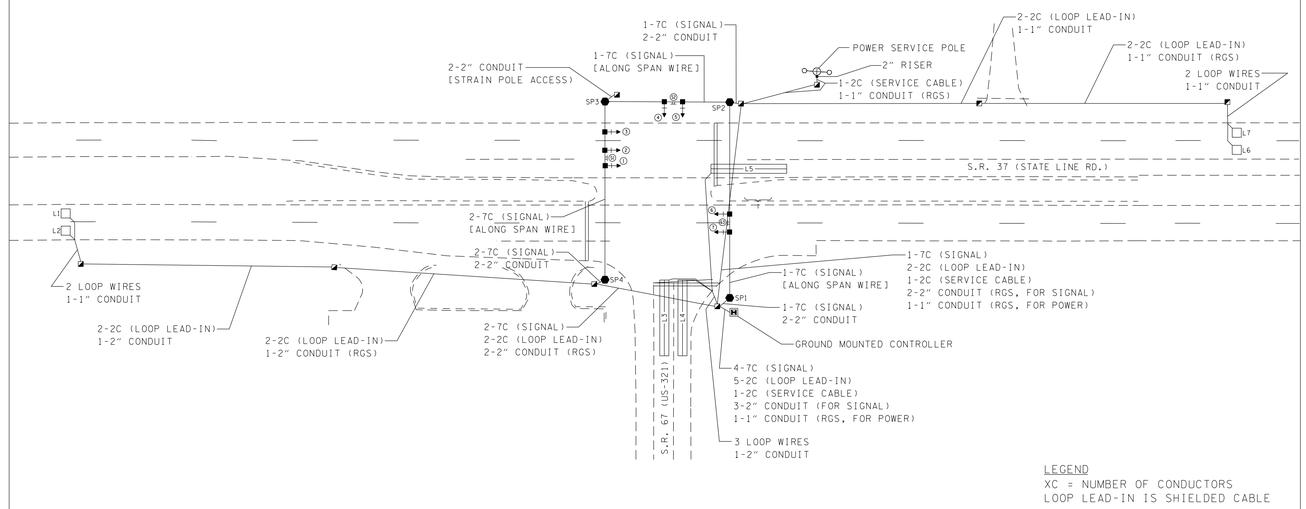
LOOP NO.	SIZE	TYPE	FUNCTION	CONTROLLER PHASE TERMINALS
L1	6′ X 6′	LOOP	PULSE	Ø2
L2	6′ X 6′	LOOP	PULSE	Ø2
L3	6′ X 50′	QUADRAUPOLE	PRESENCE	Ø8
L4	6′ X 50′	QUADRAUPOLE	PRESENCE	Ø8
L5	6′ X 50′	QUADRAUPOLE	PRESENCE	Ø1
L6	6′ X 6′	LOOP	PULSE	Ø6
L7	6′ X 6′	LOOP	PULSE	Ø6

SIGNAL HEAD PHASE WIRING TABLE

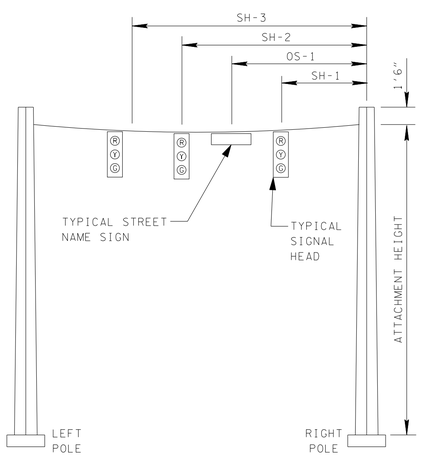
SIGNAL HEAD	CONTROLLER PHASE TERMINALS
1	Ø1 & Ø6
2	Ø6
3	Ø6
4	Ø8
5	Ø8
6	Ø2
7	Ø2

WIRING DIAGRAM

SCALE: 1″ = 50′



LEGEND
XC = NUMBER OF CONDUCTORS
LOOP LEAD-IN IS SHIELDED CABLE



POLE DETAILS

STRAIN POLE	FROM S.R. 37 CENTERLINE STATION	FROM S.R. 37 CENTERLINE OFFSET	COORDINATES	POLE HEIGHT	POLE BASE ELEVATION	ATTACHMENT HEIGHT	MOMENT CAPACITY	FOUNDATION DIAMETER	FOUNDATION DEPTH
SP1	35+15	77′ RT	N 733302.3855 E 3096098.6803	30′	1768.0	28′	216,600 FT-LBS	3′-0″	22′
SP2	35+15	53′ LT	N 733293.2055 E 3095969.8496	30′	1768.0	28′	285,000 FT-LBS	3′-0″	25′
SP3	34+39	53′ LT	N 733211.0594 E 3095975.2884	32′	1768.6	29′	274,100 FT-LBS	3′-0″	25′
SP4	34+39	65′ RT	N 733219.4169 E 3096092.5762	32′	1768.8	29′	195,100 FT-LBS	3′-0″	21′

SPAN DETAILS

LEFT POLE	RIGHT POLE	SPAN	SH-1	SH-2	SH-3	SH-4	OS-1	OS-2	OS-3
SP4	SP3	118′	21′	33′	43′		38′		
SP3	SP2	83′	32′	44′			38′		
SP2	SP1	130′	44′	56′			50′		

NOTE: ALL MEASUREMENTS ARE WITH RESPECT TO THE RIGHT POLE.

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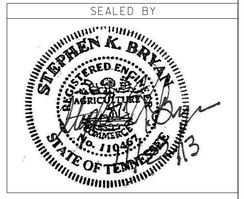

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
SIGNAL DETAILS
S.R. 37 AT
S.R. 67

1/22/2013 10:27:08 AM
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