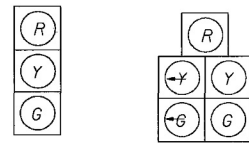


**PROPOSED SIGNAL DETAILS**  
**USR 50 AND WALTON CREEK ROAD**

# PROPOSED SIGNAL HEAD ASSEMBLY



1, 2, 4, 5, 6, 8

7, 3

NOTE: ALL SIGNAL HEADS SHALL BE 12"

## PEDESTRIAN SIGNAL HEADS



Type A2  
P1, P2,  
P3, P4



R10-4  
Mount Above  
PBI, PB2



R9-3a-18  
CW-1, CW-2  
CW-3, CW-4

## SIGNING



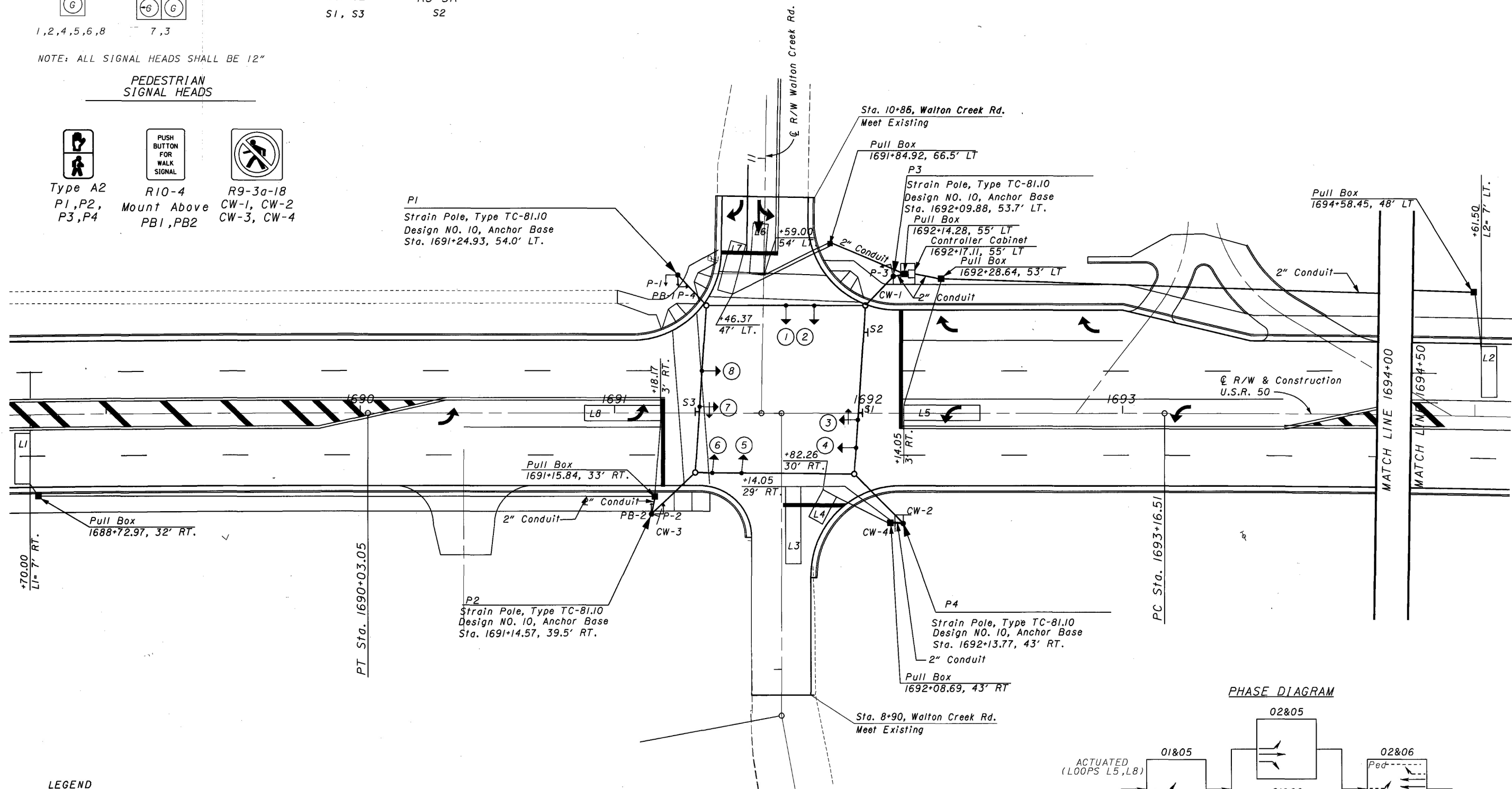
R3-5L  
S1, S3



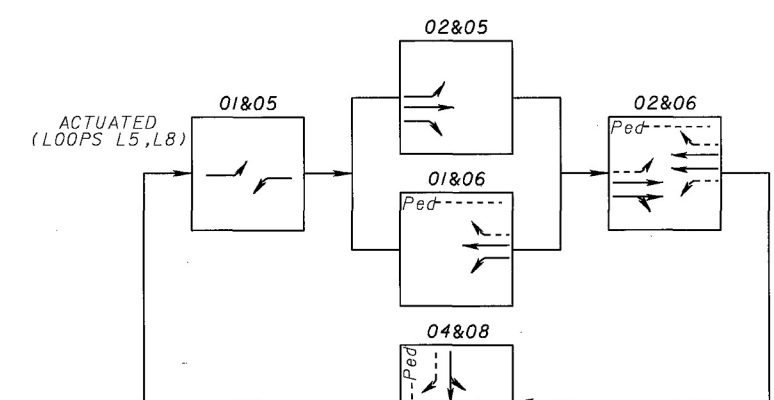
R3-5R  
S2

## Note:

The Power Source For The Existing Signal Operations is Obtained Through an Existing Utility Pole at The Northeast Quadrant of The Intersection. Power Source For The Proposed Signal Operations is Intended to be Maintained From The Same Pole. The Utility Pole is to be Relocated by Cinergy, The Contractor Shall Coordinated With Cinergy to Obtain Power Source For The Signal Operations.



## PHASE DIAGRAM



ACTUATED (LOOPS L3, L4, L6, L7)  
US 50 PREFERENTIAL  
US 50 FLASHES AMBER  
WALTON CREEK ROAD FLASHES RED

## LEGEND

- CONTROLLER WITH FOUNDATION
- 3- SECTION SIGNAL HEAD
- 5- SECTION SIGNAL HEAD
- SIGNAL SUPPORT POLE
- PULL BOX
- LOOP DETECTOR
- PROPOSED SIGN
- EXISTING SIGN
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTON



CALCULATED  
SRD  
CHECKED  
JAA

## TRAFFIC SIGNAL PLAN U.S.R. 50 AND WALTON CREEK

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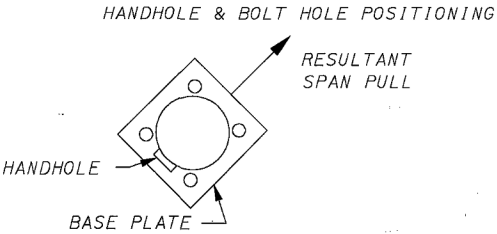
DETECTOR ASSIGNMENTS

DET #	LOCATION	LOOP SIZE*	PHASE	AMP #	TURNS	MODE	DELAY TIME (SECS)
L1	EB THRU	6' x 20'	Ø2	1	3	PRESENCE	
L2	WB THRU	6' x 20'	Ø4	2	3	PRESENCE	
L3	NB	6' x 30'	Ø4	4	3	PRESENCE	3
L4	NB RT	6' x 12'	Ø4	5	3	PRESENCE	10
L5	WB LT	6' x 30'	Ø5	6	3	PRESENCE	
L6	SB	6' x 30'	Ø8	6	3	PRESENCE	3
L7	SB RT	6' x 30'	Ø8	6	3	PRESENCE	10
L8	EB LT	6' x 30'	Ø8	6	3	PRESENCE	10

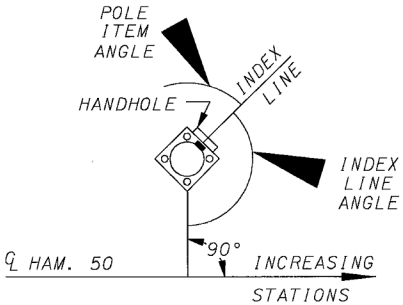
POLE ORIENTATION DATA CHART

							ORIENTATION ANGLE (DEG) FROM INDEX LINE				
POLE	TC-81.10 DESIGN NO.	STATION & OFFSET	FOUNDATION ELEVATION	POLE HEIGHT	INDEX LINE ANGLE	RESULTANT SPAN PULL	HAND HOLE	PED. SIGNAL	PUSH BUTTON	CAPPED 2" ELLS	POWER
P1	10	1691+24.93 - 54.0' LT	497.52	32'	135°	180°	0°	135°/225°	225°	0°	
P2	10	1691+14.57 - 39.5' RT	498.47	32'	225°	180°	0°	225°	225°	0°	
P3	10	1692+09.88 - 53.5' LT	497.61	32'	225°	180°	0°	220°			
P4	10	1692+13.77 - 43.0' RT	498.44	32'	135°	180°	0°				

ALL WEATHERHEADS SHALL BE 2" EXCEPT FOR THE 3" SIGNAL WEATHERHEAD ON POLE 'P2'.  
\*\* ELEVATIONS SHALL BE STAKED AND APPROVED BY THE DIVISION OF TRAFFIC PRIOR TO FOUNDATION EXCAVATION.  
\* TO BE DETERMINED WHEN LOCATION OF THE UTILITY POLE IS ESTABLISHED.



ROTATE POLE ACCORDING TO  
RESULTANT SPAN PULL  
ROTATE POLE FOUNDATION AS SHOWN  
ON THE INTERSECTION LAYOUT SHEET



NOTES:  
1. ALL ANGLES MEASURED CLOCKWISE  
2. INDEX LINE GOES THROUGH CENTER OF HANDHOLE

ACTUATED TRAFFIC SIGNAL CONTROLLER TIMING CHART

START UP		DUAL ENTRY _____					
START IN: Y/R FLASH _____ OR ALL RED _____		REST IN RED: RING 1____; RING 2____					
TIME FOR FLASH OR ALL RED: _____							
FIRST PHASE(S): # _____ & # _____							
COLOR DISPLAYED: GREEN _____; YELLOW _____							
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.					
INTERSECTION MOVEMENT		WBL	EBT	SBT	EBL	WBT	NBT
MINIMUM GREEN (INITIAL) (SEC.)		7	20			20	7
ADDED INITIAL *(SEC./ACTUATION)							
PASSAGE TIME (PRESET GAP) (SEC.)		5	4		6	4	
TIME BEFORE REDUCTION *(SEC.)							
MINIMUM GAP *(SEC.)							
TIME TO REDUCE *(SEC.)							
MAXIMUM GREEN I (SEC.)		20	40		20	40	30
MAXIMUM GREEN II (SEC.)							
YELLOW CHANGE (SEC.)		4	4		4	4	4
ALL RED CLEARANCE (SEC.)		2	2		2	2	2
WALK (SEC.)			7			7	7
PEDESTRIAN CLEARANCE (SEC.)			10			10	15
RECALL	MAXIMUM (ON/OFF)						
	MINIMUM (ON/OFF)		ON			ON	
	PEDESTRIAN (ON/OFF)						
MEMORY (ON/OFF)							
CALL TO NON-ACTUATED	NO. 1						
	NO. 2						

\* VOLUME DENSITY CONTROLS

PROPOSED SIGNAL DETAILS  
USR 50 AND WALTON CREEK ROAD

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