

INTERVALS	DETECTORS		SYSTEM LOC		COORDINATION TYPE: NONE	
	ID	SIZE (WxL)*	TYPE	MODE	MASTER	PROGRAM
MIN GRN						
WALK						
PED CLR						
VEH EXT						
MAX 1						
MAX 2						
YELLOW						
RED						
ADD INIT						
MAX INIT						
TBR						
TTR						
MIN GAP						
MODE						
INIT START						

CLOSED LOOP DETECTOR CHART	
DETECTOR ID	DETECTOR #
D2	18
D2A	26
D2B	27
D2C	28
D4	20
D4A	29
SD2	-
SD2A	-

PRE-EMPTION SETTINGS	
SETTING	VALUE
PRIORITY	1
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	0
HOLD GREEN	15
HOLD YELLOW	4.0
HOLD RED	1.5
HOLD PHASE	2
EXIT PHASE	4
EXIT CALL	NONE

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

SIGN LEGEND

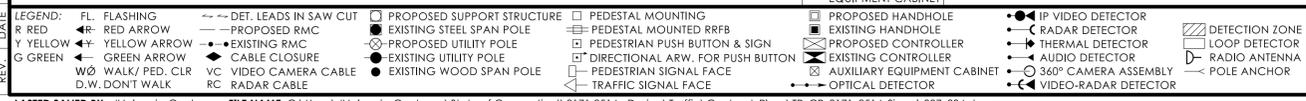
- (A) EXISTING 31-0290
- (B) EXISTING SPAN MTD. 31-0823
- (C) EXISTING 41-0836 & 31-1123
- (D) EXISTING SPAN MTD. 31-1603
- (E) EXISTING SPAN MTD. 31-1604
- (F) EXISTING 31-1121
- (G) EXISTING 31-1178 & 31-1189
- (H) EXISTING 31-1123
- (I) EXISTING 31-1627 W/ "NO RIGHT TURN" PLAQUE
- (J) EXISTING 31-1629 W/ "NO LEFT TURN" PLAQUE
- (K) RELOCATE EXISTING GUIDE SIGNS
- (L) INSTALL 31-1625
- (M) INSTALL 31-1626
- (N) IP CAMERA MOUNTED ON 14" ALUMINUM PEDESTAL
- (O) MIOVISION 360-CAMERA MOUNTED ON 20" ALUMINUM PEDESTAL
- (P) IP CAMERA MOUNTED ON 20" ALUMINUM PEDESTAL

NOTES:

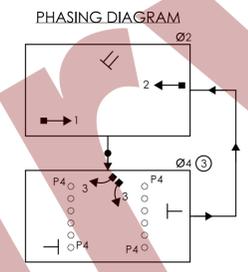
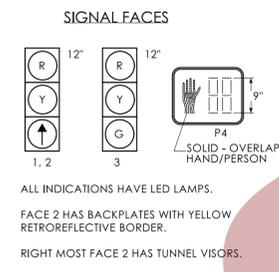
- STATE TO MAINTAIN ALL STOP BARS AND ROUTE 9 OFF-RAMP MARKINGS AND SIGNS.
- TOWN OF BERLIN TO MAINTAIN OTHER PAVEMENT MARKINGS ON CHRISTIAN LANE.
- EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF BERLIN.
- (W) 30" X 30" HANDHOLE.
- (N) IP CAMERA MOUNTED ON 14" ALUMINUM PEDESTAL.
- (O) MIOVISION 360-CAMERA MOUNTED ON 20" ALUMINUM PEDESTAL.
- (P) IP CAMERA MOUNTED ON 20" ALUMINUM PEDESTAL.
- CAT 5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

SPAN POLE INFORMATION

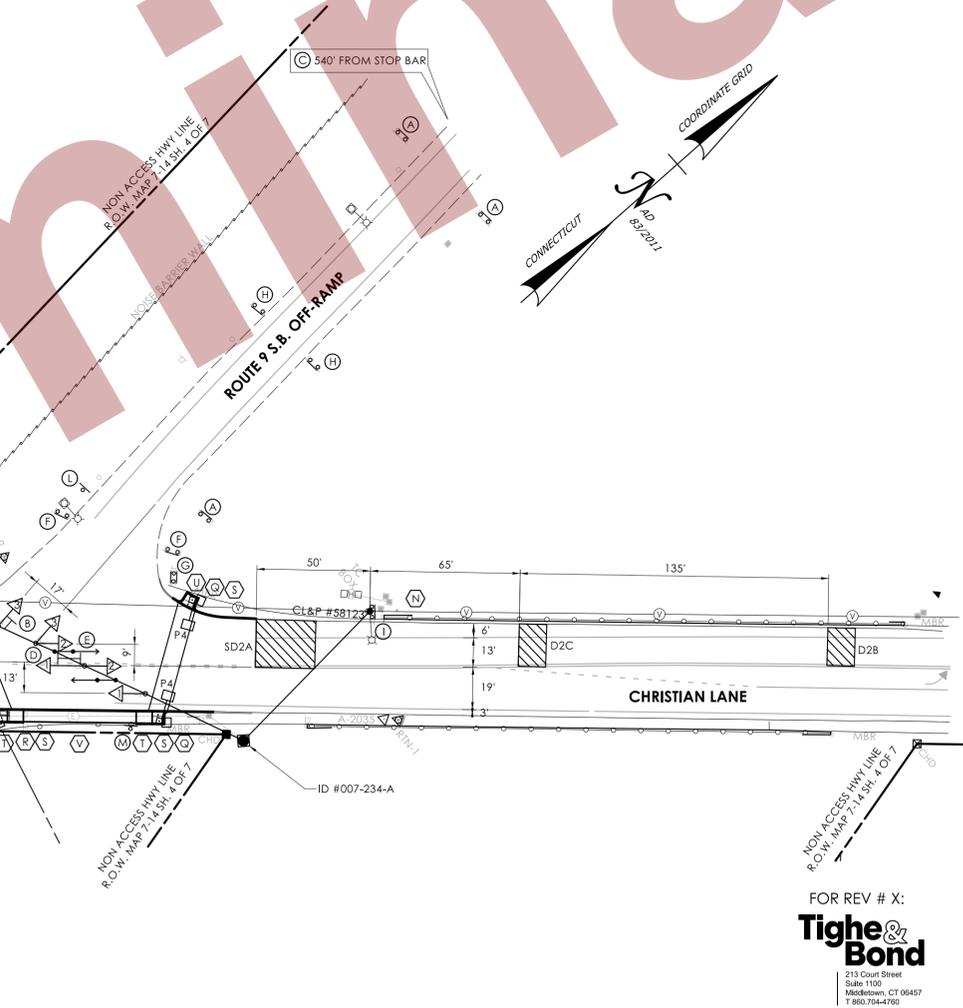
ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
007-234-A	30'	20"	7800	2013



TECHNICAL NOTES				OFFICE RECORD			
STANDARD OVERLAP SKIP FEATURES APPLY.				REV # 9 TIR # N/A SM # N/A SIGNAL REVISED: 03/02/2022			
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.				TRAFFIC & ELECT. DES: TRAFFIC SIGNALS UNIT REVISED SIGNAL FACES 1 AND 2 TO HAVE VERTICAL GREEN ARROWS			
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.				AND REVISED BACKPLATES FOR SIGNAL FACE 2 UNDER PROJECT NO. 0171-0449.			
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.				REV # 10 TIR # N/A SM # N/A SIGNAL REVISED: 11/13/2024			
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.				REPLACED PEDESTAL IN SW CORNER WITH 20' PEDESTAL, REPLACED LOOPS WITH CAMERAS, AND REVISED PHASE 4 MODE BY SIGNAL LAB.			
				REV # TIR # SM# SIGNAL REVISED:			
				INSTALLED CROSSWALK ON CHRISTIAN LANE EAST LEG, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND			
				REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.			



- #### CONSTRUCTION NOTES:
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
 - STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
 - THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
 - REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
 - INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
 - COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
 - MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.



FOR REV # X:
Tighe & Bond
213 Court Street
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Middletown, CT 06457
T 860.704-4760

REV #	DATE	DESCRIPTION	INTERSECTION # 007-234



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

ROUTE 9 S.B. OFF-RAMP AT CHRISTIAN LANE
TOWN(S): BERLIN

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**
PROJECT NO.: **0171-0514**
DRAWING NO.: **TCS-01**
SHEET NO.:

MOVEMENT DIAGRAM																			
NTOR	PHASE 1 PRE-EMPT 1		PHASE 2 PRE-EMPT 2		PHASE 3		PHASE 4 PRE-EMPT 3		PHASE 5 PRE-EMPT 2		PHASE 6 PRE-EMPT 1		PHASE 7 PRE-EMPT 3		PHASE 8		PHASE 9		
NONE	[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]		[Diagram]		
FACE #	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
1	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
2	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
3	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
4	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
5	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
6	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
7	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
8	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←
P4	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←

DETECTORS		SYSTEM LOC		COORDINATION TYPE: CLOSED LOOP		PROGRAM		OFFSET	
IDNT	SIZE (WxL)*	TYPE	MODE	MASTER	FUNCTION	TIME	DAYS	CYCLE	SEC %
D1	8' X 46'	VIDEO-360	PRESNCE	017-272	FLASH	NONE			
D2	10' X 25'	VIDEO-IP	PRESNCE	017-201					
D2A	10' X 25'	VIDEO-IP	PRESNCE	017-204					
D2B	10' X 25'	VIDEO-IP	PRESNCE	017-261					
D2C	10' X 25'	VIDEO-IP	PRESNCE	017-269					
D3	8' X 39'	VIDEO-360	PRESNCE	017-270					
D4	SEE PLAN	VIDEO-360	PRESNCE	017-271					
D5	8' X 46'	VIDEO-360	PRESNCE	017-273					
D6	10' X 25'	VIDEO-IP	PRESNCE	017-274					
D6A	10' X 25'	VIDEO-IP	PRESNCE	109-227					
D6B	10' X 25'	VIDEO-IP	PRESNCE						
D6C	10' X 25'	VIDEO-IP	PRESNCE						
D7	8' X 39'	VIDEO-360	PRESNCE						
D8	SEE PLAN	VIDEO-360	PRESNCE						
SD2	10' X 25'	VIDEO-360	PRESNCE						
SD2A	10' X 25'	VIDEO-360	PRESNCE						
SD6	10' X 25'	VIDEO-360	PRESNCE						
SD6A	10' X 25'	VIDEO-360	PRESNCE						

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

SIGN LEGEND

- (A) EXISTING 31-02822
- (B) EXISTING SPAN MTD. 31-0135
- (C) EXISTING 31-0307
- (D) EXISTING 41-0836
- (E) EXISTING 31-1120
- (F) EXISTING 31-1536
- (G) INSTALL 31-1625
- (H) INSTALL 31-1626

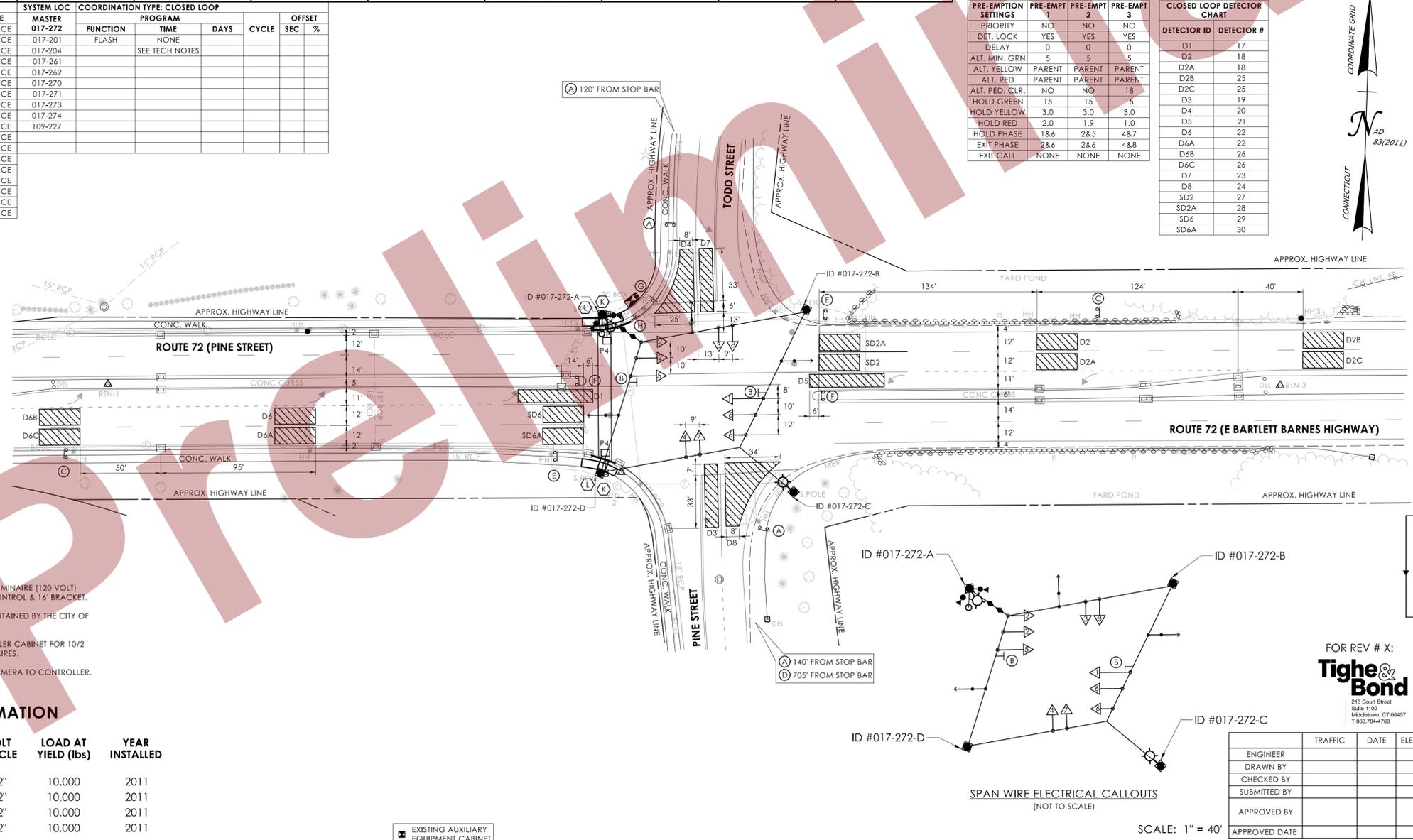
NOTES:

- LUMINAIRES - 250 W. HPS ROADWAY LUMINAIRE (120 VOLT) (FULL CUTOFF, TYPE III) WITH PHOTO CONTROL & 1/8" BRACKET.
- PRE-EMPTION TO BE OWNED AND MAINTAINED BY THE CITY OF BRISTOL.
- 20 AMP CIRCUIT BREAKER IN CONTROLLER CABINET FOR 10/2 CABLE PROVIDING SERVICE TO LUMINAIRES.
- CAT 5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.
- (W) 30" X 30" HANDHOLE.

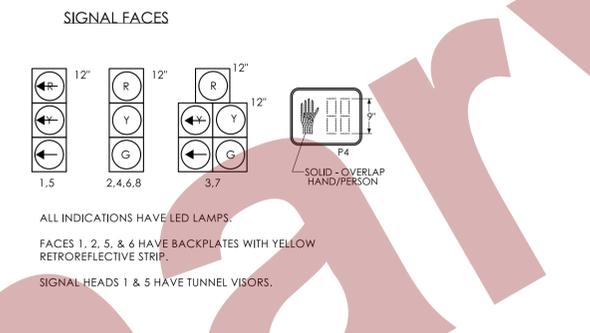
SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
017-272-A	32'	22"	10,000	2011
017-272-B	32'	22"	10,000	2011
017-272-C	32'	22"	10,000	2011
017-272-D	32'	22"	10,000	2011

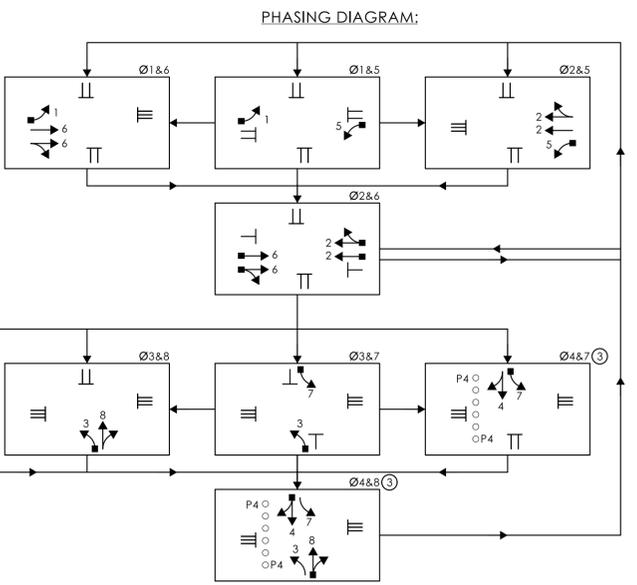
REV.	DATE	DESCRIPTION



TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # 3 TIR # N/A SM # N/A SIGNAL REVISED: 03/08/2022	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.		TRAFFIC & ELECT. DES: TRAFFIC SIGNALS UNIT	
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		REVISED BACKPLATES FOR SIGNAL FACE 1, 2, 5 AND 6 &	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		REVISED SIGNAL FACE 1 AND 5 TO HAVE LEFT RED ARROW UNDER STATE PROJECT NO. 0171-0449.	
ARTERY DETECTION TO BE NON-ACTUATING DURING COORDINATION.		REV # 4 TIR # N/A SM # N/A SIGNAL REVISED: 09/27/2023	
TIMINGS SHOWN REFLECT FREE OPERATION.		LOOPS REPLACED WITH CAMERAS BY TRAFFIC SIGNAL LAB.	
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.		REV # TIR # SM # SIGNAL REVISED:	
SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN TIMINGS CALLED DURING PATTERNS 1, 2, 4, AND 5.		INSTALLED CROSSWALK ON ROUTE 72 WEST LEG. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS AND REPLACED SIDE STREET GREEN WITH CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.	



PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3	CLOSED LOOP DETECTOR CHART	
PRIORITY	NO	NO	NO	D1	17
DET. LOCK	YES	YES	YES	D2	18
DELAY	0	0	0	D2A	18
ALT. MIN. GRN	5	5	5	D2B	25
ALT. YELLOW	PARENT	PARENT	PARENT	D2C	25
ALT. RED	PARENT	PARENT	PARENT	D3	19
ALT. PED. CLR.	NO	NO	18	D4	20
HOLD GREEN	15	15	15	D5	21
HOLD YELLOW	3.0	3.0	3.0	D6	22
HOLD RED	2.0	1.9	1.0	D6A	22
EXIT PHASE	1&6	2&5	4&7	D6B	26
EXIT CALL	NONE	NONE	NONE	D6C	26
				D7	23
				D8	24
				SD2	27
				SD2A	28
				SD4	29
				SD6A	30



ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 017-272	

DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
TRAFFIC CONTROL SIGNAL PLAN	0171-0514	TCS-04

MOVEMENT DIAGRAM																															
NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9						
✓																															
	FLASH	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE #	1	Y																													
	2	Y																													
	3	Y																													
	4	R																													
	5	R																													
	6	R																													
	P2/P2A	OFF																													
	P4/P4A	OFF																													
	P5	OFF																													

DETECTORS										
IDENT	SIZE (WxL)*	TYPE	MODE	SYSTEM LOC	COORDINATION TYPE: NONE	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET
D2	13' X 5'	VIDEO-HP	PRESENCE							
D2A	13' X 5'	VIDEO-HP	PRESENCE							
D4	SEE PLAN	VIDEO-360	PRESENCE			FLASH	NONE	ALL OTHER TIMES	DAILY	
D5	SEE PLAN	VIDEO-360	PRESENCE			MAX 1	1500-1800	M-F		
SD2	15' X 15'	VIDEO-360	PRESENCE			MAX 2				
SD2A	13' X 15'	VIDEO-360	PRESENCE							

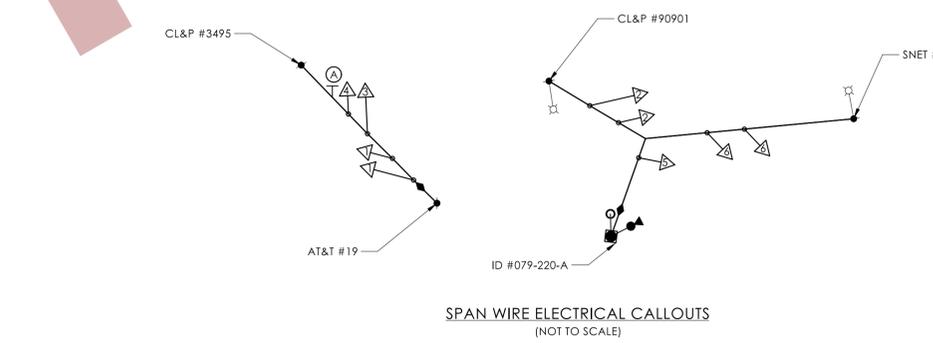
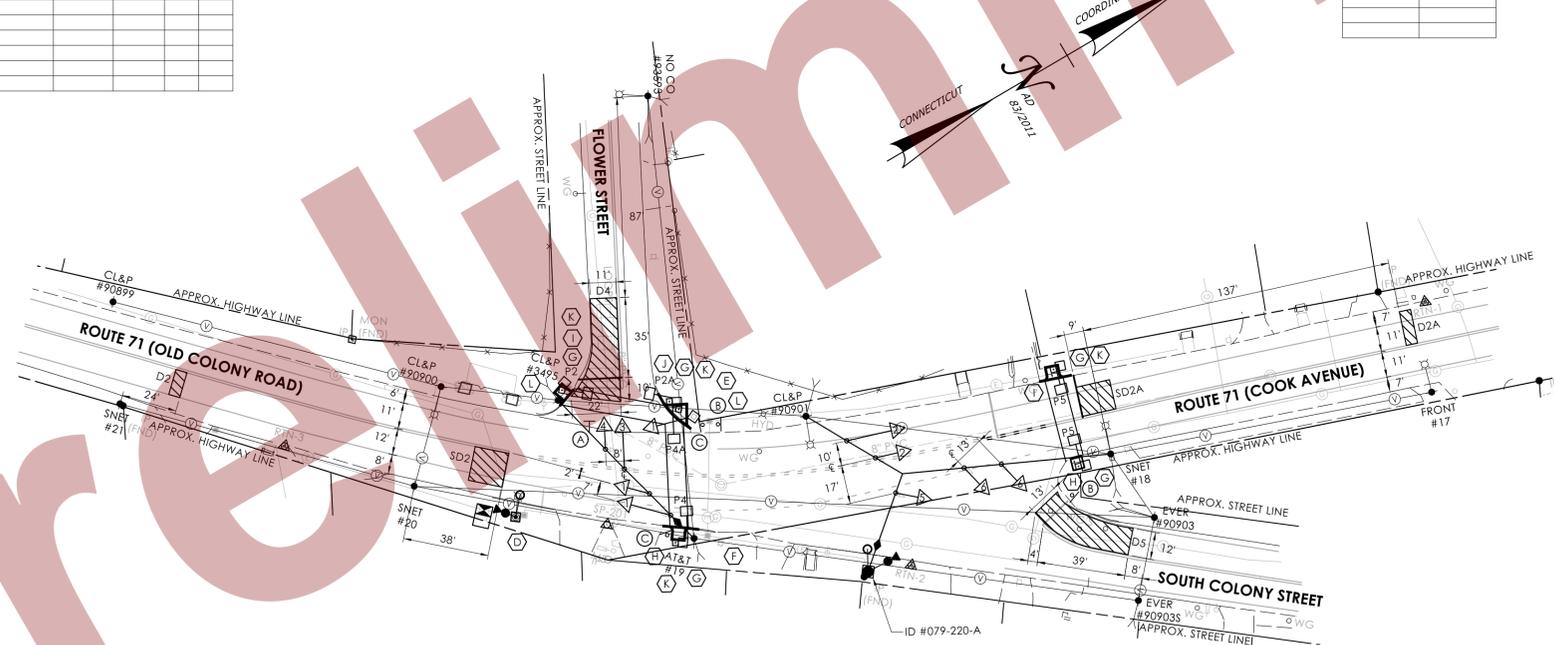
* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

- SIGN LEGEND**
- (A) EXISTING SPAN MTD. 31-0823
 - (B) INSTALL 31-1625
 - (C) INSTALL 31-1626

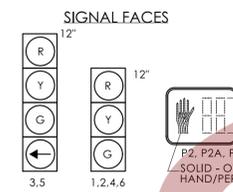
- NOTES:**
- STATE TO MAINTAIN ALL STOP BARS AND ROUTE 71 PAVEMENT MARKINGS.
 - CITY OF MERIDEN TO MAINTAIN ALL OTHER PAVEMENT MARKINGS ON FLOWER STREET AND SOUTH COLONY STREET.
 - 20' PEDESTAL.
 - CAT SE CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.
 - 30" X 30" HANDHOLE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
079-220-A	30'	20"	7,800	2013



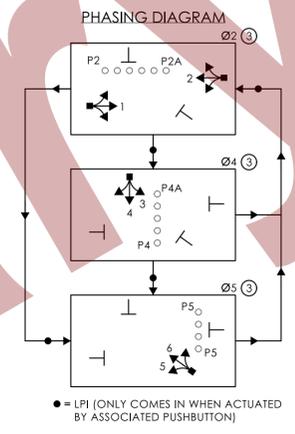
TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # 6 TIR #079-1202-01 SM # N/A SIGNAL REVISED: 01/16/2014	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.		SIGNAL REPLACED UNDER PROJECT #171-352; ADDED SOUTH COLONY STREET TO SIGNAL OPERATION.	
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		AS-BUILT PLAN DRAWN: 04/2014	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		REV # 7 TIR # SM # N/A SIGNAL REVISED: 02/07/2025	
④ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "FLOWER. WALK SIGN IS ON TO CROSS FLOWER." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.		INSTALLED 20' PEDESTAL AND REPLACED LOOPS WITH CAMERAS BY SIGNAL LAB.	
⑤ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTON. SPEECH MESSAGE "COOK. WALK SIGN IS ON TO CROSS COOK." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.		REV # TIR # SM # SIGNAL REVISED:	
		INSTALLED CROSSWALKS ON ROUTE 71 NORTH AND SOUTH LEG AND FLOWER STREET WEST LEG. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.	



ALL INDICATIONS HAVE LED LAMPS.
FACE 5 HAS TUNNEL VISORS AND 7° CUTOFF RIGHT LOUVERS.
LEFT MOST FACE 2 HAS 7° CUTOFF LEFT LOUVERS.

CLOSED LOOP DETECTOR CHART

DETECTOR ID	DETECTOR #
D2	2
D2A	2
D4	4
D5	5
SD2	-
SD2A	-



- CONSTRUCTION NOTES:**
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
 - STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
 - THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
 - REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
 - INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
 - COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
 - MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
 - (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE PEDESTAL WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
 - (E) REMOVE EXISTING 8' 3 SECTION SIGNAL HEAD & PUSHBUTTON ON PEDESTAL.
 - (F) REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
 - (G) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (H) INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET.
 - (I) INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET. INSTALL 12" CURB AND REGRADE BACK OF WALK TO MEET EXISTING GRADE.
 - (J) INSTALL 10' X 10' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET.
 - (K) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
 - (L) REMOVE VEGETATION AS NEEDED OR AS DIRECTED BY THE ENGINEER TO INSTALL PEDESTRIAN SIGNALS ON FLOWER STREET CORNERS. WORK TO BE PAID UNDER ITEM #0201001 - CLEARING AND GRUBBING.

- PAVEMENT MARKING NOTES:**
- INSTALL NEW STOP BAR ON ROUTE 71 NORTH LEG APPROXIMATELY 38' BACK FROM THE EXISTING STOP BAR AND EXTEND DOUBLE YELLOW DOTTED EXTENSION LINE. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
 - INSTALL NEW STOP BAR ON FLOWER STREET WEST LEG APPROXIMATELY 5' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
 - INSTALL NEW CROSSWALK ACROSS ROUTE 71 NORTH/SOUTH LEG AND FLOWER STREET WEST LEG AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALK.
 - INSTALL 31' YELLOW DOTTED EXTENSION LINE (2' LINES, 4' SPACING) ON ROUTE 71 NORTH LEG AS SHOWN. ERADICATE ALL CONFLICTING DOUBLE YELLOW LANE LINES.

FOR REV # X:
Tighe & Bond
213 Court Street
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Middletown, CT 06457
T 860.704-4760

TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 079-220
ENGINEER					
DRAWN BY					
CHECKED BY					
SUBMITTED BY					
APPROVED BY					
APPROVED DATE					

LEGEND: FL. FLASHING; R. RED; Y. YELLOW; G. GREEN; W. WALK; D.W. DON'T WALK; DET. LEADS IN SAW CUT; PROPOSED RMC; EXISTING RMC; VIDEO CAMERA CABLE; RADAR CABLE; PROPOSED SUPPORT STRUCTURE; EXISTING STEEL SPAN POLE; PROPOSED UTILITY POLE; EXISTING UTILITY POLE; EXISTING WOOD SPAN POLE; PEDESTAL MOUNTING; PEDESTAL MOUNTED RRFB; PEDESTRIAN PUSH BUTTON & SIGN; DIRECTIONAL ARW. FOR PUSH BUTTON; PEDESTRIAN SIGNAL FACE; TRAFFIC SIGNAL FACE; PROPOSED HANDHOLE; EXISTING HANDHOLE; PROPOSED CONTROLLER; EXISTING CONTROLLER; AUXILIARY EQUIPMENT CABINET; OPTICAL DETECTOR; IP VIDEO DETECTOR; RADAR DETECTOR; THERMAL DETECTOR; AUDIO DETECTOR; 360° CAMERA ASSEMBLY; VIDEO-RADAR DETECTOR; DETECTION ZONE; LOOP DETECTOR; RADIO ANTENNA; POLE ANCHOR.

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

ROUTE 71 (OLD COLONY RD.) & ROUTE 71 (COOK AVE) AT FLOWER ST & SOUTH COLONY ST.
TOWN: MERIDEN

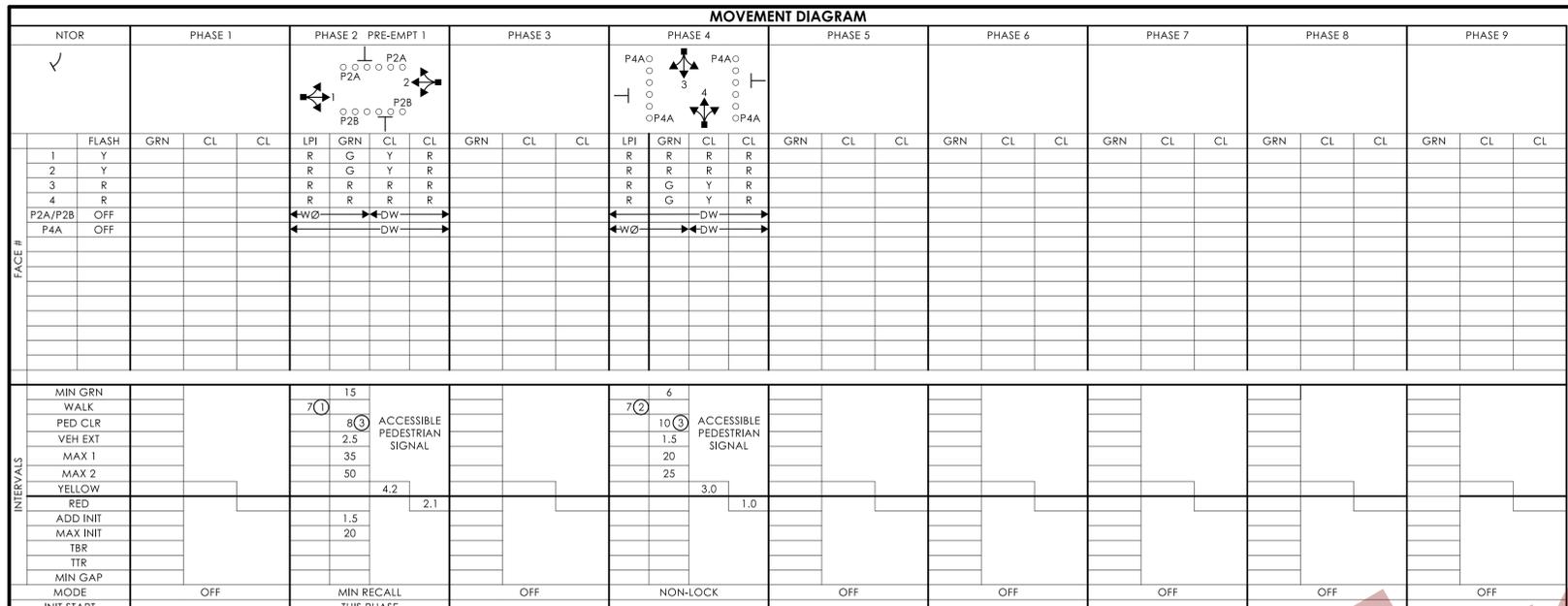
DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO.: **0171-0514**

DRAWING NO.: **TCS-06**

SHEET NO.:

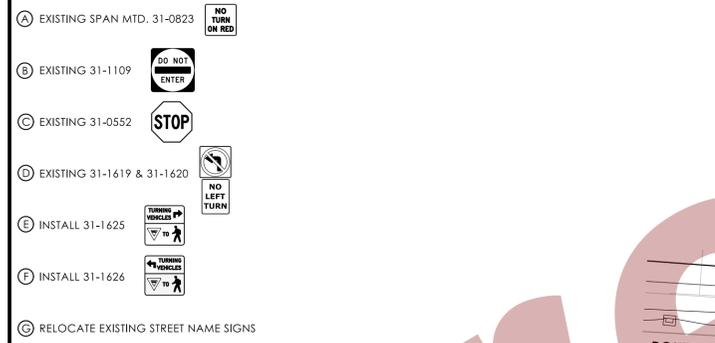
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PLOTTED DATE: 1/13/2026



INTERVALS	PHASE 1		PHASE 2		PHASE 3		PHASE 4		PHASE 5		PHASE 6		PHASE 7		PHASE 8		PHASE 9	
	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK
WALK			7.0	15			7.0	6										
PED CLR			8.0	3			10.0	1.5										
VEH EXT			2.5				1.5											
MAX 1			35				20											
MAX 2			50				25											
YELLOW				4.2				3.0										
RED					2.1				1.0									
ADD INIT				1.5														
MAX INIT				20														
TBR																		
TTR																		
MIN GAP																		
MODE	OFF			MIN RECALL			NON-LOCK		OFF									

DETECTORS	ID	SIZE (WxL)	TYPE	MODE	SYSTEM LOC	COORDINATION TYPE: NONE					
						MASTER	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET
D2	D2	11' X 5'	VIDEO-IP	PRESENCE		FLASH	NONE				
D2A	D2A	11' X 5'	VIDEO-IP	PRESENCE		MAX 1	ALL OTHER TIMES				
D2B	D2B	11' X 5'	VIDEO-IP	PRESENCE		MAX 2	0700-0900	DAILY			
D2C	D2C	11' X 5'	VIDEO-IP	PRESENCE		MAX 2	1500-1800				
D4	D4	13' X 35'	VIDEO-360	PRESENCE							
D4A	D4A	SEE PLAN	VIDEO-360	PRESENCE							
SD2	SD2	11' X 15'	VIDEO-360	PRESENCE							
SD2A	SD2A	11' X 15'	VIDEO-360	PRESENCE							

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.



NOTES:

STATE TO MAINTAIN PAVEMENT MARKINGS ON ROUTE 17 AND STOP BAR ON WARD ST.

CITY OF MIDDLETOWN TO MAINTAIN CENTERLINE ON WARD ST.

PROPERTY OWNER TO MAINTAIN CENTERLINE AND STOP BAR ON COMMERCIAL DRIVEWAY.

CITY OF MIDDLETOWN TO OWN AND MAINTAIN EMERGENCY PRE-EMPTION EQUIPMENT.

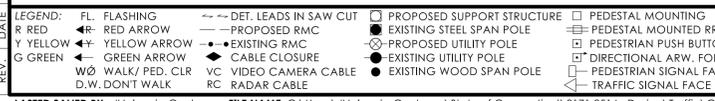
CROSSWALK IS BAR TYPE.

CAT 5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

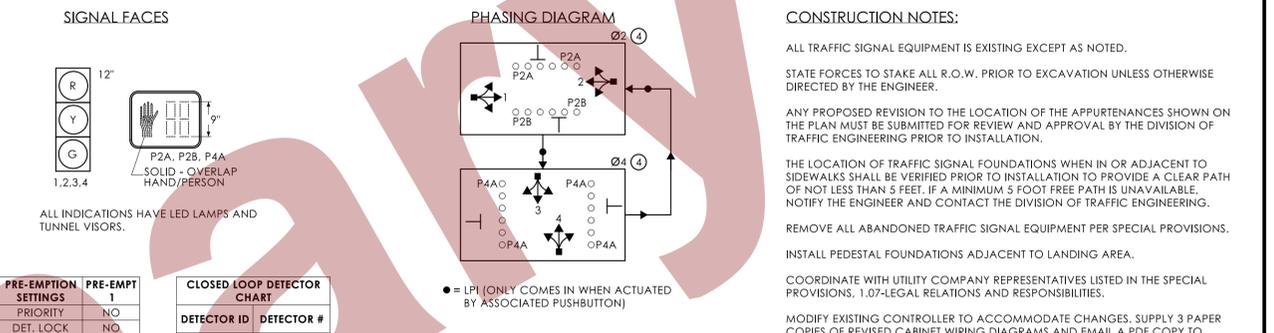
(W) 30" X 30" HANDHOLE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
082-220-A	28'	20"	6,100	2007



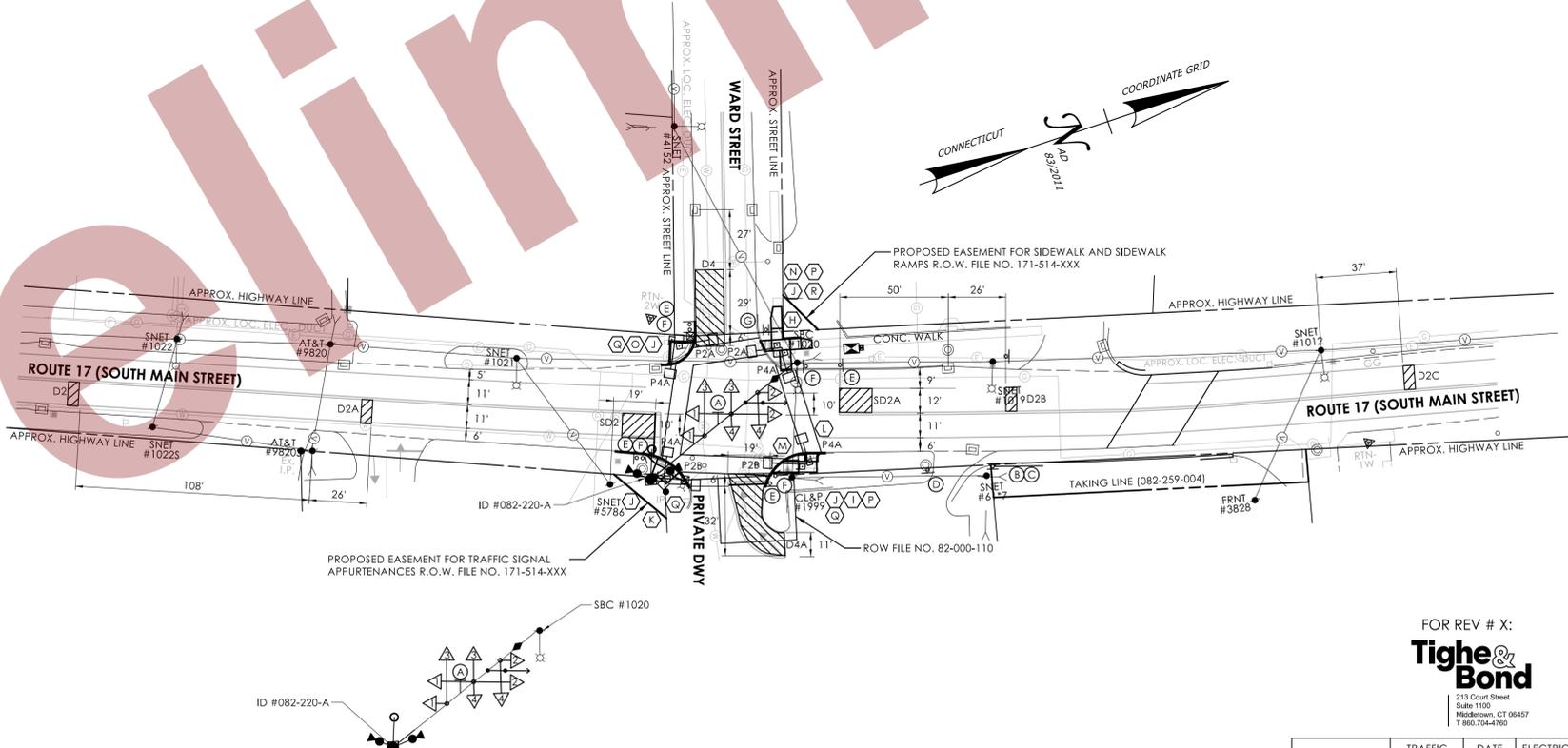
TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY.	REV # 7 TIR # N/A SM # 101592 SIGNAL REVISED: 10/22/2018
① SPEECH MESSAGE "WARD, WALK SIGN IS ON TO CROSS WARD." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTONS. SPEECH MESSAGE "DRIVEWAY, WALK SIGN IS ON TO CROSS DRIVEWAY." DURING PEDESTRIAN WALK INTERVAL FOR P2B BUTTONS.	REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.
② SPEECH MESSAGE "SOUTH MAIN, WALK SIGN IS ON TO CROSS SOUTH MAIN." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTONS.	REV # 8 TIR # N/A SM # N/A SIGNAL REVISED: 02/07/2025
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	LOOPS REPLACED WITH CAMERAS BY SIGNAL LAB.
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.	REV # TIR # SM# SIGNAL REVISED:
	INSTALLED CROSSWALKS ON ALL LEGS OF THE INTERSECTION. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.



PRE-EMPTION SETTINGS		CLOSED LOOP DETECTOR CHART	
PRIORITY	NO	DETECTOR ID	DETECTOR #
DET. LOCK	NO	D2	2
DELAY	0	D2A	2
ALT. MIN. GRN	5	D2B	2
ALT. YELLOW	PARENT	D2C	2
ALT. RED	PARENT	D4	4
ALT. PED. CLR.	8	D4A	4
HOLD GREEN	15	SD2	-
HOLD YELLOW	4.2	SD2A	-
HOLD RED	2.1		
HOLD PHASE	2		
EXIT PHASE	4		
EXIT CALL	NONE		

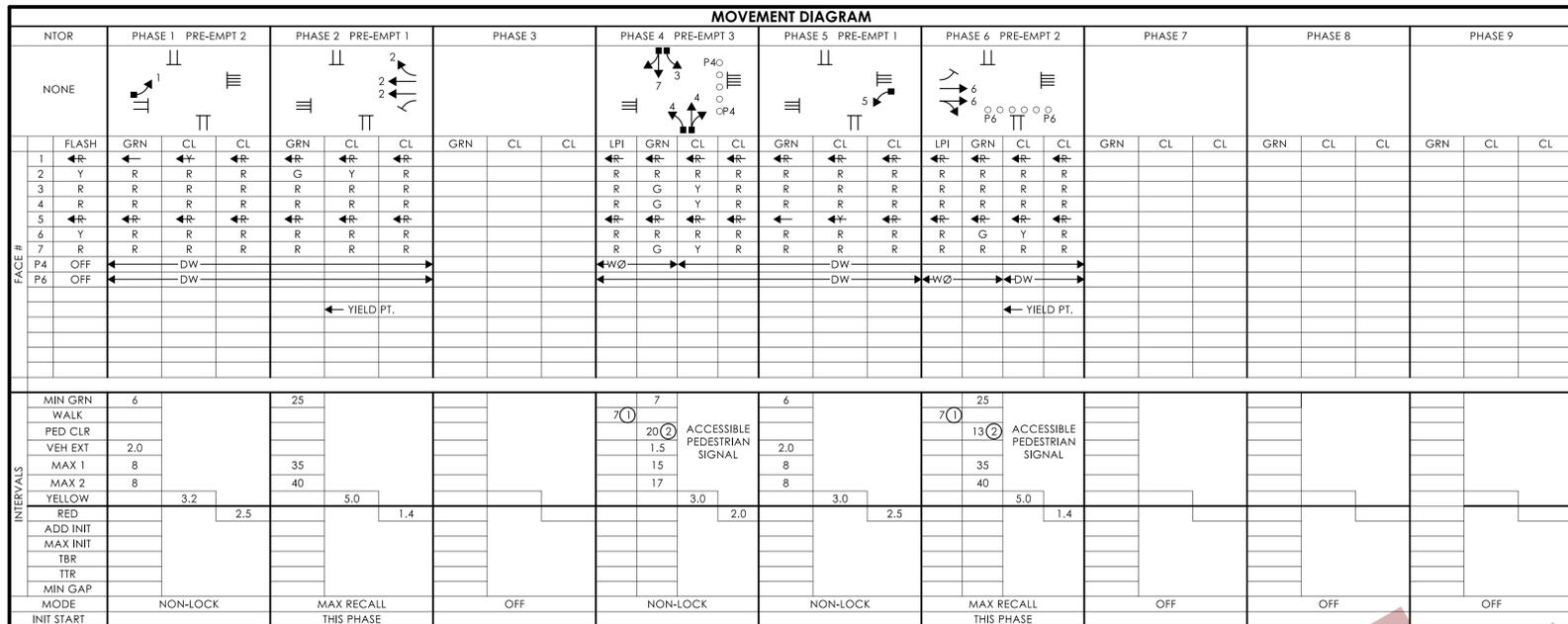
- ### CONSTRUCTION NOTES:
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - (H) REMOVE EXISTING 8' 3 SECTION SIGNAL HEAD, PUSHBUTTON, PEDESTAL, AND PEDESTAL FOUNDATION.
 - (I) REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
 - (J) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (K) INSTALL TYPE 5 SIDEWALK RAMP PER GUIDE SHEET.
 - (L) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
 - (M) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
 - (N) INSTALL TYPE 19 SIDEWALK RAMP PER GUIDE SHEET.
 - (O) INSTALL 10' X 10' CONCRETE LANDING AREA WITH DETECTABLE WARNING SURFACE PER GUIDE SHEET.
 - (P) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.
 - (Q) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
 - (R) REMOVE VEGETATION AS NEEDED OR AS DIRECTED BY THE ENGINEER TO WIDEN EXISTING SIDEWALK TO 5' WIDE MINIMUM. WORK TO BE PAID UNDER ITEM #0201001 - CLEARING AND GRUBBING.

- ### PAVEMENT MARKING NOTES:
- INSTALL NEW STOP BAR ON ROUTE 17 SOUTH LEG APPROXIMATELY 3' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW STOP BAR ON COMMERCIAL DRIVEWAY APPROXIMATELY 2' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS ALL LEGS OF THE INTERSECTION AS SHOWN. ERADICATE EXISTING CROSSWALK AND ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



FOR REV # X:
Tighe & Bond
213 Court Street
Suite 1103
Middletown, CT 06457
T 860.704-4760

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 082-220	



INTERVALS	MIN GRN		25		7		6		7		25	
	WALK	CL	WALK	CL	WALK	CL	WALK	CL	WALK	CL	WALK	CL
VEH EXT	2.0				20	2	1.5		13	2	1.5	
MAX 1	8				15		8		35		8	
MAX 2	8				17		8		40		8	
YELLOW		3.2		2.5		5.0		1.4		3.0		2.0
RED												
ADD INIT												
MAX INIT												
TBR												
TTR												
MIN GAP												
MODE	NON-LOCK		MAX RECALL THIS PHASE		OFF		NON-LOCK		NON-LOCK		MAX RECALL THIS PHASE	
INIT START												

DETECTORS		SYSTEM LOC		COORDINATION TYPE: T.C./T.B.C.					
IDENT	SIZE (WxL)*	TYPE	MODE	MASTER	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET
D1	8' X 49'	VIDEO-360	2' DELAY	082-209	FLASH	NONE			
D4	8' X 43'	VIDEO-360	PRESENCE	082-204	FLASH	NONE			
D4A	8' X 43'	VIDEO-360	8' DELAY	082-208	MAX 1	ALL OTHER TIMES			
D4B	8' X 43'	VIDEO-360	PRESENCE	082-202	MAX 2	1530 - 1830	M-F		
D4C	SEE PLAN	VIDEO-360	8' DELAY	082-250	PATTERN 1	ALL OTHER TIMES		75"	39 52
D5	8' X 49'	VIDEO-360	2' DELAY	082-253	PATTERN 2	1530 - 1830	DAILY	90"	48 53
SD2	32' X 16'	VIDEO-360	PRESENCE		FREE	FUTURE			
SD6	21' X 16'	VIDEO-360	PRESENCE						

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

SIGN LEGEND

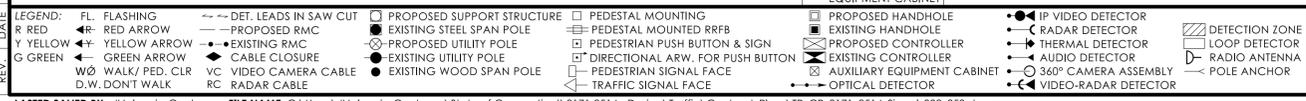
- (A) EXISTING SPAN MTD. 31-0135
- (B) EXISTING SPAN MTD. 31-0138
- (C) EXISTING 31-0282Z
- (D) EXISTING 31-0307
- (E) EXISTING 31-0445
- (F) EXISTING 31-0552Z
- (G) INSTALL 31-1625
- (H) INSTALL 31-1626

NOTES:

- STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON ROUTE 66.
- STATE TO MAINTAIN ALL STOP BARS EXCEPT ON ROUTE 6A.
- DEVELOPER TO MAINTAIN DRIVEWAY PAVEMENT MARKINGS.
- CITY OF MIDDLETOWN TO MAINTAIN ALL OTHER PAVEMENT MARKINGS.
- CITY OF MIDDLETOWN TO OWN AND MAINTAIN PRE-EMPTION EQUIPMENT.

SPAN POLE INFORMATION

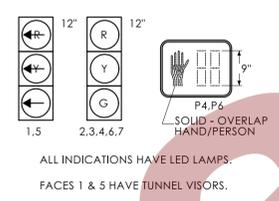
ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
082-250-A	32'	22"	10,000	2007
082-250-B	32'	22"	10,000	2007
082-250-C	32'	22"	10,000	2007



LEGEND: FL. FLASHING; R. RED; Y. YELLOW; G. GREEN; W/O. WALK; P. PED. CL. CL. CLOSURE; D.W. DONT WALK; DET. LEADS IN SAW CUT; PROPOSED RMC; EXISTING RMC; VIDEO CAMERA CABLE; VIDEO CAMERA; PROPOSED SUPPORT STRUCTURE; EXISTING STEEL SPAN POLE; PROPOSED UTILITY POLE; EXISTING UTILITY POLE; EXISTING WOOD SPAN POLE; PEDESTAL MOUNTING; PEDESTAL MOUNTED RFB; PEDESTRIAN PUSH BUTTON & SIGN; DIRECTIONAL ARW. FOR PUSH BUTTON; PEDESTRIAN SIGNAL FACE; TRAFFIC SIGNAL FACE; PROPOSED HANDHOLE; EXISTING HANDHOLE; PROPOSED CONTROLLER; EXISTING CONTROLLER; AUXILIARY EQUIPMENT CABINET; OPTICAL DETECTOR; IP VIDEO DETECTOR; RADAR DETECTOR; THERMAL DETECTOR; AUDIO DETECTOR; 360° CAMERA ASSEMBLY; VIDEO-RADAR DETECTOR; DETECTION ZONE; LOOP DETECTOR; RADIO ANTENNA; POLE ANCHOR.

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY.	REV # 5 TIR # N/A SM # N/A SIGNAL REVISED: 10/22/18
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.	REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.	REV # TIR # SM# SIGNAL REVISED:
	INSTALLED CROSSWALKS ON ROUTE 66 EAST LEG AND ON DRIVEWAY SOUTH LEG, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.

SIGNAL FACES



PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3
PRIORITY	NO	NO	NO
DET. LOCK	YES	YES	YES
DELAY	0	0	0
ALT. MIN. GRN	5	5	5
ALT. YELLOW	PARENT	PARENT	PARENT
ALT. RED	PARENT	PARENT	PARENT
ALT. PED. CLR.	NO	13	20
HOLD GREEN	15	15	15
HOLD YELLOW	5.0	5.0	3.0
HOLD RED	2.5	2.5	2.0
HOLD PHASE	2 & 5	1 & 4	4
EXIT PHASE	2 & 6	2 & 6	1 & 5
EXIT CALL	NONE	NONE	NONE

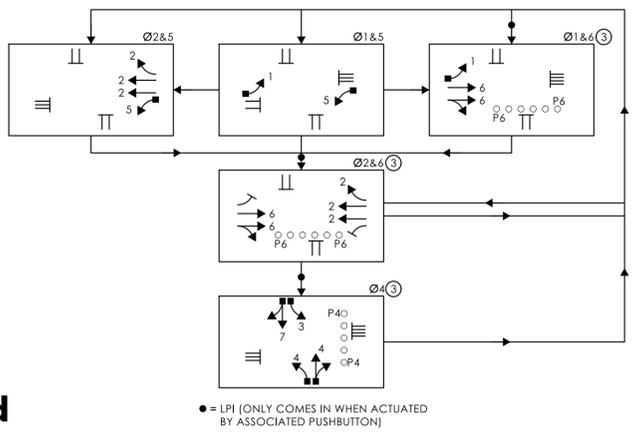
CONSTRUCTION NOTES:

- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
- (J) REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (L) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #082-250-A.
- INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
- (K) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (L) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
- (M) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
- (N) INSTALL TYPE 14 SIDEWALK RAMP PER GUIDE SHEET.
- (O) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMP(S) WITH EXISTING SIDEWALK.
- (P) REMOVE VEGETATION AS NEEDED OR AS DIRECTED BY THE ENGINEER TO INSTALL SIDEWALK ON THE NORTHEAST CORNER OF THE INTERSECTION. WORK TO BE PAID UNDER ITEM #0201001 - CLEARING AND GRUBBING.
- (Q) REMOVE VEGETATION AS NEEDED OR AS DIRECTED BY THE ENGINEER TO INSTALL SIDEWALK AND TRAFFIC EQUIPMENT ON THE SOUTHEAST CORNER OF THE INTERSECTION. WORK TO BE PAID UNDER ITEM #0201001 - CLEARING AND GRUBBING.

PAVEMENT MARKING NOTES:

- INSTALL NEW CROSSWALKS ACROSS ROUTE 66 EAST LEG AND DRIVEWAY SOUTH LEG AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

PHASING DIAGRAM:



FOR REV # X:
Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 082-250
DRAWN BY						
CHECKED BY						
SUBMITTED BY						
APPROVED BY						
APPROVED DATE						

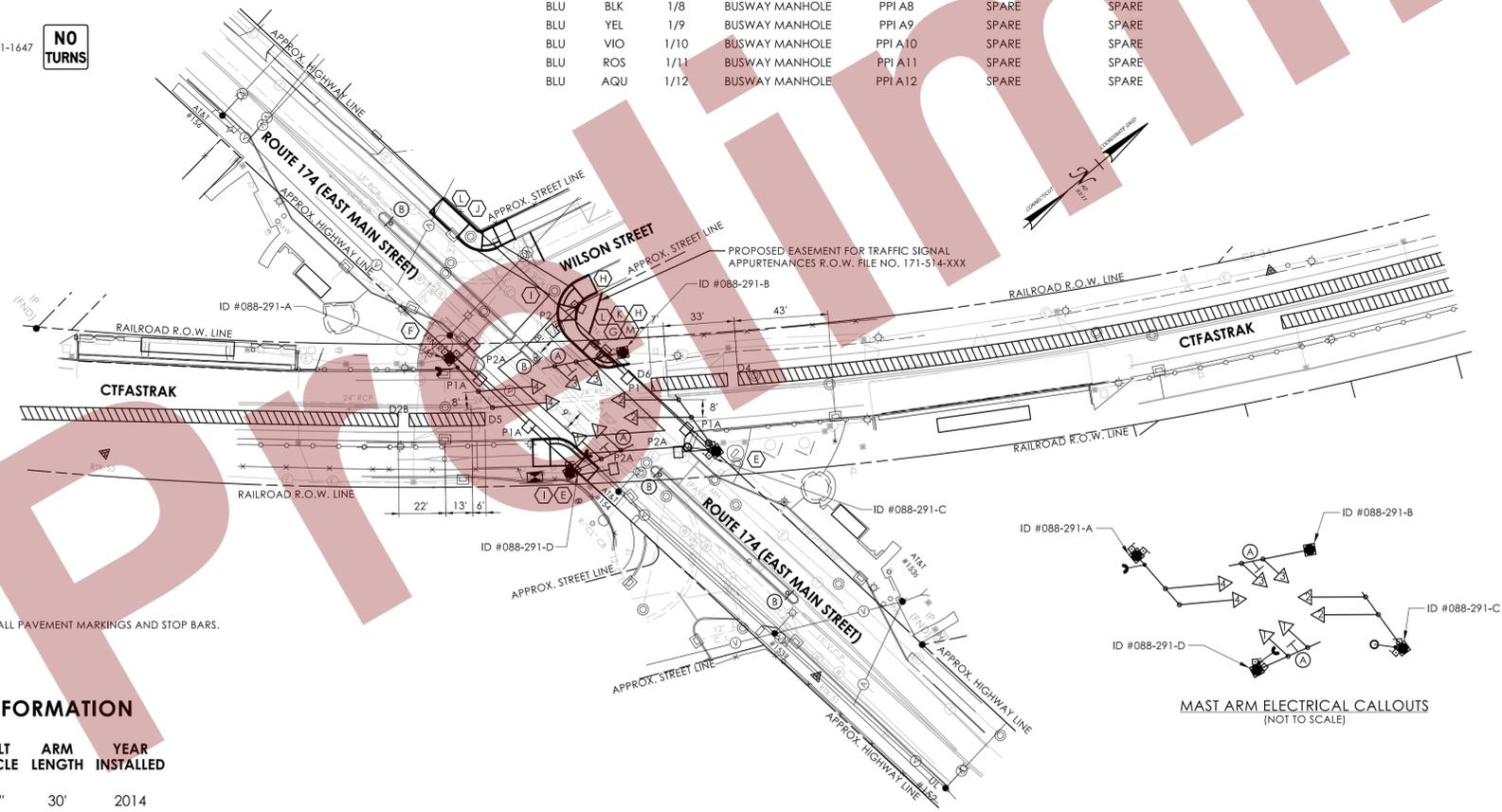
DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
TRAFFIC CONTROL SIGNAL PLAN	0171-0514	TCS-08
		SHEET NO.:

		MOVEMENT DIAGRAM																											
		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9			
FACE #	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
	1	Y	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
	2	R	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	
	3	Y	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
	4	R	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	
	P1/P1A	OFF	WØ	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
	P2/P2A	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
	MIN GRN	25	ACCESSIBLE PEDESTRIAN SIGNAL			ACCESSIBLE PEDESTRIAN SIGNAL																							
	WALK	7																											
	PED CLR	9																											
VEH EXT	6.0																												
MAX 1	25																												
MAX 2	25																												
YELLOW	3.0																												
RED	2.0																												
ADD INIT																													
MAX INIT																													
TBR																													
TTR																													
MIN GAP																													
MODE		MIN RECALL THIS PHASE			LOCK			OFF			OFF			OFF			OFF			OFF			OFF						
INIT START																													

DETECTORS		SYSTEM LOC		COORDINATION TYPE: CLOSED LOOP			
IDENT	SIZE (WxL)	TYPE	MODE	MASTER	FUNCTION	PROGRAM	OFFSET
D2A	6' X 500'	RADAR	PRESENCE	043-298	FLASH	NONE	
D2B	6' X 345'	RADAR	PRESENCE	088-292		SEE TECH NOTES	
D4	6' X 720'	RADAR	PRESENCE	088-291			
D5	6' X 35'	VIDEO-360	DELAY 4"	088-293			
D6	6' X 35'	VIDEO-360	DELAY 4"	155-264			
				063-300			
				063-301			

SIGNAL CONTROLLER FIBER ASSIGNMENT TABLE

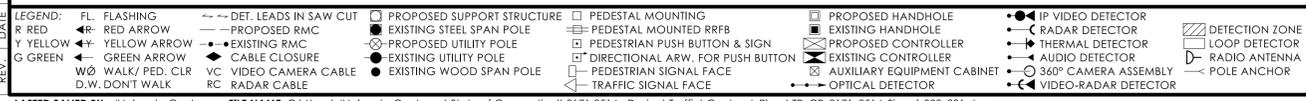
BUFFER	STRAND #	SPLICE POINT	FIBER PATCH PANEL ASSG	SITE INFO	USAGE
BLU	BLU	1/1	BUSWAY MANHOLE PPI A1	TO INT. 088-292	NETWORK SWITCH TX
BLU	ORA	1/2	BUSWAY MANHOLE PPI A2	TO INT. 088-292	NETWORK SWITCH Rx
BLU	GRN	1/3	BUSWAY MANHOLE PPI A3	TO INT. 088-293	NETWORK SWITCH TX
BLU	BRN	1/4	BUSWAY MANHOLE PPI A4	TO INT. 088-293	NETWORK SWITCH Rx
BLU	SLA	1/5	BUSWAY MANHOLE PPI A5	SPARE	SPARE
BLU	WHT	1/6	BUSWAY MANHOLE PPI A6	SPARE	SPARE
BLU	RED	1/7	BUSWAY MANHOLE PPI A7	SPARE	SPARE
BLU	BLK	1/8	BUSWAY MANHOLE PPI A8	SPARE	SPARE
BLU	YEL	1/9	BUSWAY MANHOLE PPI A9	SPARE	SPARE
BLU	VIO	1/10	BUSWAY MANHOLE PPI A10	SPARE	SPARE
BLU	ROS	1/11	BUSWAY MANHOLE PPI A11	SPARE	SPARE
BLU	AQU	1/12	BUSWAY MANHOLE PPI A12	SPARE	SPARE



NOTES:
THE STATE SHALL MAINTAIN ALL PAVEMENT MARKINGS AND STOP BARS.
Ø 30" X 30" HANDHOLE.

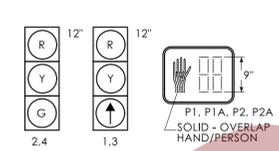
MAST ARM INFORMATION

ID #	BOLT CIRCLE	ARM LENGTH	YEAR INSTALLED
088-291-A	24"	30'	2014
088-291-B	24"	38'	2014
088-291-C	24"	32'	2014
088-291-D	24"	32'	2014



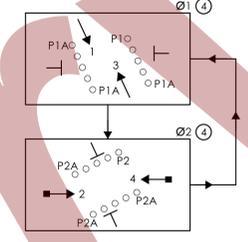
TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # 1 TIR # SM # N/A SIGNAL REVISED: 09/01/2022	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P1 BUTTON. SPEECH MESSAGE "FASTRAK. WALK SIGN IS ON TO CROSS FASTRAK." DURING PEDESTRIAN WALK INTERVAL FOR P1A BUTTONS.		TRAFFIC & ELECT. DES: TRAFFIC SIGNALS UNIT REVISED SIGNAL FACES 1 AND 3 TO HAVE VERTICAL GREEN ARROWS AND REVISED BACKPLATES FOR SIGNAL FACES 1 AND 3 UNDER PROJECT NO. 0171-0449.	
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "EAST MAIN. WALK SIGN IS ON TO CROSS EAST MAIN." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTONS.		REV # 2 TIR # N/A SM # N/A SIGNAL REVISED: 06/11/2024	
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		LOOP DETECTION ON BUSWAY REVISED TO VIDEO/RADAR DETECTION. CONNECTED VEHICLE EQUIPMENT INSTALLED.	
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		FIBER OPTIC INTERCONNECT FOR BUSWAY SIGNALS ADDED.	
DETECTORS D5 AND D6 TO CALL PHASE 2.			
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.		REV # TIR # SM # SIGNAL REVISED:	
TIMINGS SHOWN REFLECT FREE OPERATION.		INSTALLED CROSSWALKS ON ALL LEGS OF THE INTERSECTION. INSTALLED COUNTDOWN HEADS. APS PUSHBUTTONS AND REPLACED SIDE STREET GREEN WITH CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.	

SIGNAL FACES

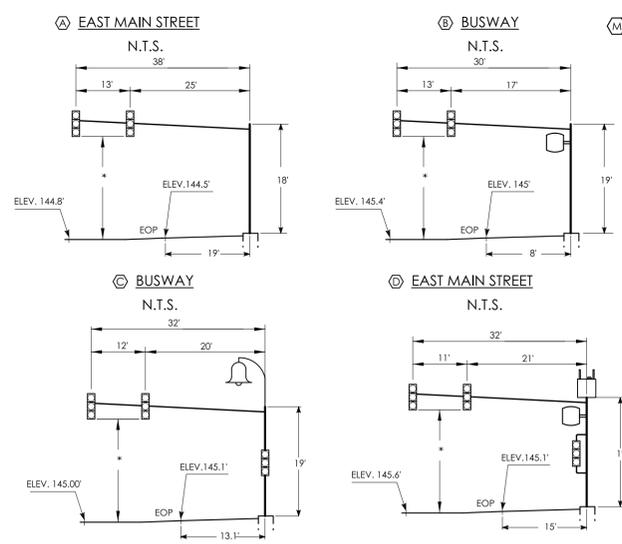
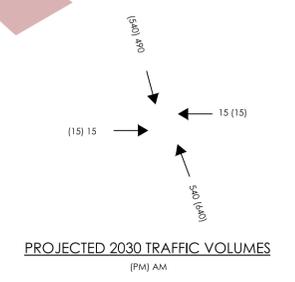


ALL INDICATIONS HAVE LED LAMPS.
FACES 1 AND 3 HAVE BACKPLATES WITH YELLOW RETROREFLECTIVE BORDER.

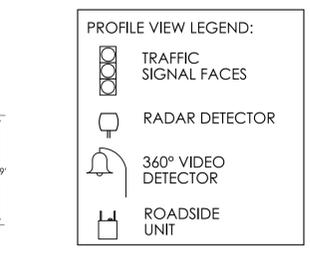
PHASING DIAGRAM:



CLOSED LOOP DETECTOR CHART	
DETECTOR ID	DETECTOR #
D2A	49
D2B	50
D4	51
D5	18
D6	22



CONSTRUCTION NOTES:
ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.



FOR REV # X:



SCALE: 1" = 40'

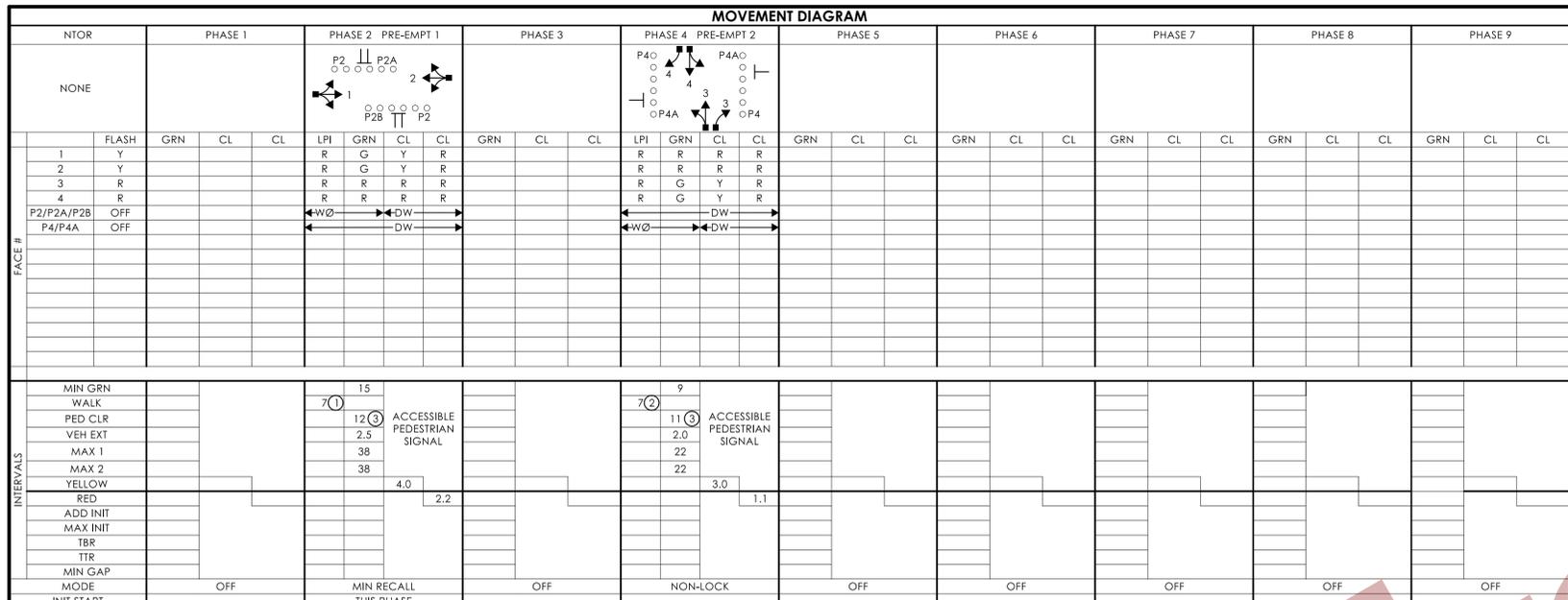
ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 088-291	
DRAWN BY						ENERGY BY - STATE	ADDRESS # 1234
CHECKED BY						MAINT LEVEL 2	SERVICE POLE - AT&T #154
SUBMITTED BY							UNMETERED SERVICE
APPROVED BY							
APPROVED DATE							



CONNECTICUT DEPARTMENT OF TRANSPORTATION

CT FASTRAK AT ROUTE 174 (EAST MAIN STREET)
TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN
PROJECT NO.: 0171-0514
DRAWING NO.: TCS-09
SHEET NO.:



INTERVALS	PHASE 1		PHASE 2		PHASE 3		PHASE 4		PHASE 5		PHASE 6		PHASE 7		PHASE 8		PHASE 9	
	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK
PED CLR																		
VEH EXT																		
MAX 1																		
MAX 2																		
YELLOW																		
RED																		
ADD INIT																		
MAX INIT																		
TBR																		
TR																		
MIN GAP																		
MODE	OFF				MIN RECALL			OFF		NON-LOCK			OFF		OFF			OFF
INIT START																		

DETECTORS SYSTEM LOC COORDINATION TYPE: NONE

IDENT	SIZE (WxL)	TURNS	MODE	SYSTEM LOC	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET SEC	OFFSET %
D2	6' X 6'	4	PRESENCE	MASTER	FLASH	NONE				
D2A	6' X 6'	3	PRESENCE							
D2B	6' X 6'	3	PRESENCE							
D2C	6' X 6'	4	PRESENCE			ALL OTHER TIMES				
D4	6' X 6'	3	8" DELAY			FUTURE				
D4A	6' X 6'	3	PRESENCE							
D4B	6' X 6'	3	PRESENCE							
D4C	8' X 6'	3	8" DELAY							
D4D	6' X 6'	3	8" DELAY							

SIGN LEGEND

- (A) EXISTING 31-0283
- (B) INSTALL 31-1625
- (C) INSTALL 31-1626
- (D) RELOCATE EXISTING STREET NAME SIGN
- (E) RELOCATE EXISTING 31-0283



NOTES:

STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON ROUTE 176 AND ALL STOP BARS.

TOWN OF NEWINGTON TO MAINTAIN ALL SIGNS AND OTHER PAVEMENT MARKINGS ON MOUNTAIN ROAD AND NORTH MOUNTAIN ROAD.

EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF NEWINGTON.

(W) 30" X 30" HANDHOLE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
093-239-A	30'	20"	7,800	2013
093-239-B	30'	20"	7,800	2013
093-239-C	30'	20"	7,800	2013

SPAN WIRE ELECTRICAL CALLOUTS:
(NOT TO SCALE)

- LEGEND:**
- FL. FLASHING
 - RED ARROW
 - YELLOW ARROW
 - GREEN ARROW
 - WALK/PED. CLR
 - D.W. DONT WALK
 - DET. LEADS IN SAW CUT
 - PROPOSED RMC
 - EXISTING RMC
 - CABLE CLOSURE
 - VIDEO CAMERA CABLE
 - RC. RADAR CABLE
 - PROPOSED SUPPORT STRUCTURE
 - EXISTING STEEL SPAN POLE
 - PROPOSED UTILITY POLE
 - EXISTING UTILITY POLE
 - EXISTING WOOD SPAN POLE
 - PEDESTAL MOUNTING
 - PEDESTAL MOUNTED RFB
 - PEDESTRIAN PUSH BUTTON & SIGN
 - DIRECTIONAL ARW. FOR PUSH BUTTON
 - PEDESTRIAN SIGNAL FACE
 - TRAFFIC SIGNAL FACE
 - PROPOSED HANDHOLE
 - EXISTING HANDHOLE
 - PROPOSED CONTROLLER
 - EXISTING CONTROLLER
 - AUXILIARY EQUIPMENT CABINET
 - OPTICAL DETECTOR
 - IP VIDEO DETECTOR
 - RADAR DETECTOR
 - THERMAL DETECTOR
 - AUDIO DETECTOR
 - 360° CAMERA ASSEMBLY
 - VIDEO-RADAR DETECTOR
 - DETECTION ZONE
 - LOOP DETECTOR
 - RADIO ANTENNA
 - POLE ANCHOR

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY.

PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.

(1) PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTONS. SPEECH MESSAGE "NORTH MOUNTAIN. WALK SIGN IS ON TO CROSS NORTH MOUNTAIN." DURING PEDESTRIAN WALK INTERVAL FOR P2B BUTTON.

(2) PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTONS. SPEECH MESSAGE "HARTFORD. WALK SIGN IS ON TO CROSS HARTFORD." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTONS.

(3) COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.

(4) CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.

OFFICE RECORD

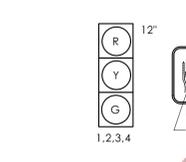
REV #5 TIR # 093-1204-02 SM # N/A SIGNAL REVISED: 01/08/2014

REPLACED SIGNAL EQUIPMENT, ADDED PRE-EMPTION UNDER PROJECT NO. 171-342.

AS BUILT PLAN DRAWN: 2-2014

REV #	TIR #	SM #	SIGNAL REVISED:
			INSTALLED CROSSWALKS ON ALL LEGS OF THE INTERSECTION. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, REMOVED PROGRAMMED FLASH, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.

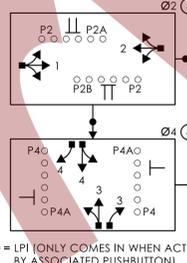
SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.

PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	NO	NO
DET. LOCK	YES	YES
DELAY	0	0
ALT. MIN. GRN	5	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	12	11
HOLD GREEN	15	15
HOLD YELLOW	4.0	4.0
HOLD RED	2.2	2.2
HOLD PHASE	2	4
EXIT PHASE	4	2
EXIT CALL	NONE	NONE

PHASING DIAGRAM



● = LPI (ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON)

CONSTRUCTION NOTES:

- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
 - (F) REMOVE EXISTING PUSHBUTTON ON SPAN POLE.
 - (G) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (H) INSTALL TYPE 4 (MODIFIED) SIDEWALK RAMP PER GUIDE SHEET.
 - (I) INSTALL TYPE 10B SIDEWALK RAMP PER GUIDE SHEET.
 - (J) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
 - (K) INSTALL TYPE 14 SIDEWALK RAMP PER GUIDE SHEET.
 - (L) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
 - (M) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMP(S).
 - (N) CONSTRUCT CONCRETE SIDEWALK TO CONNECT RAMP(S) WITH EXISTING SIDEWALK.
 - (O) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
 - (P) REMOVE VEGETATION AS NEEDED OR AS DIRECTED BY THE ENGINEER TO INSTALL SIDEWALK IN SOUTHEAST CORNER. WORK TO BE PAID UNDER ITEM #020100 - CLEARING AND GRUBBING.

PAVEMENT MARKING NOTES:

- INSTALL NEW STOP BAR ON ROUTE 176 EAST LEG APPROXIMATELY 7' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS ALL LEGS OF THE INTERSECTION AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

FOR REV # X:
Tighe & Bond
213 Court Street
Suite 1103
Middletown, CT 06457
T 860.704-4700

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 093-239	
						ENERGY BY - TOWN	ADDRESS #
						MAINT LEVEL - 5	SERVICE POLE - FRONT 2041S
							UNMETERED SERVICE

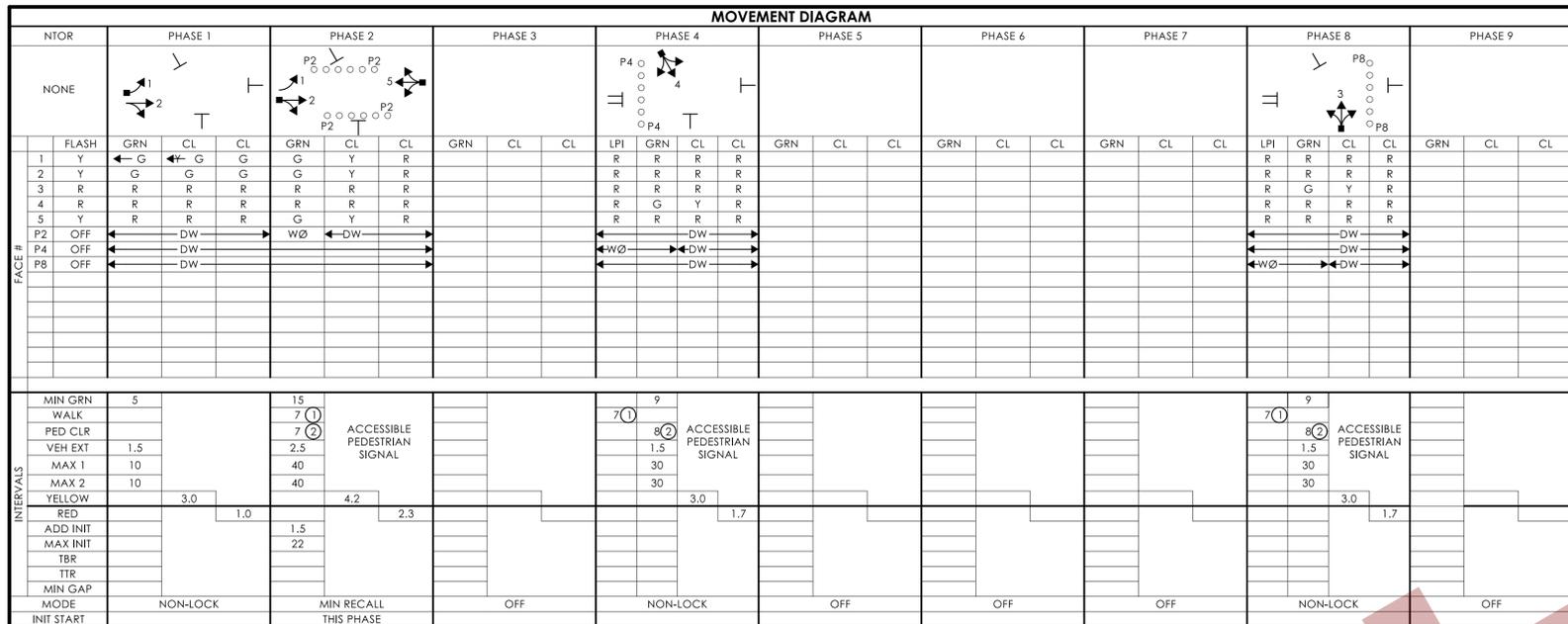
SCALE: 1" = 40'



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

ROUTE 176 (HARTFORD AVE) AT MOUNTAIN RD & NORTH MOUNTAIN RD
TOWN: NEWINGTON

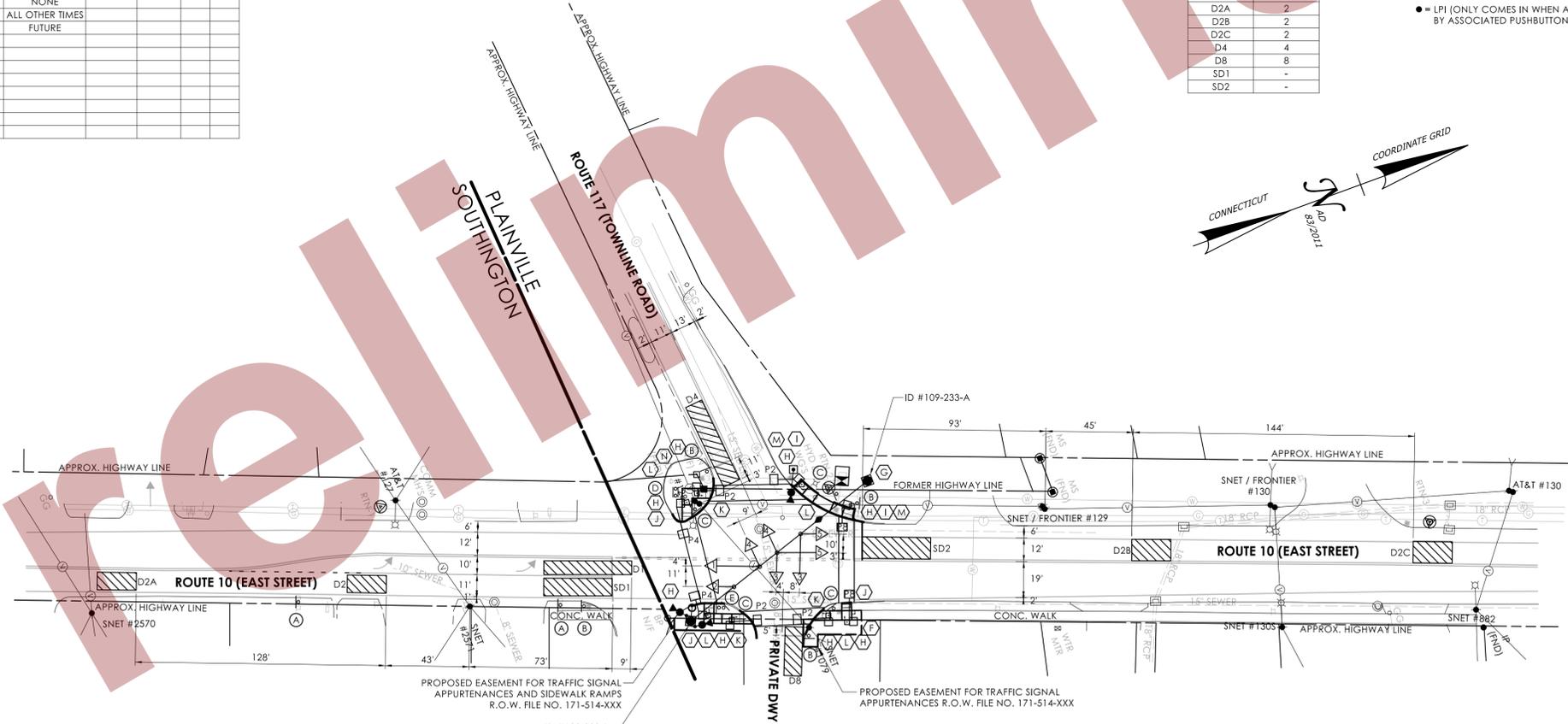
DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
TRAFFIC CONTROL SIGNAL PLAN	0171-0514	TCS-10
		SHEET NO.:



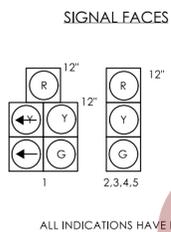
INTERVALS	MIN GRN	WALK	PED CLR	VEH EXT	MAX 1	MAX 2	YELLOW	RED	ADD INIT	MAX INIT	TBR	TTR	MIN GAP	MODE	INIT START
	5			1.5	10	10								NON-LOCK	
	15	7 (1)	7 (2)	2.5	40	40	4.2	2.3	1.5	22				MIN RECALL THIS PHASE	
	7 (1)	9	8 (2)	1.5	30	30	3.0	1.7						NON-LOCK	
				1.5	30	30								OFF	
														OFF	
														OFF	
														OFF	
														NON-LOCK	
														OFF	

DETECTORS		SYSTEM LOC		COORDINATION TYPE: NONE					
IDENT	SIZE (WxL)*	TYPE	MODE	MASTER	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET
D1	7' X 45'	VIDEO-360	PRESENCE						
D2	9' X 20'	VIDEO-IP	PRESENCE		FLASH	NONE			
D2A	9' X 20'	VIDEO-IP	PRESENCE		MAX 1	ALL OTHER TIMES			
D2B	11' X 20'	VIDEO-IP	PRESENCE		MAX 2	FUTURE			
D2C	11' X 20'	VIDEO-IP	PRESENCE						
D4	9' X 45'	VIDEO-360	PRESENCE						
D8	9' X 25'	VIDEO-IP	PRESENCE						
SD1	9' X 35'	VIDEO-360	PRESENCE						
SD2	11' X 35'	VIDEO-360	PRESENCE						

- * LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.
- #### SIGN LEGEND
- (A) EXISTING 31-0282
 - (B) INSTALL 31-1625
 - (C) INSTALL 31-1626
 - (D) RELOCATE GUIDE SIGNS
 - (E) RELOCATE ROUTE MARKER SIGNS

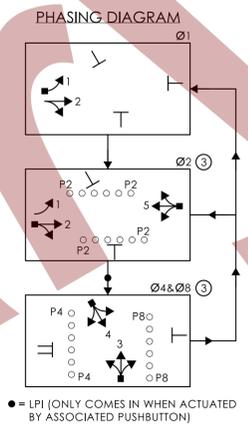


TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY.	REV # 12 TIR # N/A SM # 101147 SIGNAL REVISED: 05/15/2017
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.	REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.	REV # 13 TIR # N/A SM # N/A SIGNAL REVISED: 11/21/2022
PHASES 4 & 8 TO TIME CONCURRENTLY AND BE DUAL ENTRY.	LOOPS REPLACED WITH CAMERAS & REVISED PHASE 8 MODE BY TRAFFIC SIGNAL LAB.
	REV # TIR # SM # SIGNAL REVISED:
	INSTALLED CROSSWALKS ON ALL LEGS OF THE INTERSECTION. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS.
	REMOVED PROGRAMMED FLASH, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING
	UNDER PROJECT NO. 0171-0514.



CLOSED LOOP DETECTOR CHART

DETECTOR ID	DETECTOR #
D1	1
D2	2
D2A	2
D2B	2
D2C	2
D4	4
D8	8
SD1	-
SD2	-



- #### CONSTRUCTION NOTES:
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC EQUIPMENT HAS BEEN REMOVED.
 - (F) REMOVE EXISTING 8" SECTION SIGNAL HEAD, PUSHBUTTON, PEDESTAL, AND PEDESTAL FOUNDATION.
 - (G) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #109-223-A.
 - (H) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (I) INSTALL TYPE 10B SIDEWALK RAMP PER GUIDE SHEET.
 - (J) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
 - (K) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
 - (L) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMP.
 - (M) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
 - (N) PROTECT ROW MONUMENT.
- #### PAVEMENT MARKING NOTES:
- INSTALL NEW STOP BAR ON ROUTE 10 NORTH LEG APPROXIMATELY 7' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS ALL LEGS OF THE INTERSECTION AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

NOTES:

STATE TO MAINTAIN ALL STOP BARS AND PAVEMENT MARKINGS ON ROUTE 10 AND ROUTE 177.

CAT 5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
109-223-A	30'	20"	7,800	2009
109-223-B	30'	20"	7,800	2009

LEGEND:	FL. FLASHING	~ DET. LEADS IN SAW CUT	□ PROPOSED SUPPORT STRUCTURE	□ PEDESTAL MOUNTING	□ PROPOSED HANDHOLE	● IP VIDEO DETECTOR	□ DETECTION ZONE
	R RED	← RED ARROW	— PROPOSED RMC	□ EXISTING STEEL SPAN POLE	□ EXISTING HANDHOLE	● RADAR DETECTOR	□ LOOP DETECTOR
	Y YELLOW	← YELLOW ARROW	● EXISTING RMC	□ PROPOSED UTILITY POLE	□ EXISTING CONTROLLER	● THERMAL DETECTOR	□ RADIO ANTENNA
	G GREEN	← GREEN ARROW	□ CABLE CLOSURE	□ EXISTING UTILITY POLE	□ EXISTING CONTROLLER	● AUDIO DETECTOR	□ POLE ANCHOR
	WØ WALK PED. CLR	VC VIDEO CAMERA CABLE	● EXISTING WOOD SPAN POLE	□ PEDESTRIAN PUSH BUTTON & SIGN	□ AUXILIARY EQUIPMENT CABINET	● 360° CAMERA ASSEMBLY	
	D.W. DONT WALK	RC RADAR CABLE	□ TRAFFIC SIGNAL FACE	□ DIRECTIONAL ARW. FOR PUSH BUTTON	□ VIDEO-RADAR DETECTOR		

CONNECTICUT DEPARTMENT OF TRANSPORTATION

ROUTE 10 (EAST ST) AT ROUTE 177 (TOWN LINE RD)

TOWN: **PLAINVILLE**

FOR REV # X:

Tighe & Bond

213 Court Street
Suite 1103
Middletown, CT 06457
T 860.704-4760

TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 109-223
ENGINEER					
DRAWN BY					
CHECKED BY					ENERGY BY - STATE
SUBMITTED BY					ADDRESS #
APPROVED BY					MAINT LEVEL - 5
APPROVED DATE					SERVICE POLE - SNET #129
					UNMETERED SERVICE

SCALE: 1" = 40'

SPAN WIRE ELECTRICAL CALLOUTS (NOT TO SCALE)

MOVEMENT DIAGRAM																														
NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9 - PRE-EMPT 1					
FACE #	FLASH	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL									
1	Y				R	G	Y	R	R	R	R	R	R	R	R															
2	Y				R	G	Y	R	R	R	R	R	R	R	R															
3	Y				R	G	Y	R	R	R	R	R	R	R	R															
4	R				R	G	Y	R	R	R	R	R	R	R	R															
P2/P2A	OFF				←W	→D	←D	→W				←W	→D	←D	→W															
P4/P4A	OFF																													

DETECTORS										
ID	SIZE (WxL)	TYPE	MODE	SYSTEM LOC	COORDINATION TYPE: NONE	OFFSET				
				MASTER	FUNCTION	PROGRAM	DAYS	CYCLE	SEC	%
D2	6' X 6'	LOOP	PRESENCE		FLASH	NONE				
D2A	6' X 6'	LOOP	PRESENCE		MAX 1	ALL TIMES				
D2B	6' X 6'	LOOP	PRESENCE		MAX 2	FUTURE				
D2C	6' X 6'	LOOP	PRESENCE							
D4	14' X 6'	LOOP	DELAY 8"							
D4A	6' X 6'	LOOP	PRESENCE							
D4B	20' X 6'	LOOP	DELAY 8"							
D4C	14' X 6'	LOOP	PRESENCE							

- SIGN LEGEND**
- (A) EXISTING SPAN MTD. 31-0823
 - (B) EXISTING 31-0553
 - (C) EXISTING 41-0835
 - (D) EXISTING 31-0806
 - (E) EXISTING 31-0824
 - (F) INSTALL 31-1625

NOTES:

STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON ROUTE 190 AND ALL STOP BARS.

TOWN OF SOMERS TO MAINTAIN ALL OTHER PAVEMENT MARKINGS ON SHAKER ROAD, MAPLE STREET AND QUALITY AVENUE.

EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF SOMERS.

ALL CROSSWALKS ARE BAR TYPE.

(W) 30" X 30" CONCRETE HANDHOLE.

SPAN POLE INFORMATION

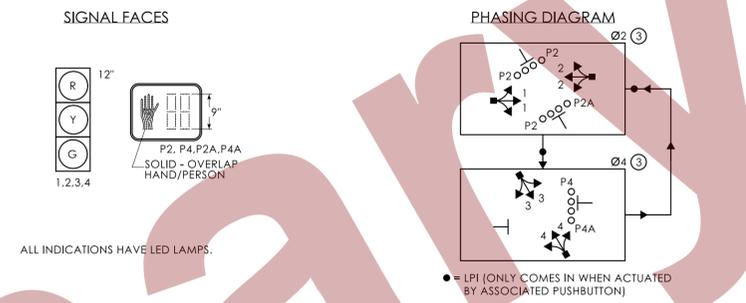
ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
129-204-A	32'	22"	10000	2013
129-204-B	32'	22"	10000	2013

SPAN WIRE ELECTRICAL CALLOUTS (NOT TO SCALE)

LEGEND:

- FL. FLASHING
- R. RED
- Y. YELLOW
- G. GREEN
- W. WALK PED. CLR
- D.W. DONT WALK
- DET. LEADS IN SAW CUT
- PROPOSED RMC
- EXISTING RMC
- CABLE CLOSURE
- VIDEO CAMERA CABLE
- RC. RADAR CABLE
- PROPOSED SUPPORT STRUCTURE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- EXISTING WOOD SPAN POLE
- PEDESTAL MOUNTING
- PEDESTAL MOUNTED RRFB
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- EXISTING CONTROLLER
- AUXILIARY EQUIPMENT CABINET
- OPTICAL DETECTOR
- IP VIDEO DETECTOR
- RADAR DETECTOR
- THERMAL DETECTOR
- AUDIO DETECTOR
- 360° CAMERA ASSEMBLY
- VIDEO THERMAL DETECTOR
- DETECTION ZONE
- LOOP DETECTOR
- RADIO ANTENNA
- POLE ANCHOR

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV #5	TIR # N/A SM # N/A SIGNAL REVISED: 01/29/2014
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTONS. SPEECH MESSAGE "MAPLE. WALK SIGN IS ON TO CROSS MAPLE." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.		REPLACED SIGNAL EQUIPMENT AND ADDED PRE-EMPTION EQUIPMENT UNDER PROJECT #0171-0342.	
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		REV #	TIR # SM# SIGNAL REVISED:
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		INSTALLED CROSSWALK ON SHAKER ROAD, MAPLE STREET, AND ROUTE 190 EAST LEG. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI AND CONCURRENT PEDESTRIAN PHASING UNDER PROJECT #0171-0514.	
④ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTON. SPEECH MESSAGE "MAIN. WALK SIGN IS ON TO CROSS MAIN." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.			



- CONSTRUCTION NOTES:**
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - (D) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH TWO COUNTDOWN PEDESTRIAN SIGNALS AND TWO APS PUSHBUTTONS ON NEW FOUNDATION.
 - (E) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON ON NEW FOUNDATION.
 - (F) REMOVE EXISTING 4' PEDESTAL. INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON ON EXISTING FOUNDATION.
 - (G) REMOVE EXISTING 8' PEDESTAL. EXISTING 3-SECTION SIGNAL HEAD, AND EXISTING FOUNDATION. RESTORE CONCRETE SIDEWALK.
 - (H) INSTALL APS PUSHBUTTON AND COUNTDOWN PEDESTRIAN SIGNAL ON EXISTING SPAN POLE.
 - (I) INSTALL TYPE 6 SIDEWALK RAMP PER GUIDE SHEET.
 - (J) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
 - (K) INSTALL TYPE 20 SIDEWALK RAMP PER GUIDE SHEET.
 - (L) INSTALL TYPE 30 SIDEWALK RAMP PER GUIDE SHEET.
 - (M) INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET.
 - (N) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.
 - (O) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS AND EXISTING SIDEWALK.

PAVEMENT MARKING NOTES:

REPAINT ALL STOP BARS AS SHOWN ON PLAN.

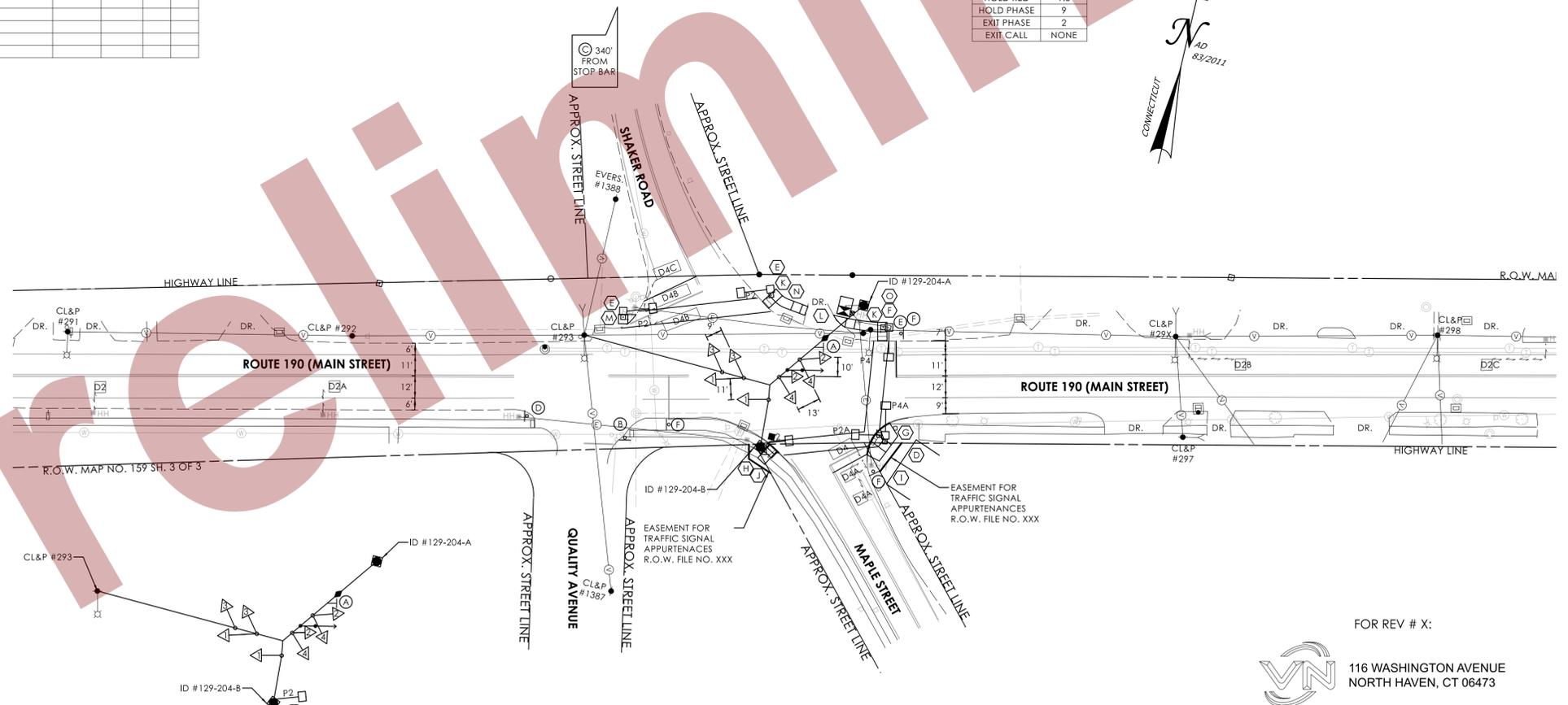
INSTALL NEW STOP BAR ON ROUTE 190 EAST LEG APPROXIMATELY 1' BACK FROM THE EXISTING STOP BAR. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

INSTALL NEW STOP BAR ON SHAKER ROAD APPROXIMATELY 9' BACK FROM THE EXISTING STOP BAR. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

INSTALL NEW STOP BAR ON MAPLE STREET APPROXIMATELY 4' BACK FROM THE EXISTING STOP BAR. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

ERADICATE EXISTING CROSSWALK ACROSS ROUTE 190 EAST LEG.

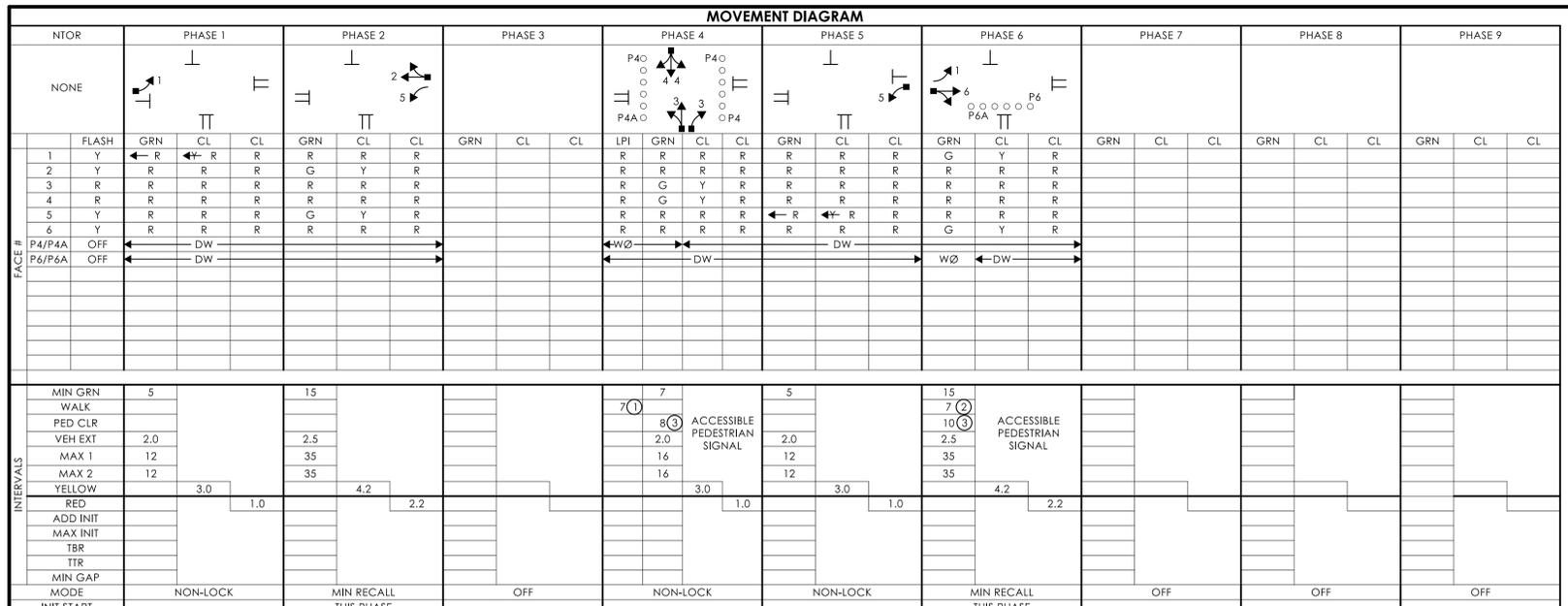
INSTALL NEW CROSSWALKS ACROSS ROUTE 190 EAST LEG, SHAKER ROAD, AND MAPLE STREET AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



FOR REV # X:

116 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 129-204	
DRAWN BY						ENERGY BY - TOWN	ADDRESS #
CHECKED BY						MAINT LEVEL - 5	SERVICE POLE - CL&P 295
SUBMITTED BY							UNMETERED SERVICE
APPROVED BY							
APPROVED DATE							



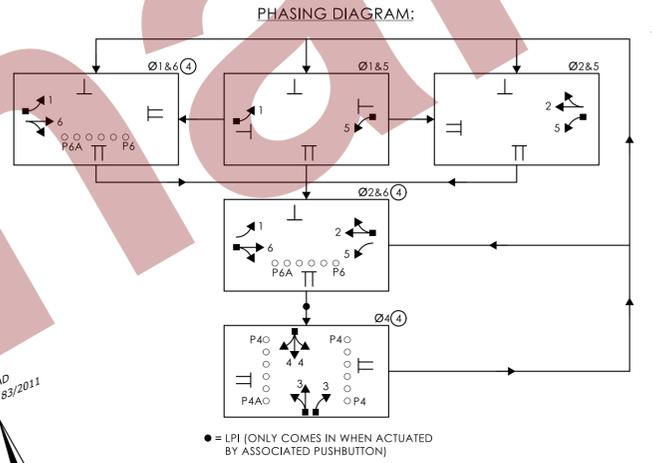
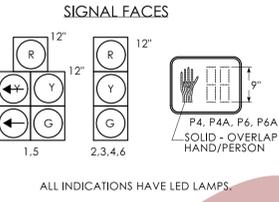
INTERVALS	PHASE 1		PHASE 2		PHASE 3		PHASE 4		PHASE 5		PHASE 6		PHASE 7		PHASE 8		PHASE 9										
	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK	MIN GRN	WALK									
MIN GRN	5		15				7		5		15		7														
WALK							7				7																
VEH EXT	2.0		2.5				2.0		2.0		2.5		2.0														
MAX 1	12		35				12		12		35		12														
MAX 2	12		35				12		12		35		12														
YELLOW		3.0		4.2				3.0		3.0			4.2														
RED			1.0		2.2				1.0		1.0			2.2													
ADD INIT																											
MAX INIT																											
TBR																											
TTR																											
MIN GAP																											
MODE	NON-LOCK			MIN RECALL			OFF			NON-LOCK			NON-LOCK			MIN RECALL			OFF			OFF			OFF		

DETECTORS SYSTEM LOC COORDINATION TYPE: NONE

IDENT	SIZE (WxL)	TURNS	MODE	SYSTEM LOC	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET
D1	6' X 6'	3	PRESENCE	MASTER	FLASH	NONE			
D2	9' X 6'	4	PRESENCE		FLASH	NONE			
D2A	8' X 6'	4	PRESENCE		FLASH	NONE			
D4	6' X 18'	VIDEO	PRESENCE		MAX 1	ALL OTHER TIMES			
D4A	6' X 6'	3	PRESENCE		MAX 2	FUTURE			
D4B	6' X 6'	3	DELAY 8"						
D4C	9' X 6'	3	DELAY 8"						
D5	6' X 6'	3	PRESENCE						
D6	9' X 6'	3	PRESENCE						
D6A	9' X 6'	3	PRESENCE						

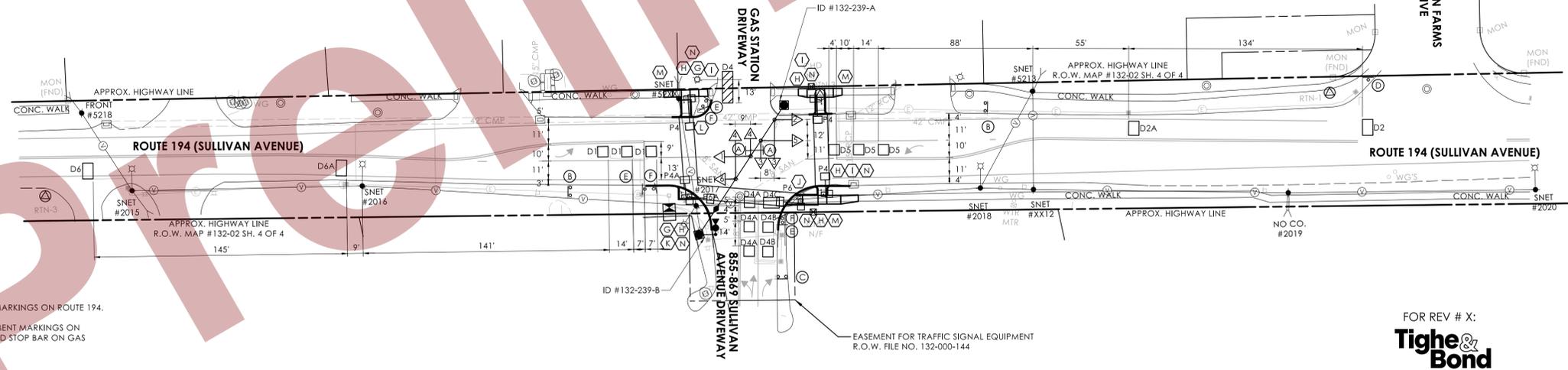
- #### SIGN LEGEND
- (A) EXISTING SPAN MTD. 31-0135
 - (B) EXISTING 31-0282
 - (C) EXISTING 31-0283Z
 - (D) EXISTING 31-0552
 - (E) INSTALL 31-1625
 - (F) INSTALL 31-1626

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # 1 TIR # N/A SM # 100717 SIGNAL REVISED: 05/23/2016	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTONS. SPEECH MESSAGE		REVISED TIMINGS UNDER STATE PROJECT NO. 171-398.	
② "SULLIVAN. WALK SIGN IS ON TO CROSS SULLIVAN." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.			
③ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P6 BUTTON. SPEECH MESSAGE			
④ "DRIVEWAY. WALK SIGN IS ON TO CROSS DRIVEWAY." DURING PEDESTRIAN WALK INTERVAL FOR P6A BUTTON.		REV # TIR # SM # SIGNAL REVISED:	
⑤ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		INSTALLED CROSSWALKS ON ROUTE 194 EAST AND WEST LEG AND 855-869 SULLIVAN AVENUE DRIVEWAY. INSTALLED	
⑥ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		COUNTDOWN HEADS, APS PUSHBUTTONS, REMOVED PROGRAMMED FLASH, AND REPLACED SIDE STREET GREEN WITH	
		LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.	



- #### CONSTRUCTION NOTES:
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
 - STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
 - THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
 - REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
 - INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
 - COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
 - MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
 - (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - (S) REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
 - (H) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (I) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
 - (J) INSTALL TYPE 14 SIDEWALK RAMP PER GUIDE SHEET.
 - (K) INSTALL CONCRETE LANDING AREA WITH DETECTABLE WARNING SURFACE PER GUIDE SHEET.
 - (L) REMOVE EXISTING CONCRETE SIDEWALK RAMP, FURNISH AND PLACE TOPSOIL. ESTABLISH TURF. INSTALL EROSION CONTROL MATTING, AND INSTALL CONCRETE CURBING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, #0950013, #0811001.
 - (M) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMP(S) TO EXISTING SIDEWALK.
 - (N) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.

- #### PAVEMENT MARKING NOTES:
- INSTALL NEW STOP BAR ON 855-869 SULLIVAN AVENUE DRIVEWAY APPROXIMATELY 7' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
 - INSTALL NEW CROSSWALKS ACROSS ROUTE 194 EAST LEG AND WEST LEG AND 855-869 SULLIVAN AVENUE DRIVEWAY AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



NOTES:
STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON ROUTE 194.
DEVELOPER TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON DRIVEWAY TO 855-869 SULLIVAN AVENUE AND STOP BAR ON GAS STATION DRIVE.
(W) 30" X 30" HANDHOLE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	CAMERA BRACKET LENGTH	YEAR INSTALLED
132-239-A	28'	20"	6,100	-	2013
132-239-B	28'	20"	6,100	8'	2013

- #### LEGEND:
- FL. FLASHING
 - R. RED
 - Y. YELLOW
 - G. GREEN
 - WØ. WALK PED. CLR
 - D.W. DONT WALK
 - DET. LEADS IN SAW CUT
 - PROPOSED RMC
 - EXISTING RMC
 - CABLE CLOSURE
 - VIDEO CAMERA CABLE
 - RC. RADAR CABLE
 - PROPOSED SUPPORT STRUCTURE
 - EXISTING STEEL SPAN POLE
 - PROPOSED UTILITY POLE
 - EXISTING UTILITY POLE
 - EXISTING WOOD SPAN POLE
 - TRAFFIC SIGNAL FACE
 - PEDESTAL MOUNTING
 - PEDESTAL MOUNTED RFB
 - PEDESTRIAN PUSH BUTTON & SIGN
 - DIRECTIONAL ARW. FOR PUSH BUTTON
 - PEDESTRIAN SIGNAL FACE
 - TRAFFIC SIGNAL FACE
 - PROPOSED HANDHOLE
 - EXISTING HANDHOLE
 - PROPOSED CONTROLLER
 - EXISTING CONTROLLER
 - AUXILIARY EQUIPMENT CABINET
 - OPTICAL DETECTOR
 - IP VIDEO DETECTOR
 - RADAR DETECTOR
 - THERMAL DETECTOR
 - AUDIO DETECTOR
 - 360° CAMERA ASSEMBLY
 - VIDEO-RADAR DETECTOR
 - DETECTION ZONE
 - LOOP DETECTOR
 - RADIO ANTENNA
 - POLE ANCHOR



CONNECTICUT DEPARTMENT OF TRANSPORTATION
ROUTE 194 (SULLIVAN AVE) AT 855-869 SULLIVAN AVE / GAS STATION DR
TOWN: SOUTH WINDSOR

FOR REV # X:
Tighe & Bond
213 Court Street
Suite 1103
Middletown, CT 06457
T 860.704-4700

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 132-239	
DRAWN BY						ENERGY BY - DEVELOPER	ADDRESS #
CHECKED BY						MAINT LEVEL 5	SERVICE POLE - SNET #2017
SUBMITTED BY							UNMETERED SERVICE
APPROVED BY							
APPROVED DATE							

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0171-0514	DRAWING NO.: TCS-15
SHEET NO.:		

MOVEMENT DIAGRAM																															
NTOR	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9						
	FLASH	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL													
1	Y																														
2	Y																														
3	Y																														
4	R																														
P2/P2A	OFF																														
P4/P4A	OFF																														

INTERVALS	MIN GRN		WALK		PED CLR		VEH EXT		MAX 1		MAX 2		YELLOW		RED		ADD INIT		MAX INIT		TBR		TTR		MIN GAP		MODE		INIT START			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		

DETECTORS		SYSTEM LOC		COORDINATION TYPE: NONE	
IDENT	SIZE (WxL)	TYPE	MODE	MASTER	PROGRAM
D2	6' X 110'	RADAR	PRESENCE		FLASH
D2A	6' X 110'	RADAR	PRESENCE		NONE
D4	6' X 35'	VIDEO-360	PRESENCE		MAX 1
D4A	6' X 35'	VIDEO-360	PRESENCE		MAX 2
SD2	6' X 35'	VIDEO-360	PRESENCE		FUTURE
SD2A	6' X 35'	VIDEO-360	PRESENCE		

- SIGN LEGEND**
- (A) EXISTING 31-0824
 - (B) EXISTING SPAN MTD. 31-0823
 - (C) EXISTING 31-1526
 - (D) EXISTING 31-1619
 - (E) EXISTING 31-0806
 - (F) EXISTING 31-0552
 - (G) INSTALL 31-1625
 - (H) INSTALL 31-1626
 - (I) INSTALL 31-1625 & RELOCATE EXISTING NTOB SIGN ON TO SAME POST
 - (J) RELOCATE EXISTING STREET NAME SIGN
 - (K) RELOCATE EXISTING CHURCH SIGN

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON ROUTE 74 AND ALL STOP BARS.

TOWN OF VERNON TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON HARLOW STREET, ORCHARD STREET, PROSPECT STREET, AND WOODLAND STREET.

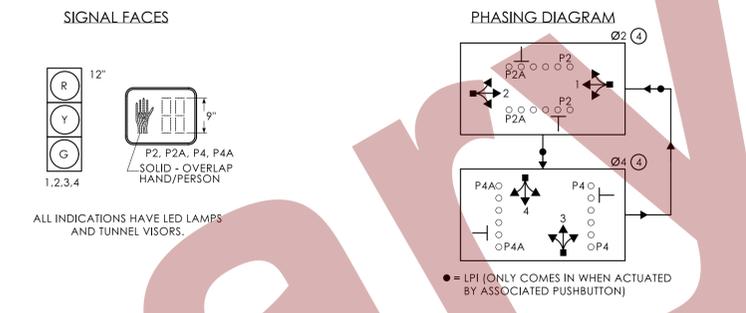
SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	VERTICAL RISER FOR 360 DEGREE CAMERA	YEAR INSTALLED
146-215-A	28'	20"	6,100	3'	2007

LEGEND:

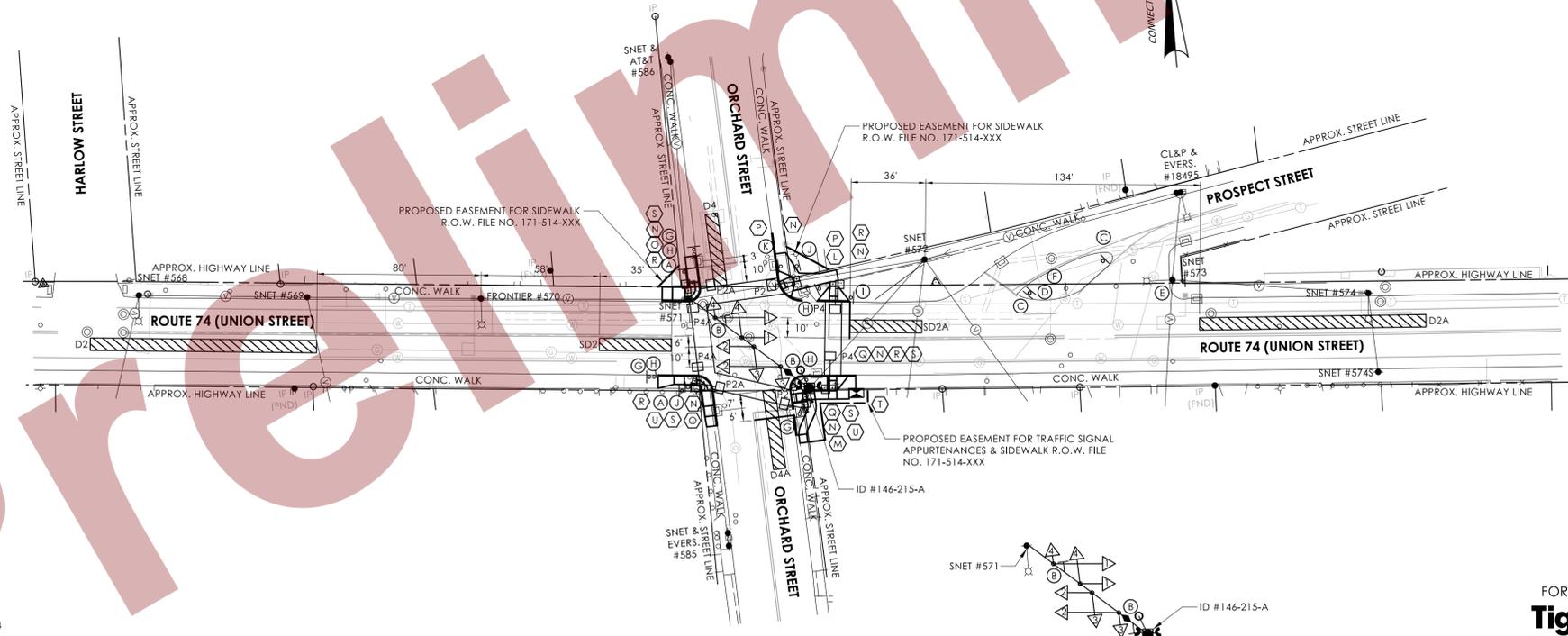
- FL. FLASHING
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK PED. CLR
- D.W. DONT WALK
- DET. LEADS IN SAW CUT
- PROPOSED RMC
- EXISTING RMC
- CABLE CLOSURE
- VIDEO CAMERA CABLE
- RADAR CABLE
- PROPOSED SUPPORT STRUCTURE
- EXISTING STEEL SPAN POLE
- PROPOSED UTILITY POLE
- EXISTING UTILITY POLE
- EXISTING WOOD SPAN POLE
- PEDESTAL MOUNTING
- PEDESTAL MOUNTED RRFB
- PEDESTRIAN PUSH BUTTON & SIGN
- DIRECTIONAL ARW. FOR PUSH BUTTON
- PEDESTRIAN SIGNAL FACE
- TRAFFIC SIGNAL FACE
- PROPOSED HANDHOLE
- EXISTING HANDHOLE
- PROPOSED CONTROLLER
- EXISTING CONTROLLER
- AUXILIARY EQUIPMENT CABINET
- OPTICAL DETECTOR
- IP VIDEO DETECTOR
- RADAR DETECTOR
- THERMAL DETECTOR
- AUDIO DETECTOR
- 360° CAMERA ASSEMBLY
- VIDEO-RADAR DETECTOR
- DETECTION ZONE
- LOOP DETECTOR
- RADIO ANTENNA
- POLE ANCHOR

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # 9 TIR # N/A SM # N/A SIGNAL REVISED: 05/08/2025	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTONS. SPEECH MESSAGE "ORCHARD. WALK SIGN IS ON TO CROSS ORCHARD." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTONS.		REMOVED PROGRAMMED FLASH, INSTALLED RADAR DETECTION & VIDEO-360 CAMERA, AND REVISED TIMINGS UNDER PROJECT NO. 0171-0462.	
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTONS. SPEECH MESSAGE "UNION. WALK SIGN IS ON TO CROSS UNION." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTONS.		REV # TIR # SM # SIGNAL REVISED:	
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		INSTALLED CROSSWALKS ON ALL LEGS OF THE INTERSECTION, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0171-0514.	
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.			



- CONSTRUCTION NOTES:**
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
- STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
- THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
- REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.
- (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
 - (L) REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
 - (M) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #146-215-A.
 - (N) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
 - (O) INSTALL TYPE 2 SIDEWALK RAMP PER GUIDE SHEET.
 - (P) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
 - (Q) INSTALL TYPE 18 (LEFT) SIDEWALK RAMP PER GUIDE SHEET.
 - (R) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS AND TO EXISTING SIDEWALK.
 - (S) INSTALL EXTENSION BRACKET TO ENSURE PUSHBUTTON IS ACCESSIBLE FROM THE LANDING AREA.
 - (T) RELOCATE EXISTING CONTROLLER, CONTROLLER CABINET, AND CABINET FOUNDATION TO FACILITATE THE INSTALLATION OF NEW RAMPS. EXTEND EXISTING RMC TO NEW CABINET LOCATION.
 - (U) REMOVE EXISTING CONCRETE SIDEWALK & SIDEWALK RAMP OUTSIDE THE LIMITS OF THE PROPOSED SIDEWALK. FURNISH AND PLACE TOPSOIL. ESTABLISH TURF. INSTALL EROSION CONTROL MATTING, AND INSTALL CONCRETE CURBING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, #0950013, #0811001.

- PAVEMENT MARKING NOTES:**
- INSTALL NEW STOP BAR ON ROUTE 74 EAST LEG APPROXIMATELY 10' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW STOP BAR ON ORCHARD STREET SOUTH LEG APPROXIMATELY 4' BACK FROM THE EXISTING STOP BAR. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS ALL LEGS OF THE INTERSECTION AS SHOWN. ERADICATE EXISTING CROSSWALKS AND ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



SPAN WIRE ELECTRICAL CALLOUTS (NOT TO SCALE)

FOR REV # X:
Tighe & Bond
213 Court Street
Suite 1103
Middletown, CT 06457
T 860.704-4700

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 146-215	
						ENERGY BY - TOWN	ADDRESS #
						MAINT LEVEL 5	SERVICE POLE - SNET #571
							UNMETERED SERVICE

SCALE: 1" = 40'

CONNECTICUT DEPARTMENT OF TRANSPORTATION

ROUTE 74 (UNION STREET) AT ORCHARD STREET

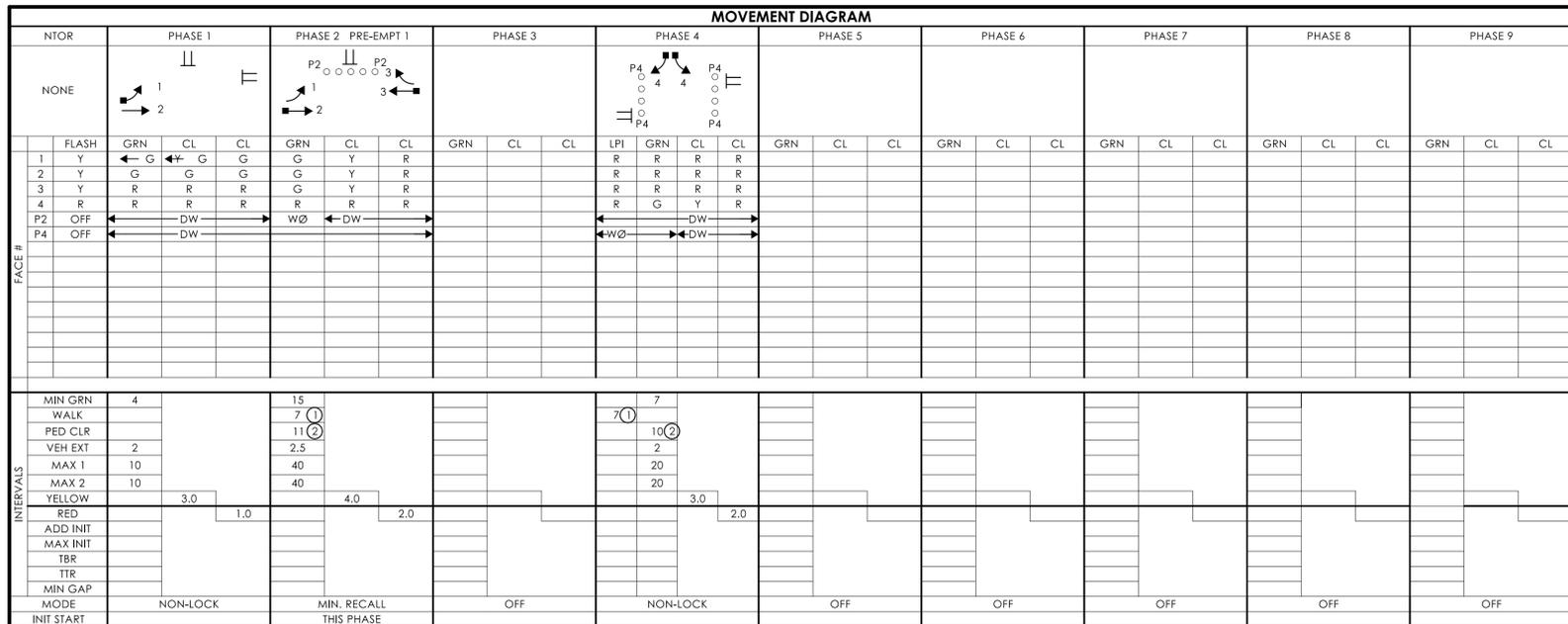
TOWN: VERNON

DRAWING TITLE: **TRAFFIC CONTROL SIGNAL PLAN**

PROJECT NO.: **0171-0514**

DRAWING NO.: **TCS-16**

SHEET NO.:



INTERVALS	MIN GRN		WALK		PED CLR		VEH EXT		MAX 1		MAX 2		YELLOW		RED		ADD INIT		MAX INIT		TBR		TTR		MIN GAP		MODE		INIT START	
	4	15	7	11	2	2.5	40	40	10	10	3.0	1.0	4.0	2.0	7	10	20	20												
NON-LOCK	MIN. RECALL THIS PHASE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

DETECTORS		SYSTEM LOC		COORDINATION TYPE: NONE		MASTER		FUNCTION		PROGRAM		DAYS		CYCLE		OFFSET	
IDENT	SIZE (WxL)	TYPE	MODE	PRESENCE	FUNCTION	TIME	DAYS	CYCLE	SEC	%							
D1	6' X 6'	LOOP	PRESENCE	FLASH	NONE	ALL OTHER TIMES											
D2A	6' X 6'	LOOP	PRESENCE	MAX 1													
D2B	6' X 6'	LOOP	PRESENCE	MAX 2													
D2C	6' X 6'	LOOP	PRESENCE														
D2D	6' X 6'	LOOP	PRESENCE														
D4	6' X 6'	LOOP	8' DELAY														
D4A	6' X 6'	LOOP	2' DELAY														

- #### SIGN LEGEND
- (A) SPAN MTD 31-0135
 - (B) SPAN MTD 31-0138
 - (C) EXIST. 31-0222
 - (D) EXIST. 31-0223
 - (E) EXIST. 31-02902
 - (F) EXIST. 41-0835
 - (G) INSTALL 31-1625

NOTES:

STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON ROUTE 75 AND ALL STOP BARS.

TOWN OF WINDSOR TO MAINTAIN ALL OTHER PAVEMENT MARKINGS ON PROSPECT HILL ROAD.

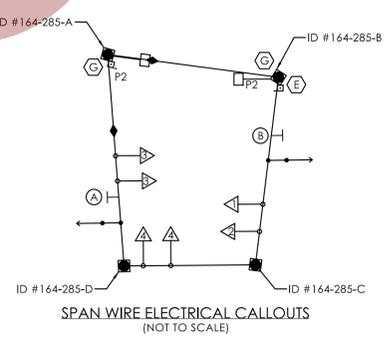
EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF WINDSOR.

ALL CROSSWALKS ARE BAR TYPE.

(W) 30" X 30" CONCRETE HANDHOLE.

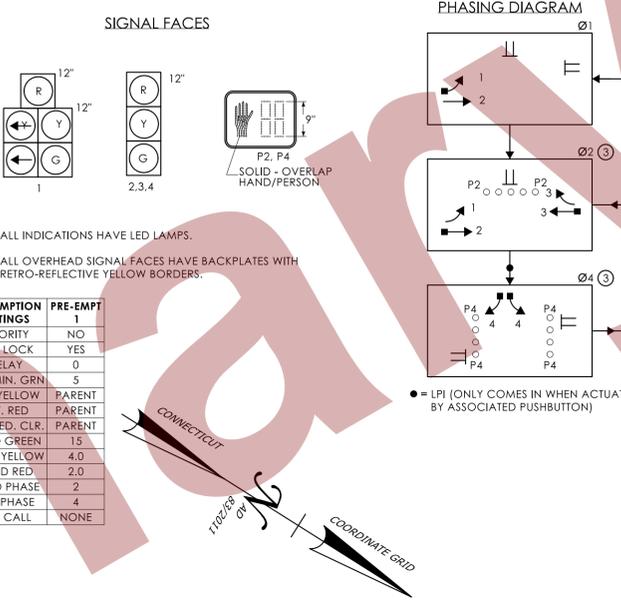
SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	YEAR INSTALLED
164-285-A	28'	20"	N/A	2015
164-285-B	28'	20"	N/A	2015
164-285-C	28'	20"	N/A	2015
164-285-D	28'	20"	N/A	2015



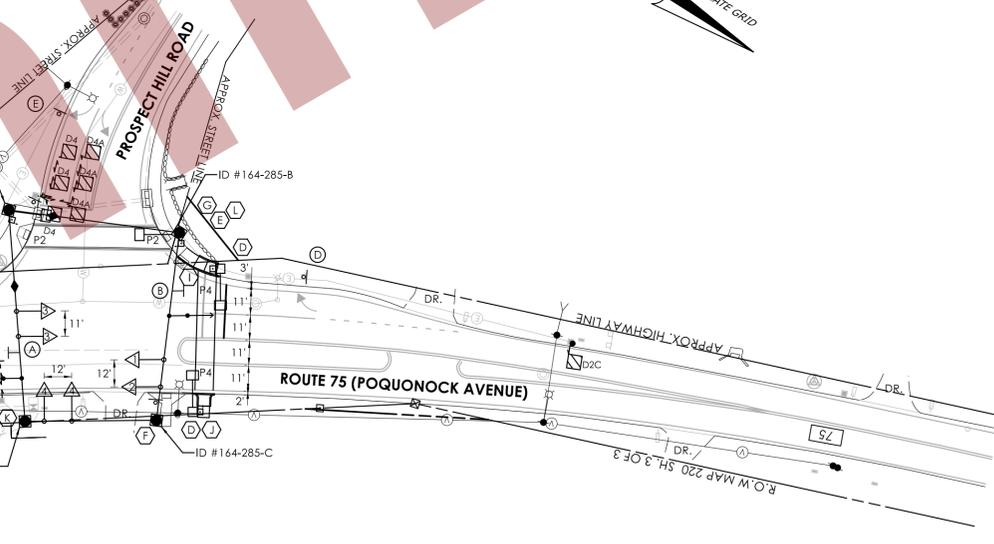
<p>LEGEND:</p> <ul style="list-style-type: none"> FL. FLASHING R. RED Y. YELLOW G. GREEN W. WALK D.W. DON'T WALK 	<ul style="list-style-type: none"> --- DET. LEADS IN SAW CUT --- PROPOSED RMC --- EXISTING RMC --- CABLE CLOSURE VC VIDEO CAMERA CABLE RC RADAR CABLE 	<ul style="list-style-type: none"> □ PROPOSED SUPPORT STRUCTURE □ EXISTING STEEL SPAN POLE □ PROPOSED UTILITY POLE □ EXISTING UTILITY POLE □ EXISTING WOOD SPAN POLE □ PEDESTAL MOUNTING □ PEDESTAL MOUNTED RRFB □ PEDESTRIAN PUSH BUTTON & SIGN □ DIRECTIONAL ARW. FOR PUSH BUTTON □ PEDESTRIAN SIGNAL FACE □ TRAFFIC SIGNAL FACE 	<ul style="list-style-type: none"> □ PROPOSED HANDHOLE □ EXISTING HANDHOLE □ EXISTING CONTROLLER □ EXISTING CONTROLLER □ AUXILIARY EQUIPMENT CABINET □ OPTICAL DETECTOR 	<ul style="list-style-type: none"> ● IP VIDEO DETECTOR ● RADAR DETECTOR ● THERMAL DETECTOR ● AUDIO DETECTOR ● 360° CAMERA ASSEMBLY ● VIDEO-RADAR DETECTOR 	<ul style="list-style-type: none"> □ DETECTION ZONE □ LOOP DETECTOR □ RADIO ANTENNA □ POLE ANCHOR
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TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY	OSTA #164-1301-01 SM #N/A SIGNAL REVISED: 09/10/15
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.	SIGNAL INSTALLED UNDER PROJECT #164-233.
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.	
PHASE 2 ON TO OMIT PHASE 1.	REV # 1 TIR # N/A SM# 100845 SIGNAL REVISED: 01/04/2022
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.	ADDED 2" DELAY TO DETECTORS D4A.
	REV # TIR # SM# SIGNAL REVISED:
	INSTALLED CROSSWALKS ACROSS ROUTE 75 (POQUONOCK AVE) EAST AND WEST LEGS. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI AND CONCURRENT PEDESTRIAN PHASING UNDER PROJECT #0171-0514. REMOVED PROGRAMMED FLASH.



- #### CONSTRUCTION NOTES:
- ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
 - STATE FORCES TO STAKE ALL R.O.W. PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ANY PROPOSED REVISION TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
 - THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A CLEAR PATH OF NOT LESS THAN 5 FEET. IF A MINIMUM 5 FOOT FREE PATH IS UNAVAILABLE, NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
 - REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
 - INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
 - COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS. 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
 - MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV LEAVE ONE COPY IN THE CONTROLLER CABINET.
 - INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED
 - (W) INSTALL 30" X 30" HANDHOLE. ALL OTHERS ARE TYPE II UNLESS OTHERWISE NOTED.
 - (D) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON ON NEW FOUNDATION.
 - (E) REMOVE EXISTING 8" 3-SECTION SIGNAL HEAD AND EXISTING PUSHBUTTON ON SPAN POLE.
 - (F) REMOVE EXISTING PUSHBUTTON ON SPAN POLE.
 - (G) INSTALL APS PUSHBUTTON AND COUNTDOWN PEDESTRIAN SIGNAL ON EXISTING SPAN POLE.
 - (H) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
 - (I) INSTALL TYPE 10a SIDEWALK RAMP PER GUIDE SHEET.
 - (J) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
 - (K) INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET.
 - (L) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.

- #### PAVEMENT MARKING NOTES:
- REPAINT ALL STOP BARS AS SHOWN ON PLAN.
 - INSTALL NEW STOP BAR ON ROUTE 75 (POQUONOCK AVENUE) NORTH LEG APPROXIMATELY 10' BACK FROM THE EXISTING STOP BAR. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
 - INSTALL NEW STOP BAR ON ROUTE 75 (POQUONOCK AVENUE) SOUTHBOUND LEG APPROXIMATELY 3' BACK FROM THE EXISTING STOP BAR. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
 - INSTALL NEW CROSSWALKS ACROSS ROUTE 75 (POQUONOCK AVENUE) SOUTH AND NORTH APPROACHES AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



FOR REV # X:

116 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 164-285

	CONNECTICUT DEPARTMENT OF TRANSPORTATION	ROUTE 75 (POQUONOCK AVE.) AND PROSPECT HILL ROAD TOWN(S): WINDSOR	TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0171-0514	DRAWING NO.: TCS-19 SHEET NO.:
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