

[illegible]

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.

REVISE TIMINGS AND OPERATION AS SHOWN

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

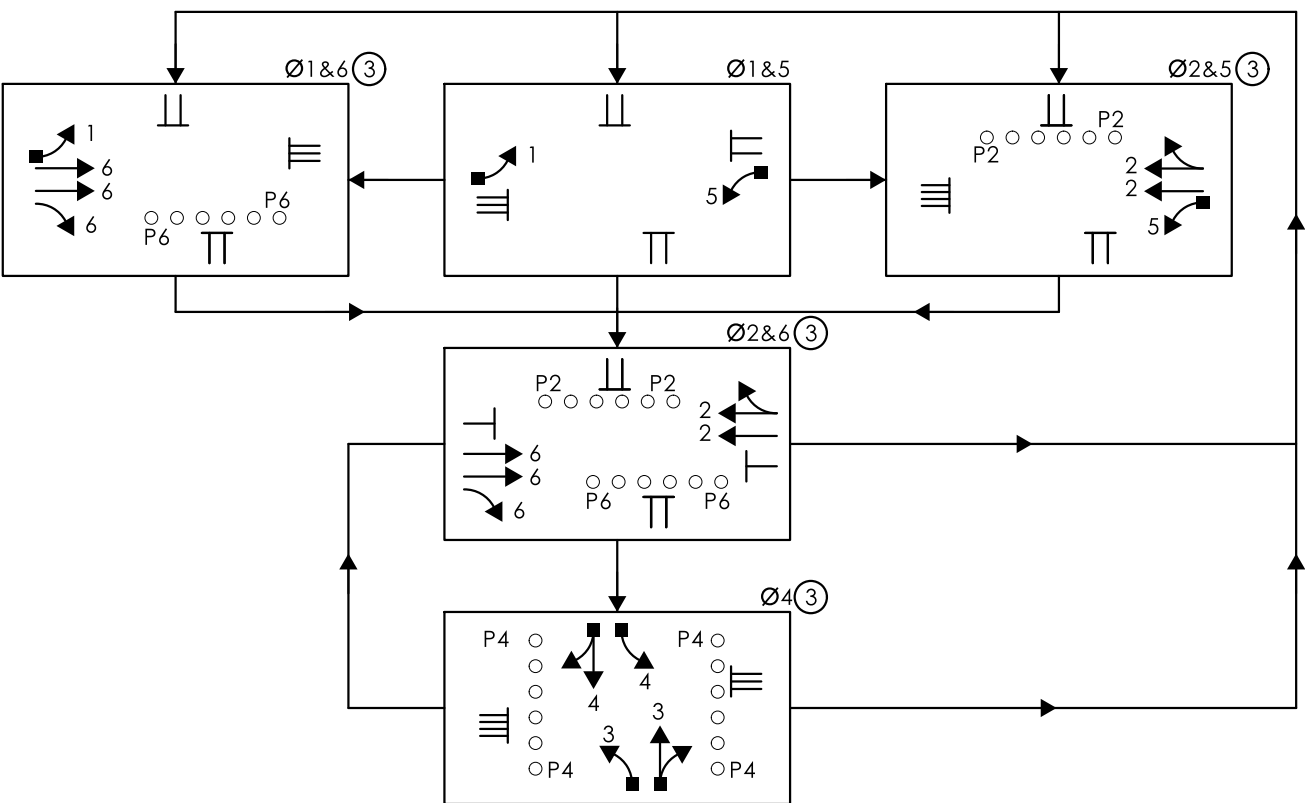
- (K) REMOVE EXISTING 4" PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (L) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (M) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #014-207-A AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON.
- (N) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
- (O) INSTALL TYPE 14 SIDEWALK RAMP PER GUIDE SHEET.
- (P) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
- (Q) TRIM TREE BRANCHES AND REMOVE VEGETATION TO PROVIDE CLEAR LINE OF SIGHT TO PEDESTRIAN SIGNALS P4 AND P6 ON THE SOUTHWEST CORNER. WORK TO BE PAID UNDER ITEM NO. 0952001A – SELECTIVE CLEARING AND THINNING.

PAVEMENT MARKING NOTES:

INSTALL NEW STOP BAR ON U.S. ROUTE 1 WEST LEG AS SHOWN. ERADICATE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

INSTALL NEW CROSSWALKS ACROSS U.S. ROUTE 1 EAST AND WEST LEG AS SHOWN.
ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

PHASING DIAGRAM:



SIGN LEGEND

- (A) EXISTING SPAN MTD. 31-0823
- (B) EXISTING 31-0445
- (C) EXISTING SPAN MTD. 31-0135
BACK TO BACK
- (D) EXISTING SPAN MTD. 31-0138
- (E) EXISTING 31-0282Z
- (F) EXISTING 31-1526
- (G) EXISTING 31-0370
- (H) INSTALL 31-1625
- (I) INSTALL 31-1626
- (J) INSTALL 31-1625 & 31-1626
BACK TO BACK

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1.

SIGNS AND PAVEMENT MARKINGS ON DRIVEWAYS TO BE MAINTAINED BY OTHERS.

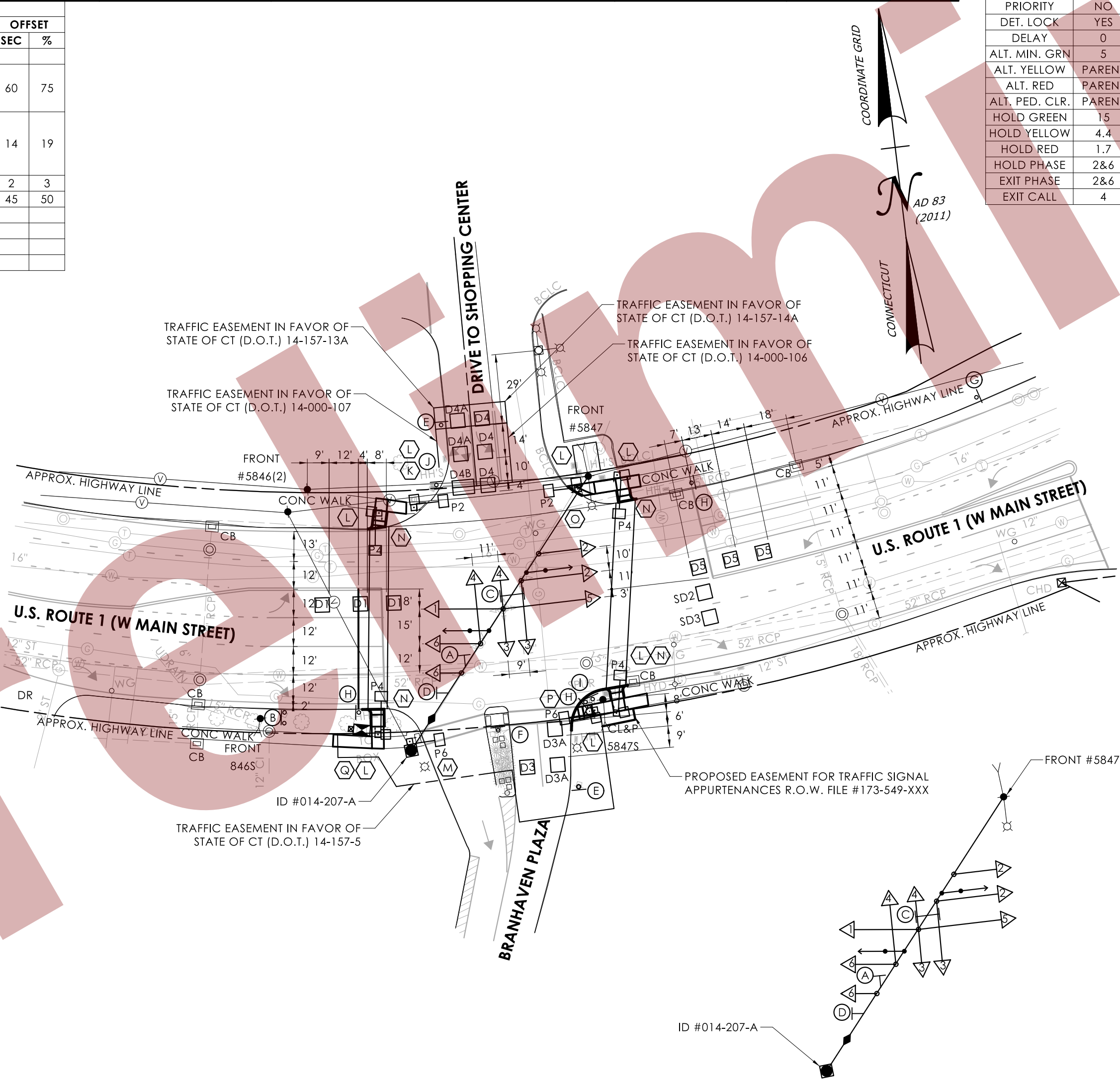
EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF BRANFORD.

30" X 30" HANDHOLE.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
014-207-A	32'	22"	10,000	2013



SPAN WIRE ELECTRICAL CALLOUTS
(NOT TO SCALE)

Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 014-207
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - DEVELOPER	ADDRESS # 67
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - FRONT #5847
APPROVED BY						UNMETERED SERVICE
APPROVED DATE						

SCALE: 1" = 40'

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



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

U.S. ROUTE 1 (WEST MAIN STREET) AT BRANHAVEN PLAZA

TOWN(S): **BRANFORD**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173-0549

DRAWING NO.:

TCS-01

[illegible][illegible]

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

SIGN LEGEND

- (A) INSTALL 31-1625 & 31-1626
(BACK TO BACK)
- (B) RELOCATE EXISTING STREET NAME SIGNS

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1 AND ALL STOP BARS.

CITY OF BRIDGEPORT TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON WELLS STREET.

EMERGENCY PRE-EMPTION TO BE OWNED AND MAINTAINED BY THE CITY OF BRIDGEPORT.

CAT5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

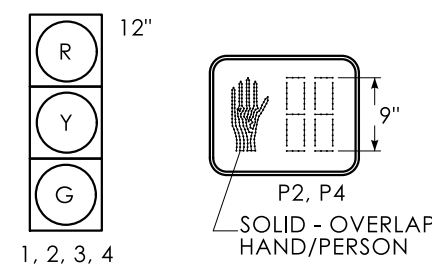
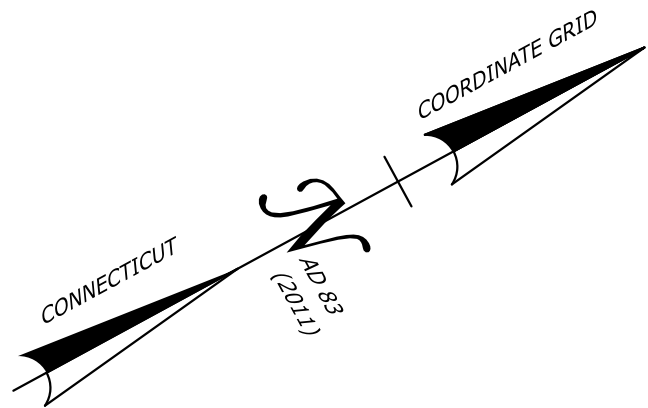
- CAST IRON HANDHOLE COVER.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	YEAR INSTALLED
015-231-A	28'	24"	2015
015-231-B	28'	24"	2015
015-231-C	28'	24"	2015

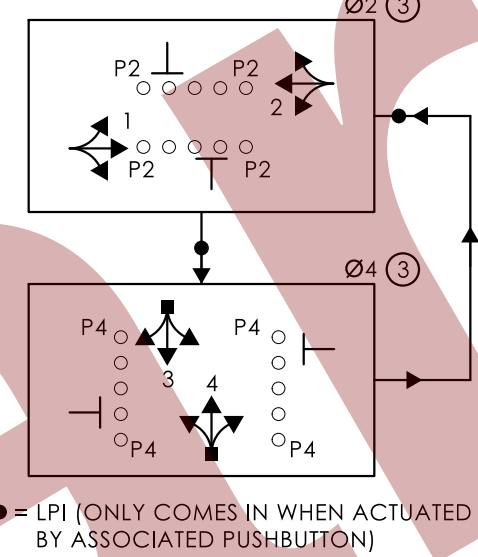
SPAN WIRE ELECTRICAL CALLOUTS
(NOT TO SCALE)



ALL INDICATIONS HAVE LED LAMPS

FACES 1, 2, 3, 4 TO HAVE BACKPLATES WITH
RETROREFLECTIVE YELLOW BORDER

PHASING DIAGRAM



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, INCLUDING ABANDONED HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

REVISE TIMINGS AND OPERATION AS SHOWN

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.

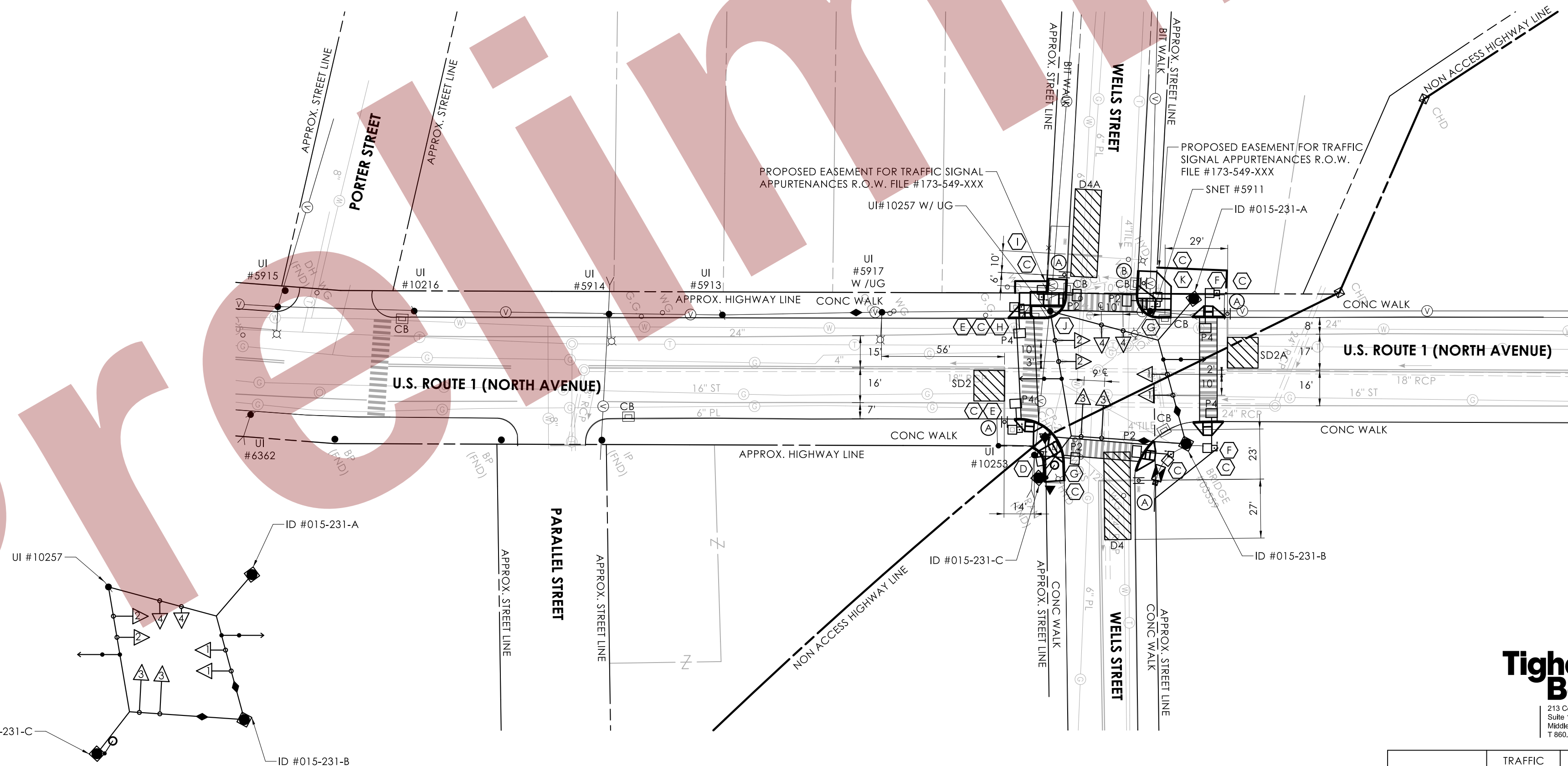
COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

- (C) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (D) PROTECT EXISTING SURVEY MONUMENT LOCATED ON THE SOUTHEAST CORNER OF THE INTERSECTION, WORK TO BE PAID UNDER ITEM #0202560A.
- (E) REMOVE EXISTING 8" 3 SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (F) REMOVE EXISTING 8" 3 SECTION SIGNAL HEAD AND PUSHBUTTON ON SPAN POLE ID #015-231-A AND #015-231-B.
- (G) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
- (H) INSTALL TYPE 18 (LEFT) SIDEWALK RAMP PER GUIDE SHEET.
- (I) INSTALL TYPE 21 (MODIFIED) SIDEWALK RAMP PER GUIDE SHEET.
- (J) REMOVE EXISTING CONCRETE SIDEWALK OUTSIDE THE LIMITS OF THE PROPOSED SIDEWALK, FURNISH AND PLACE TOPSOIL, ESTABLISH TURF, AND INSTALL EROSION CONTROL MATTING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, AND #0950013.
- (K) CONSTRUCT CONCRETE SIDEWALK TO ENSURE 4' MIN CLEAR PATH AROUND PROPOSED PEDESTAL.

PAVEMENT MARKING NOTES:

INSTALL NEW CROSSWALKS ACROSS ALL LEGS OF THE INTERSECTION AS SHOWN.
ERADICATE EXISTING CROSSWALKS AND ALL PAVEMENT MARKINGS WITHIN 4' OF
NEW CROSSWALKS.



Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 015-231
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - TOWN	ADDRESS #
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - SNET #5911
APPROVED BY						METERED SERVICE
APPROVED DATE						

SCALE: 1" = 40'

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

LASTED SAVED BY: JValencia-Contreras FILE NAME: C:\Users\KHuang\State of Connecticut\0173-0549 - Design\Traffic\Contract_Plans\TR_CP_0173_0549_Signal_015_231.dgn
PLOTTED DATE: 7/15/2026

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # TIR # N/A SM # N/A SIGNAL REVISED:	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.		INSTALLED CROSSWALKS ON U.S. ROUTE 1 EAST LEG AND U.S. ROUTE 1 SLIP RIGHT TURN LANE, INSTALLED	
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.		COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT	
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.		PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.	
TIMINGS SHOWN REFLECT FREE OPERATION. ACTUAL PHASE SPLITS TO BE DETERMINED BY CLIC SYSTEM.			
PRE-EMPTION EQUIPMENT TO BE INOPERATIVE DURING FLASHING OPERATION.			
ARTERY PHASE LOOPS TO BE NON-ACTUATING DURING COORDINATION.			
SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN TIMINGS IS CALLED DURING PATTERNS 2 & 3.			

PAVEMENT MARKING NOTES:

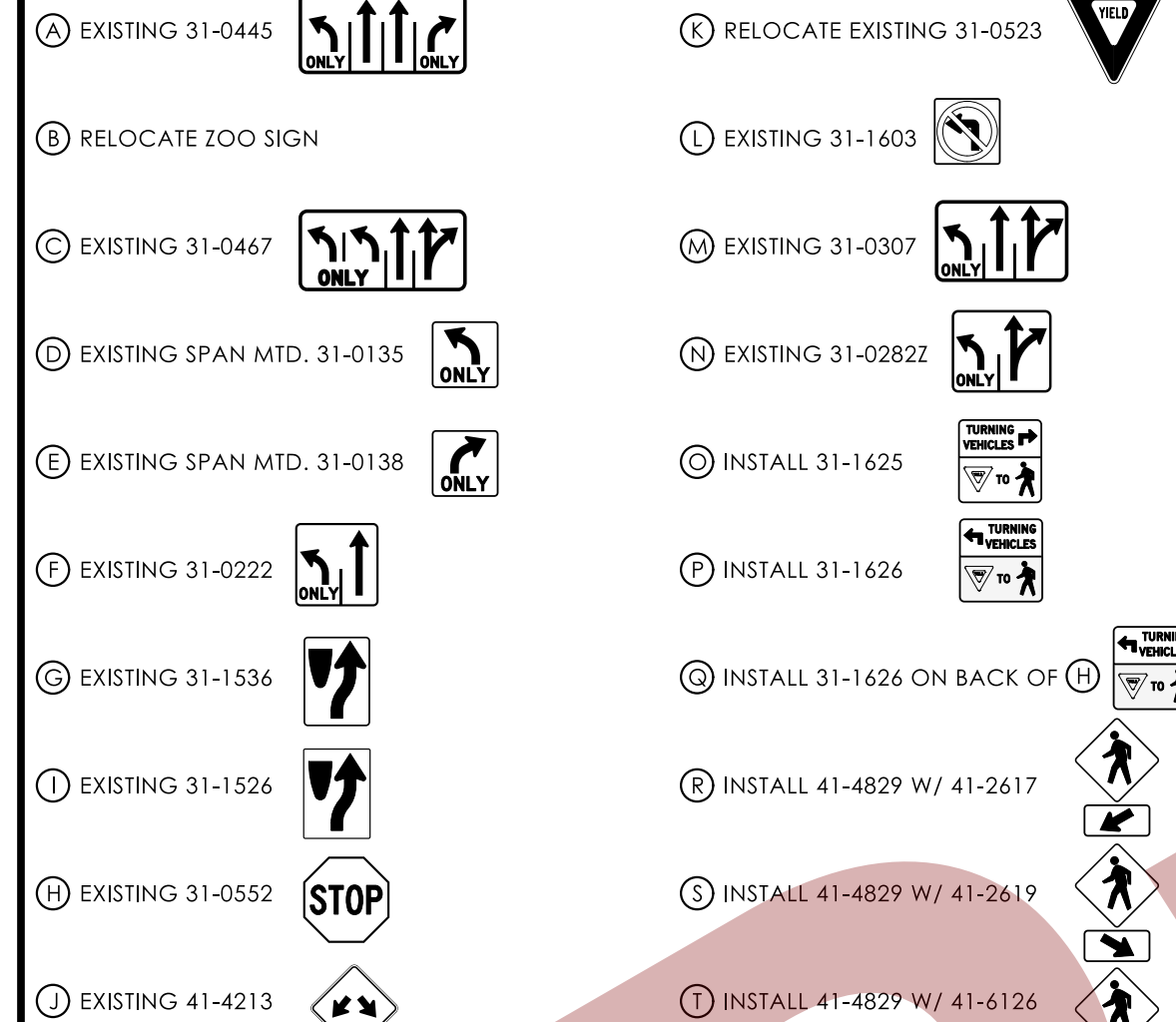


ALL INDICATIONS HAVE LED LAMPS.

ALL OVERHEAD SIGNAL HEADS HAVE BACKPLATES WITH RETROREFLECTIVE YELLOW BORDER.

CLOSED LOOP DETECTOR CHART	
DETECTOR ID	DETECTOR #
D1	1
D2	2
D2A	3
D4	4
D4A	5
D4B	6
D5A/D5A1	7
D5B/D5B1	8
D6,D6A	9
D6B	10
SD1	11
SD2	12
SD3	13
SD4	14
SD5	-
SD6	-
D4C	15
D4C REAR	16

SIGN LEGEND



NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1, S.R. 722, AND ALL STOP BAR.

CITY OF BRIDGEPORT TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON GLENWOOD AVENUE.

EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF BRIDGEPORT.

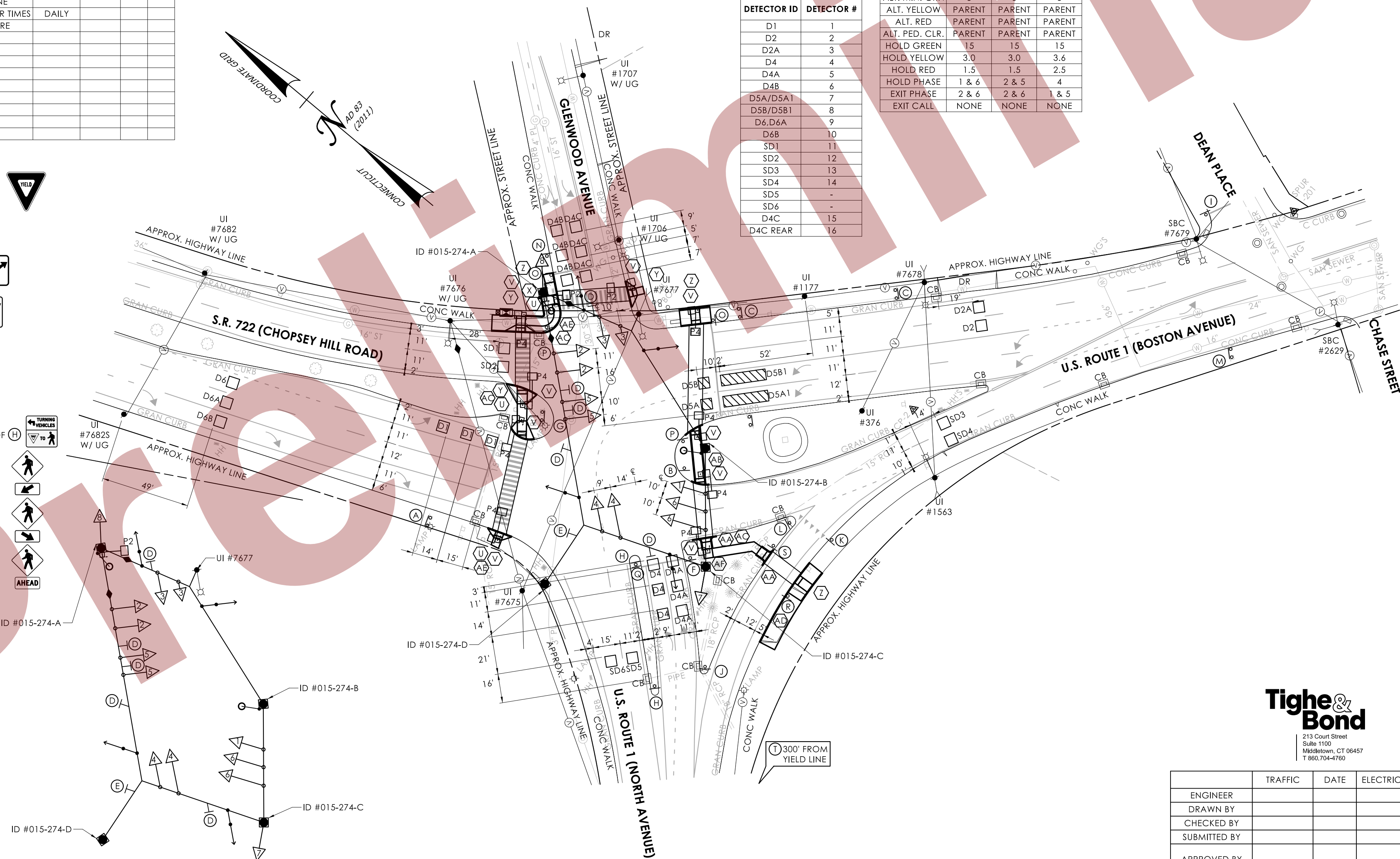
W 30" X 30" HANDHOLE.

ALL CROSSWALKS ARE BAR TYPE.

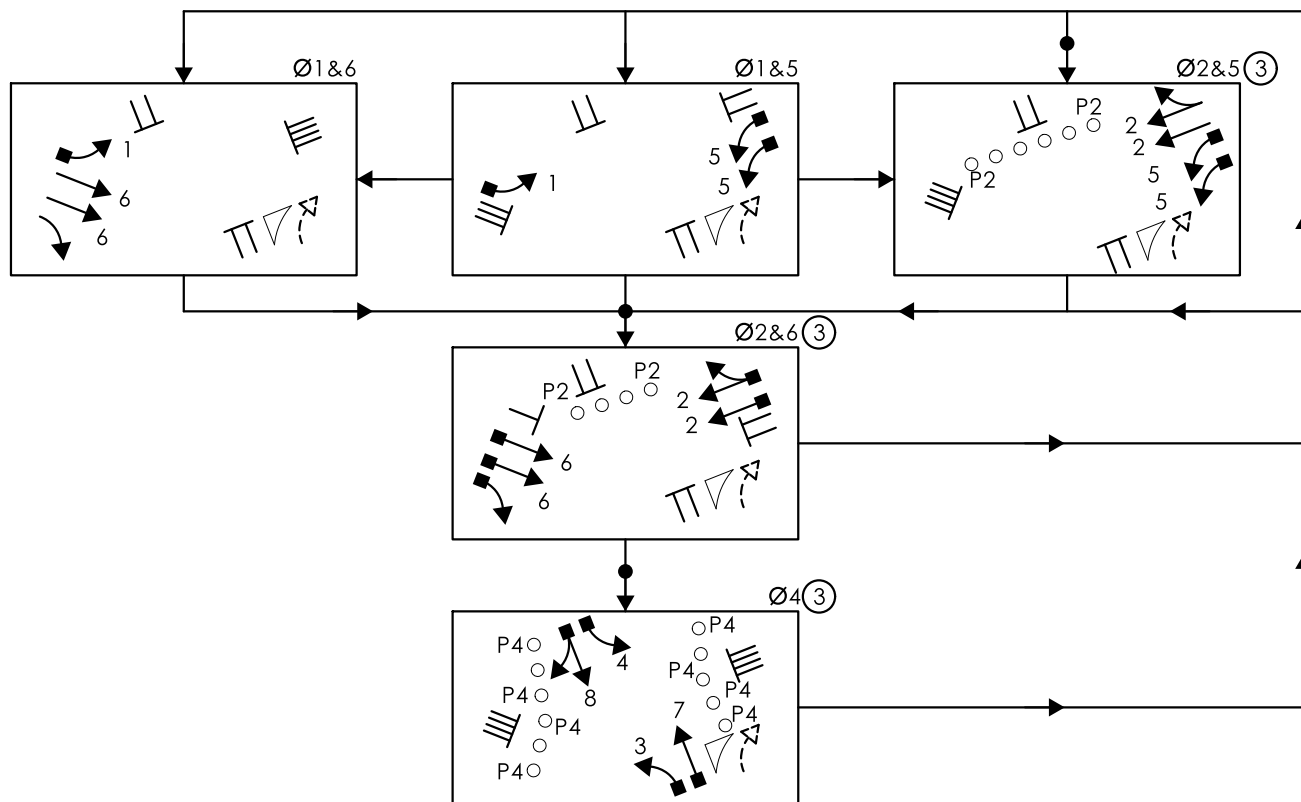
SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	YEAR INSTALLED
015-274-A	32'	24"	2015
015-274-B	32'	24"	2015
015-274-C	30'	24"	2015
015-274-D	32'	24"	2015

SPAN WIRE ELECTRICAL CALLOUTS
(NOT TO SCALE)



PHASING DIAGRAM:



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

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 015-274
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS # SYST. #31, LOC. #6
SUBMITTED BY					MAINT LEVEL 1	SERVICE POLE - U.I. #7667
APPROVED BY						METERED SERVICE
APPROVED DATE						

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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

**U.S. ROUTE 1 (NORTH AVENUE & BOSTON AVENUE) AT S.R. 722 (CHOPSEY HILL ROAD)
AND GLENWOOD AVENUE**

TOWN(S): **BRIDGEPORT**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

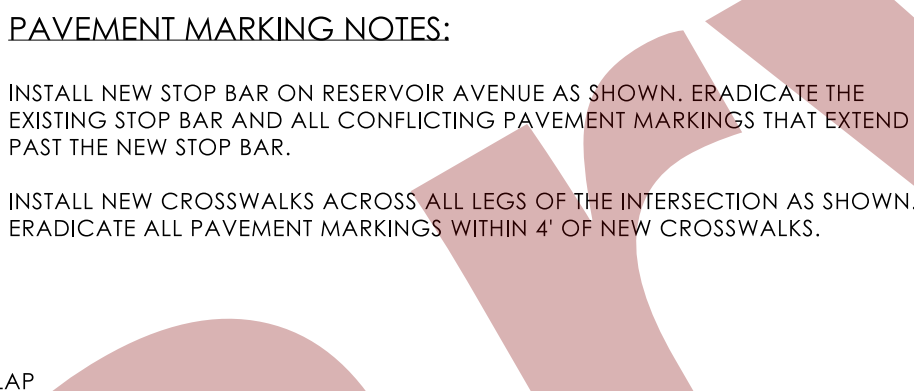
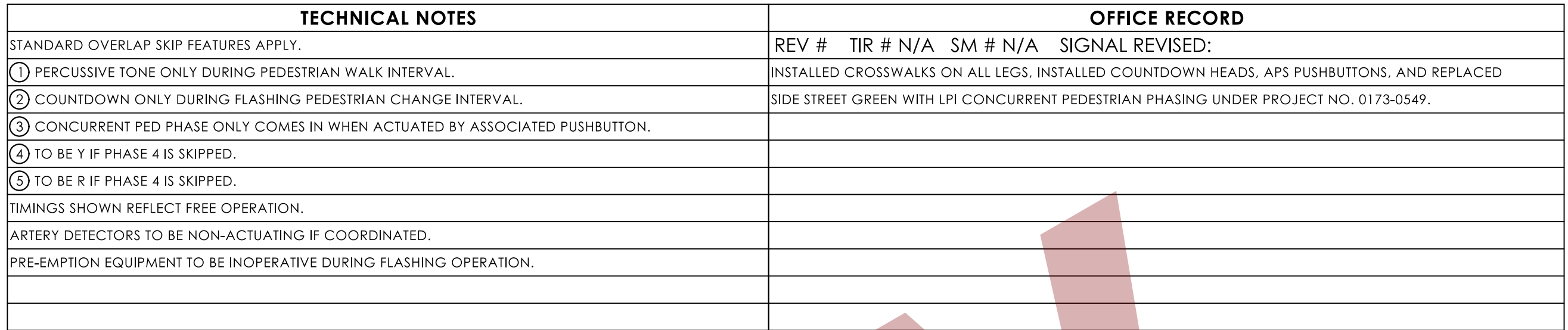
PROJECT NO.:

0173 0549

DRAWING NO.:

ICS-03

SHEET NO.



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.

REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN.

MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISION CABINET WIRING DIAGRAMS AND EMAIL A PDF COPY TO DOT.SIGNALLAB@CT.GOV. LEAVE ONE COPY IN THE CONTROLLER CABINET.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE CONTROLLER CABINET WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

REMOVE EXISTING 4' PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.

REMOVE PUSHBUTTON FROM EXISTING CONTROLLER CABINET.

INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.

INSTALL TYPE 9 SIDEWALK RAMP PER GUIDE SHEET.

INSTALL TYPE 10B SIDEWALK RAMP PER GUIDE SHEET.

INSTALL TYPE 11 SIDEWALK RAMP PER GUIDE SHEET.

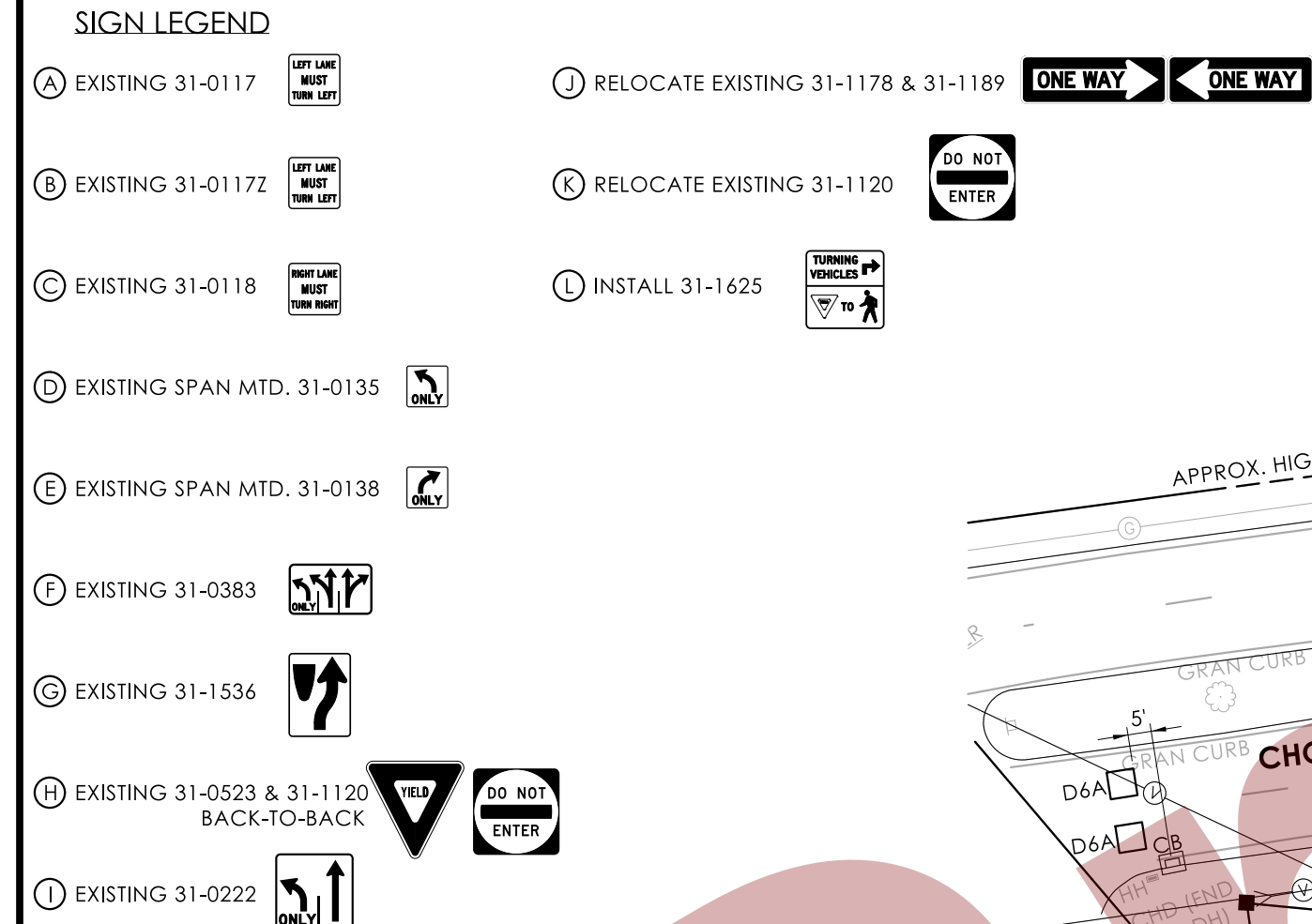
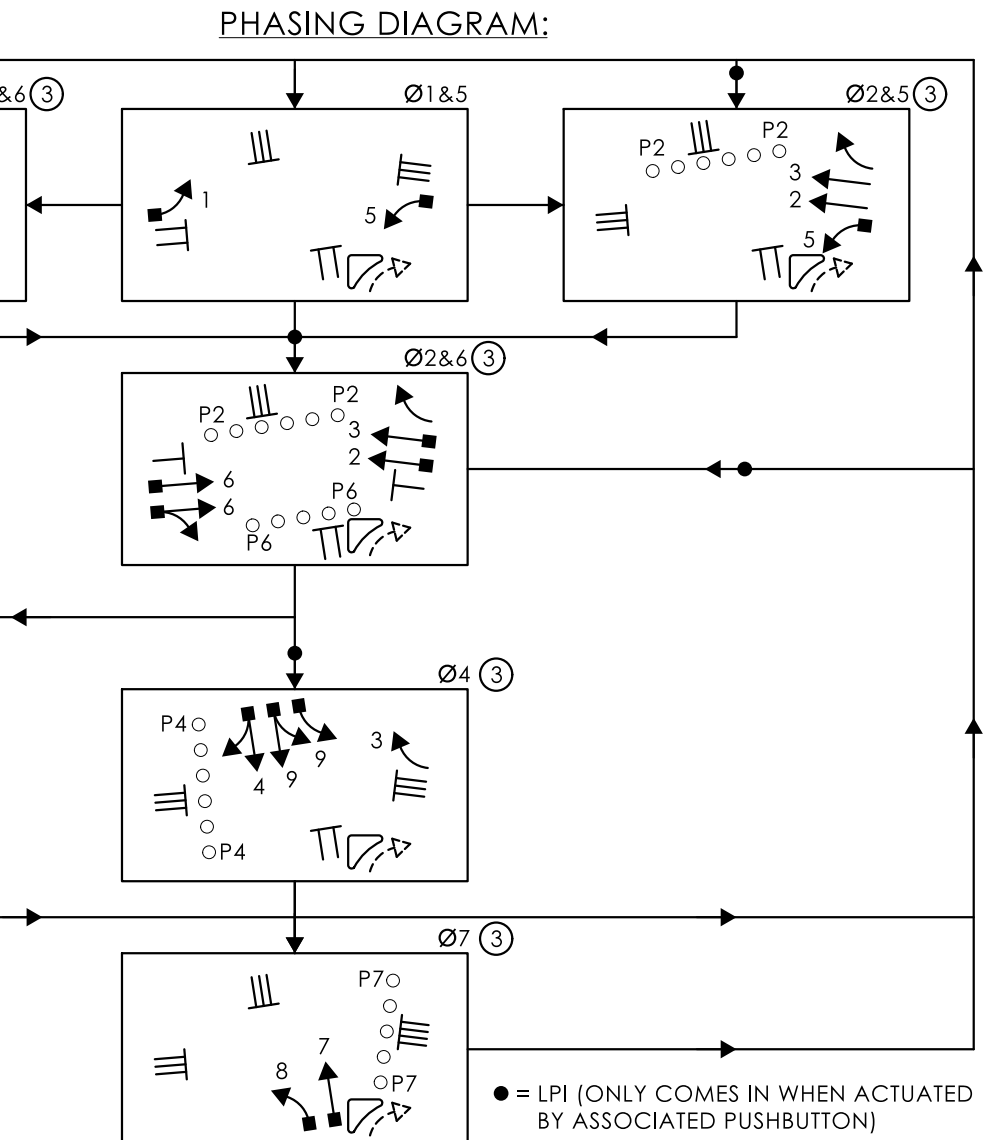
INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.

INSTALL TYPE 23 SIDEWALK RAMP PER GUIDE SHEET.

REMOVE MEDIAN ISLAND THAT EXTENDS INTO PROPOSED CROSSWALK. RESET GRANITE CURBING AND RESTORE PAVEMENT SURFACE. WORK TO BE PAID UNDER ITEMS #0202000, #0814002, AND #0406128.30.

CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.

REMOVE EXISTING CONCRETE SIDEWALK OUTSIDE OF THE LIMITS OF THE PROPOSED SIDEWALK. FURNISH AND PLACE TOPSOIL, ESTABLISH TURF, AND INSTALL EROSION CONTROL MATTING. WORK TO BE PAID UNDER ITEM



SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)
015-275-A	32'	22"	10,000
015-275-B	32'	22"	10,000
015-275-C	32'	22"	10,000



SCALE: 1" = 40'

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 015-275
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS # 7
SUBMITTED BY					MAINT LEVEL 1	SERVICE POLE - UI #7691
APPROVED BY						METERED SERVICE
APPROVED DATE						



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

S.R. 722 (CHOPSEY HILL ROAD) AT ROUTE 8 & 25 SOUTHBOUND RAMPS AND RESERVOIR AVENUE

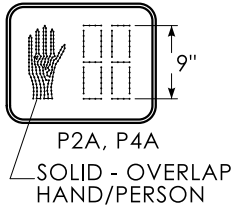
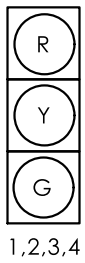
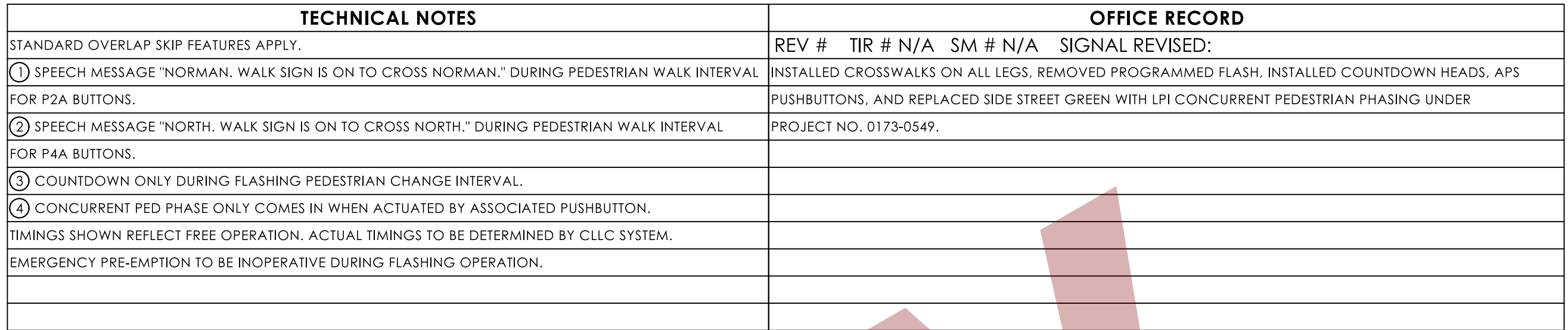
TOWN(S): **BRIDGEPORT**

DRAWING TITLE:

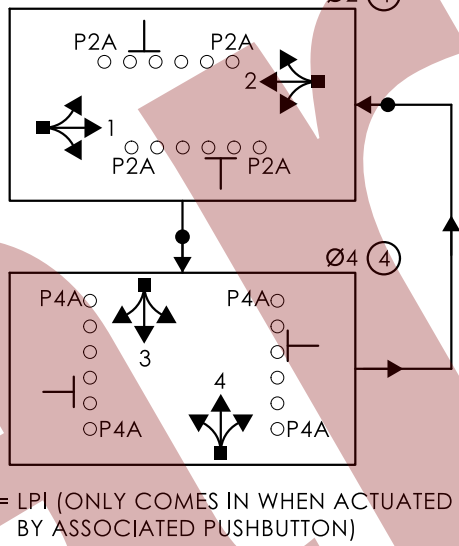
**TRAFFIC CONTROL
SIGNAL PLAN**

PROJECT NO.:
0173-0549

DRAWING NO.:
TCS-04
SHEET NO.:



ALL INDICATIONS HAVE LED LAMPS



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

PRE-EMPTION SETTINGS	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	PARENT
HOLD GREEN	15
HOLD YELLOW	3.3
HOLD RED	1.0
HOLD PHASE	2
EXIT PHASE	4
EXIT CALL	NONE

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

SIGN LEGEND

SIGN LEGEND



ⓑ INSTALL 31-1625



© INSTALL 31-1626



④ INSTALL 31-1626 ON BACK OF (



(E) RELOCATE STREET NAME SIGN

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1 AND ALL STOP BARS.

CITY OF BRIDGEPORT TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON NORMAN STREET.

EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF BRIDGEPORT.

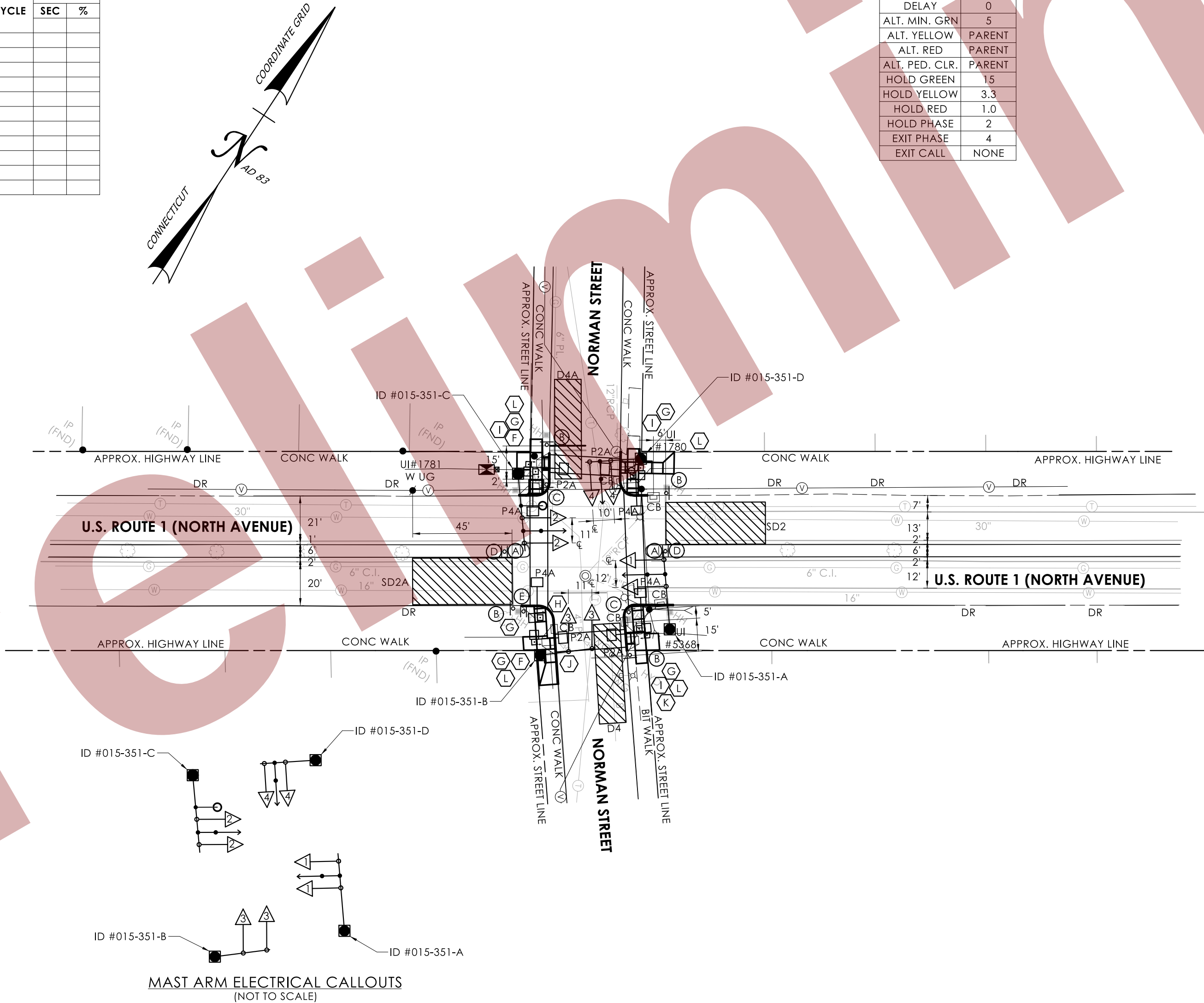
CAT5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER.

ALL CROSSWALKS ARE BAR TYPE.

MAST ARM INFORMATION

ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	LOADING # I, II, III	VEHICLE SPEED (40, 55, OR 65 MPH)
015-351-A	20'	35'	III	55
015-351-B	20'	25'	II	55
015-351-C	20'	35'	III	55
015-351-D	20'	25'	II	55

ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE ARM BY USE OF FIXED MOUNTED BRACKETS. REFER TO MAST ARM DESIGN CRITERIA TYPICAL SHEET.



MAST ARM ELECTRICAL CALLOUTS
(NOT TO SCALE)

Tighe & Bond

213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 015-351
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - UI #1781
APPROVED BY						METERED SERVICE - #016023955
APPROVED DATE						

SCALE: 1" = 40'

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0173-0549	DRAWING NO.: TCS-05
		SHEET NO.:

[illegible]

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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

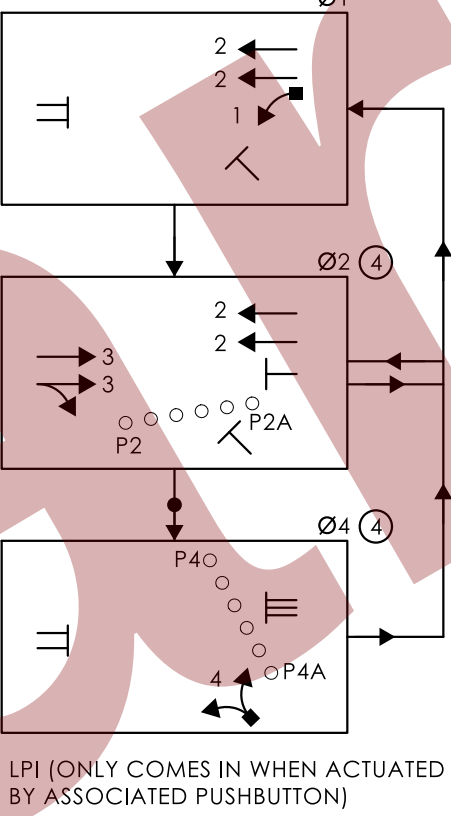
U.S. ROUTE 1 (NORTH AVENUE) AT NORMAN STREET

TOWN(S): **BRIDGEPORT**

LASTED SAVED BY: JValencia-Contreras FILE NAME: C:\Users\KHuang\State of Connecticut\0173-0549 - Design\Traffic\Contract_Plans\TR_CP_0173_0549_Signal_015_351.dgn
PLOTTED DATE: 7/15/2026

TECHNICAL NOTES	OFFICE RECORD
STANDARD OVERLAP SKIP FEATURES APPLY.	REV # TIR # N/A SM # N/A SIGNAL REVISED:
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "WILLIAM. WALK SIGN IS ON TO CROSS WILLIAM." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.	REMOVED PROGRAMMED FLASH, INSTALLED CROSSWALKS ON U.S. ROUTE 1 EAST LEG AND WILLIAM STREET, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTON. SPEECH MESSAGE "BOSTON. WALK SIGN IS ON TO CROSS BOSTON." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.	PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.	
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.	
TIMINGS SHOWN REFLECT FREE OPERATION. ACTUAL TIMINGS TO BE DETERMINED BY CLLC SYSTEM.	
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.	
SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN BUTTON IS PUSHED DURING PATTERNS 1, 2, OR 3.	

PRE-EMPTION SETTINGS	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	PARENT
HOLD GREEN	15
HOLD YELLOW	3.3
HOLD RED	1.8
HOLD PHASE	2
EXIT PHASE	4
EXIT CALL	NONE



ALL INDICATIONS HAVE LED LAMPS.

FACE 4 INDICATIONS HAVE TUNNEL VISORS.

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.
INCLUDING ABANDONED HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

REVISE TIMINGS AND OPERATION AS SHOWN

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE
MAST ARM WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

- (G) REMOVE EXISTING 8" 3 SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (H) REMOVE EXISTING PUSHBUTTON ON MAST ARM ID #015-352-A.
- (I) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (J) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
- (K) INSTALL TYPE 9 SIDEWALK RAMP PER GUIDE SHEET.
- (L) REMOVE EXISTING CONCRETE SIDEWALK RAMP AND CONSTRUCT CONCRETE SIDEWALK WITH CONCRETE CURBING. WORK TO BE PAID UNDER ITEMS #0202513, #0921001, AND #0811001.
- (M) TRIM SHRUBS AS NEEDED OR AS DIRECTED BY THE ENGINEER TO INSTALL ALUMINUM PEDESTAL. WORK TO BE PAID UNDER ITEM #0952001A - SELECTIVE CLEARING AND THINNING.

PAVEMENT MARKING NOTES:

INSTALL NEW CROSSWALKS ACROSS U.S. ROUTE 1 EAST LEG AND WILLIAM STREET
ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1
AND ALL STOP BARS.

CITY OF BRIDGEPORT TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON WILLIAM STREET.

EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF BRIDGEPORT.

PERMANENT EASEMENT GRANTED TO THE STATE OF CONNECTICUT FOR
THE INSTALLATION AND MAINTENANCE OF TRAFFIC SIGNAL
APPURTENANCES.

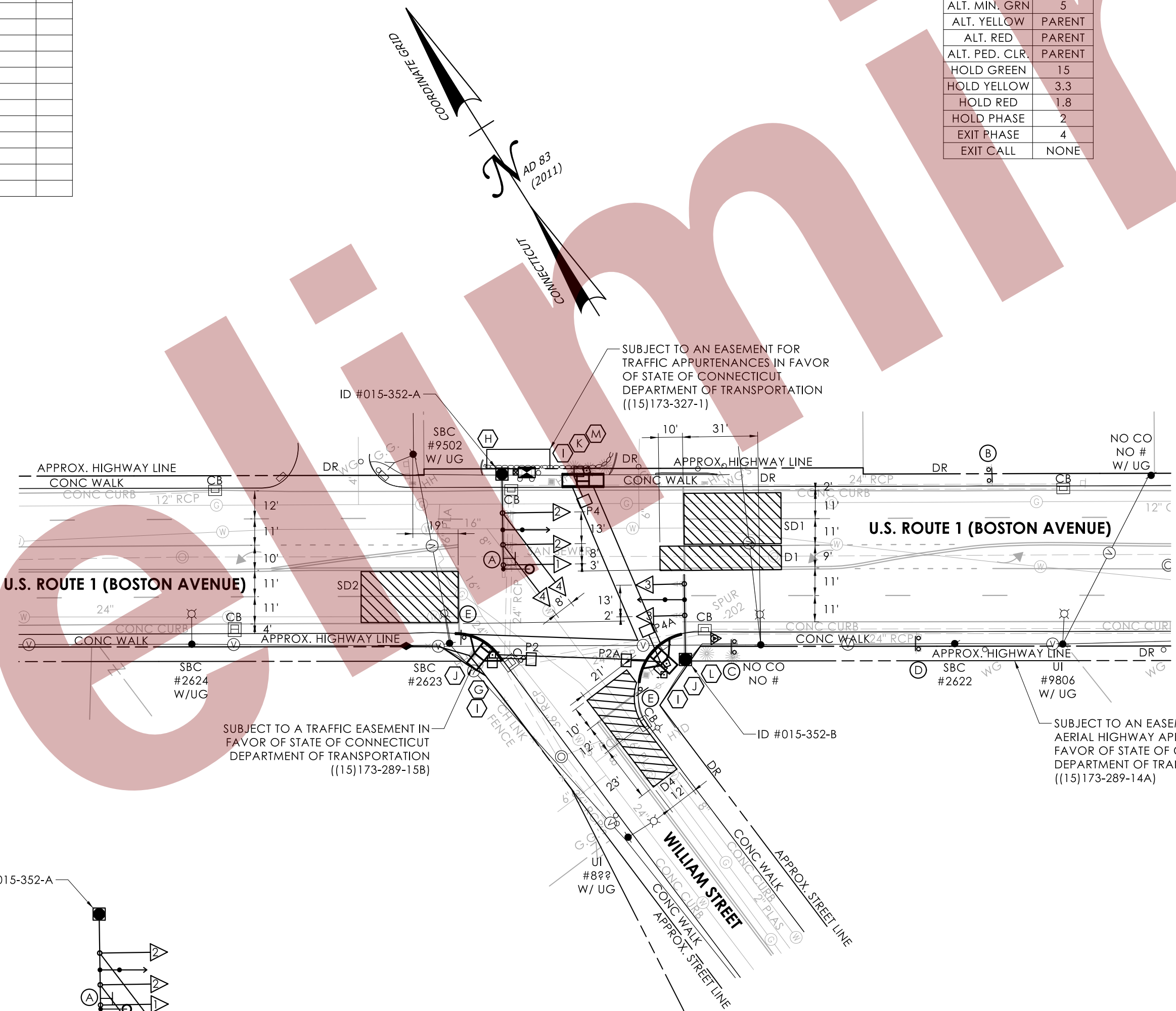
CAT5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER

W 30" X 30" HANDHOLE.

ALL CROSSWALKS ARE BAR TYPE.

MAST ARM INFORMATION

ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED
015-352-A	20'	40'	2009
015-352-B	20'	35'	2009



MAST ARM ELECTRICAL CALLOUTS
(NOT TO SCALE)

Tighe & Bond

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 015-352
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - SBC #2623
APPROVED BY						METERED SERVICE - #016038656
APPROVED DATE						

[illegible]

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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

U.S. ROUTE 1 (BOSTON AVENUE) AT WILLIAM STREET

TOWN(S): **BRIDGEPORT**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173-0549

DRAWING NO.:

TCS-06

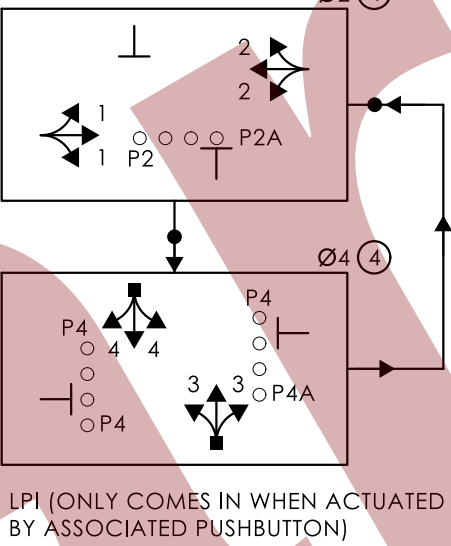
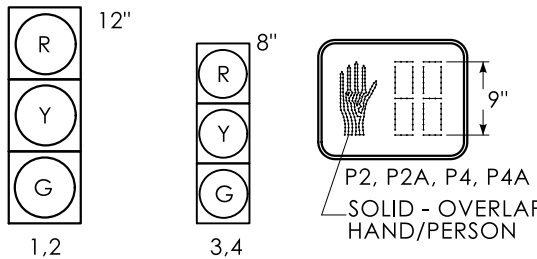
SHEET NO.:

MOVEMENT DIAGRAM																														
NTOR		PHASE 1			PHASE 2				PHASE 3			PHASE 4				PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9		
FACE #	FLASH	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
	1	R			R	G	Y	R				R	R	R	R															
	2	R			R	G	Y	R				R	R	R	R															
	3	R			R	R	R	R				R	R	R	R															
	4	R			R	R	R	R				R	G	Y	R															
	P2A	OFF			←WØ			→DW				←WØ			→DW															
	P4A	OFF			←WØ			→DW				←WØ			→DW															

MOVEMENT DIAGRAM																																
NTOR			PHASE 1			PHASE 2 PRE-EMPT 1			PHASE 3			PHASE 4			PHASE 5 PRE-EMPT 2			PHASE 6			PHASE 7			PHASE 8			PHASE 9					
FACE #	1	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			
	2	Y	← G	←	↑ G	↑	Y	Y	↑	Y	Y	↑	Y	Y	← G	←	↑ G	←	Y	Y	← G	←	Y	Y	←	Y	Y	←	Y			
	3	Y	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
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	5	R	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
	7	Y	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
	8	Y	← G	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
	9	R	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
	10	Y	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←			
	11	R	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←		
	12	R	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←		
	13	R	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←		
	14	Y	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←		
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	17	Y	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
	P2/P2A	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	
P4/P4A	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←		
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TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV #	TIR # N/A SM # N/A SIGNAL REVISED:
TIMINGS SHOWN INDICATE "FREE" OPERATION.		REMOVED PROGRAMMED FLASH, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET	
ACTUAL TIMINGS TO BE DETERMINED BY CLOSED LOOP LOCAL COORDINATION UNIT.		GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "FAIR. WALK SIGN IS ON TO CROSS FAIR." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.			
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTONS. SPEECH MESSAGE "BOSTON POST. WALK SIGN IS ON TO CROSS BOSTON POST." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.			
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			
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.

REVISE TIMINGS AND OPERATION AS SHOWN.

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE CONTROLLER CABINET WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED

- (D) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (E) REMOVE EXISTING CONCRETE SIDEWALK RAMP OUTSIDE THE LIMITS OF THE PROPOSED SIDEWALK RAMP, FURNISH AND PLACE TOP SOIL, ESTABLISH TURF, INSTALL EROSION CONTROL MATTING, AND INSTLL CONCRETE CURBING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, #0950013, AND #0811001.
- (F) REMOVE EXISTING 4 FOOT PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (G) REMOVE EXISTING 8 FOOT PEDESTAL, 8" x 3 SECTION SIGNAL HEAD, PUSHBUTTON AND PEDESTAL FOUNDATION.
- (H) REMOVE EXISTING PUSHBUTTON FROM CONTROLLER CABINET.
- (I) INSTALL TYPE 7 SIDEWALK RAMP PER GUIDE SHEET.
- (J) INSTALL TYPE 9 SIDEWALK RAMP PER GUIDE SHEET.
- (K) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
- (L) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.

PAVEMENT MARKING NOTES:

REPLACE CROSSWALKS ACROSS U.S. ROUTE 1 EAST LEG AND FAIR STREET SOUTH LEG AS SHOWN. ERADICATE EXISTING CROSSWALKS AND ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

SIGN LEGEND

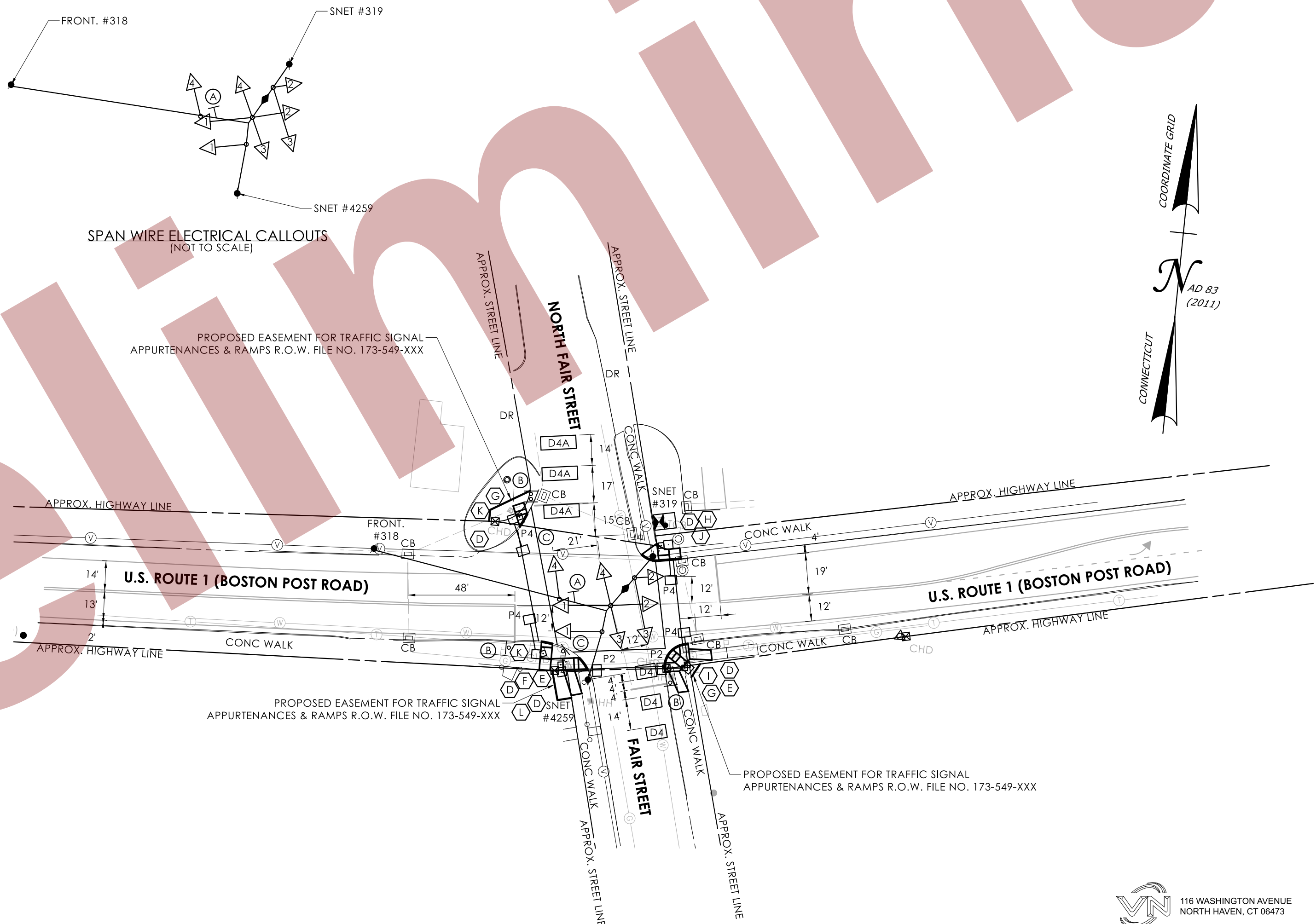
(A) EXISTING SPAN MTD. 31-0823	
(B) INSTALL 31-1625	
(C) INSTALL 31-1626	

SIGN LEGEND

(A) EXISTING SPAN MTD. 31-0823

ⓑ INSTALL 31-1625

© INSTALL 31-1626



NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1 AND ALL STOP BARS.

TOWN OF GUILFORD TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON FAIR STREET AND NORTH FAIR STREET.

ALL CROSSWALKS ARE BAR TYPE

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 059-204
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - TOWN	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - SNET 319
APPROVED BY						UNMETERED SERVICE
APPROVED DATE						

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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

U.S. ROUTE 1 (BOSTON POST ROAD) AT FAIR STREET AND NORTH FAIR STREET

TOWN(S): **GUILFORD**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

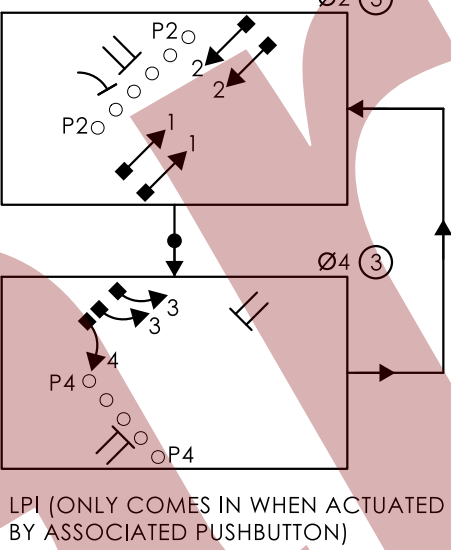
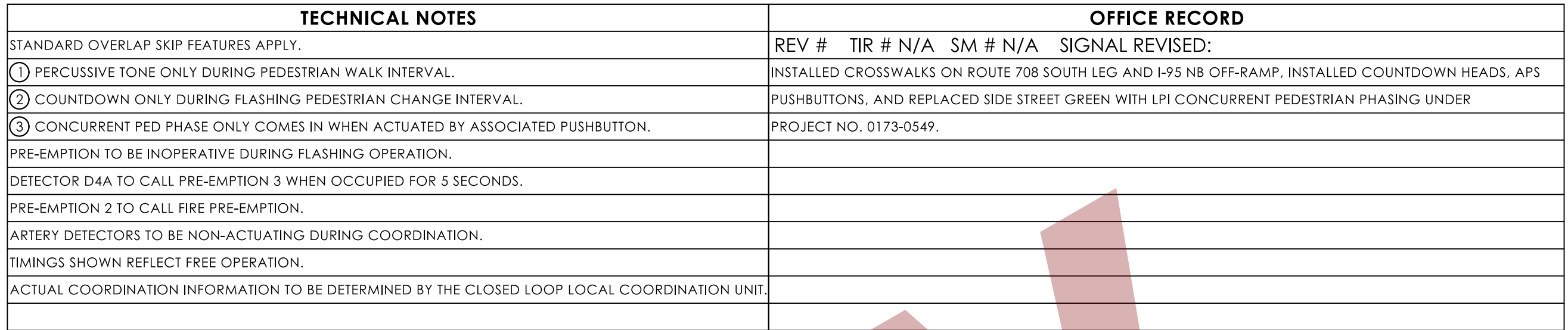
PROJECT NO.:

0173 0549

DRAWING NO.:

TCS-10

SHEET NO. 1



ALL INDICATIONS HAVE LED LAMPS.

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.

REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

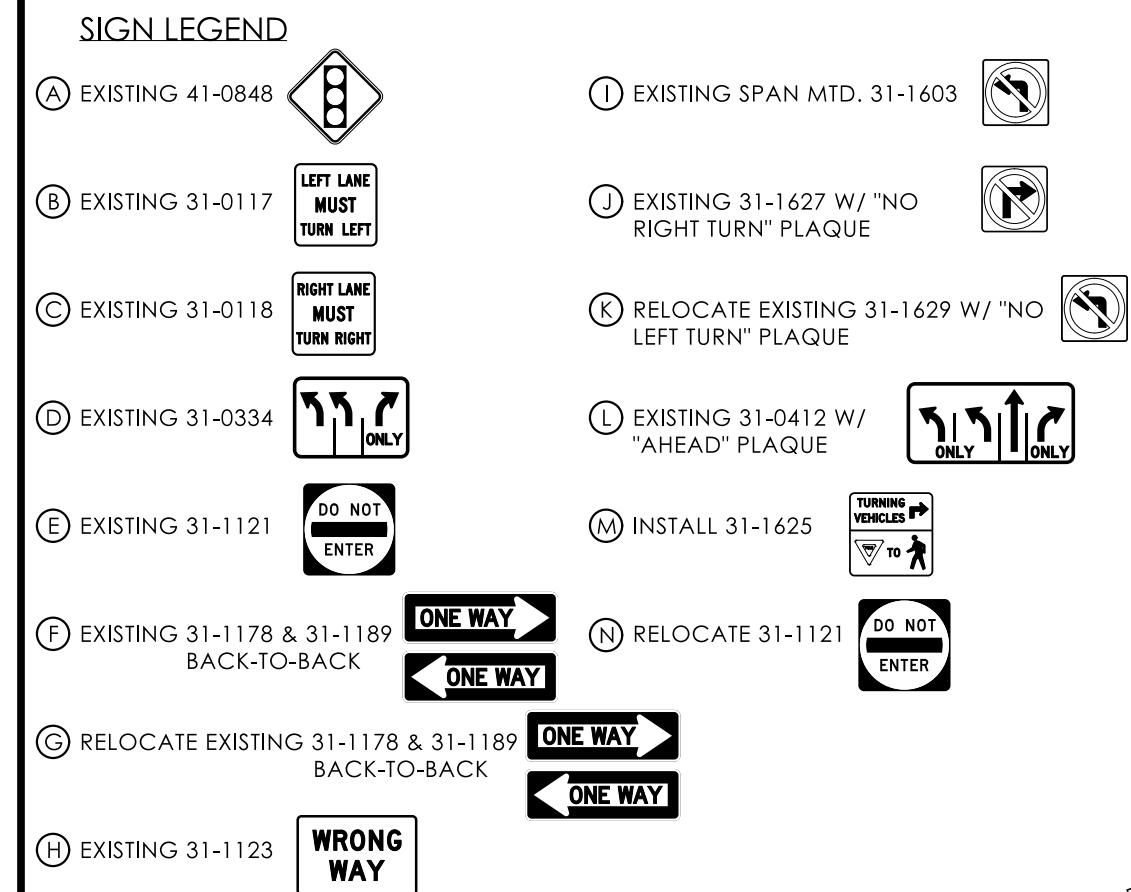
- C. INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- F. REMOVE EXISTING 8" 3 SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- G. INSTALL TYPE 4 (MODIFIED) SIDEWALK RAMP PER GUIDE SHEET.
- H. INSTALL TYPE 10B SIDEWALK RAMP PER GUIDE SHEET.
- S. INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
- T. INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
- U. CONSTRUCT SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.

REMOVE EXISTING CONCRETE SIDEWALK OUTSIDE THE LIMITS OF THE PROPOSED SIDEWALK, FURNISH AND PLACE TOPSOIL, ESTABLISH TURF, AND INSTALL EROSION CONTROL MATTING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, AND #0950013.

PAVEMENT MARKING NOTES:

INSTALL NEW STOP BAR ON I-95 NB OFF-RAMP AS SHOWN. ERADICATE THE EXISTING STOP BAR AND PAVEMENT MARKINGS THAT EXTEND BEYOND THE NEW STOP BAR.

INSTALL NEW CROSSWALKS ACROSS ROUTE 708 NORTH LEG AND I-95 NB OFF-RAMP
AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS



NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON ROUTE 708, I-95 NB OFF-RAMP, CHANNELIZING LINES, AND ALL STOP BARS.

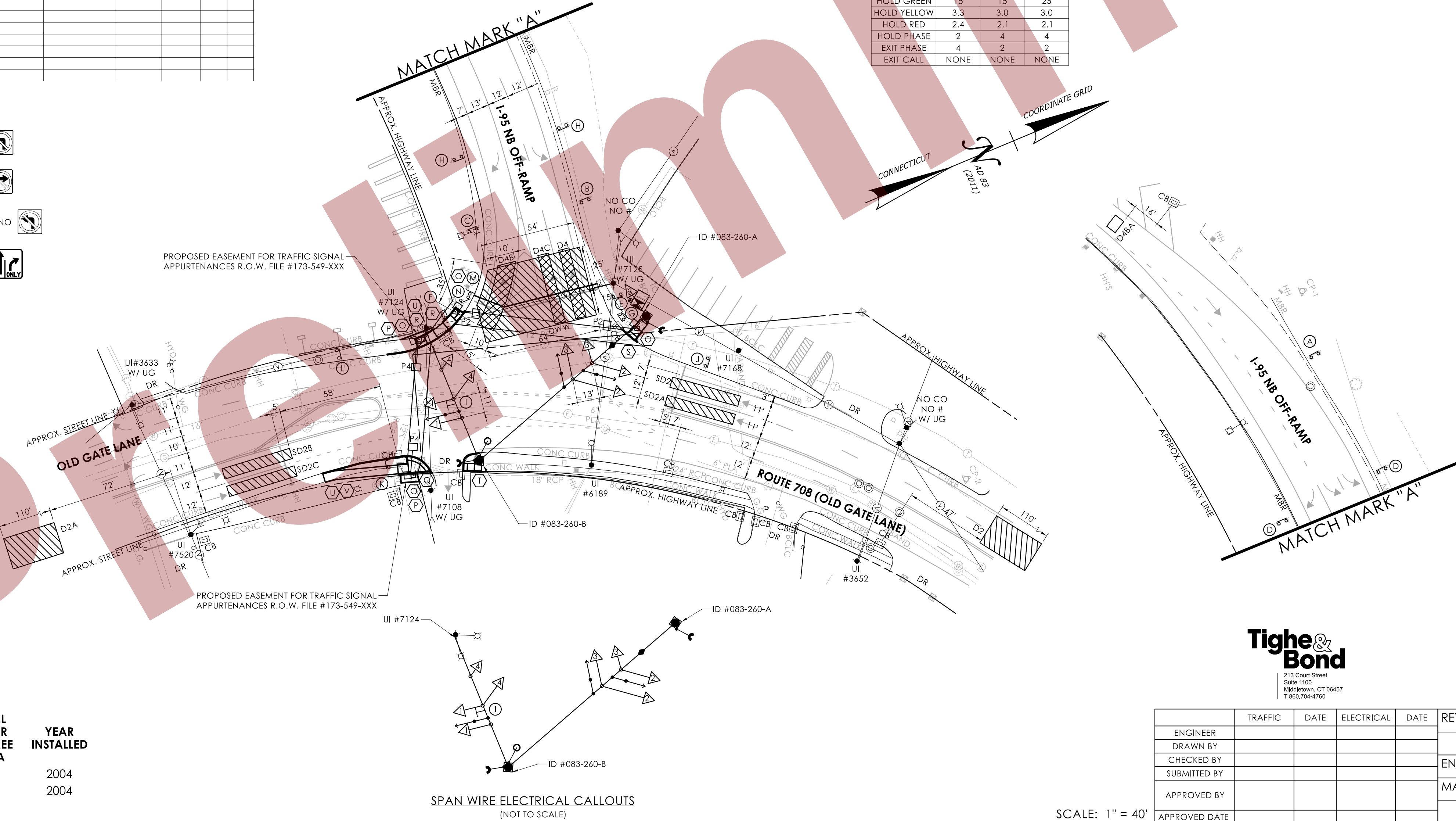
CITY OF MILFORD TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON OLD GATE LANE.

EMERGENCY PRE-EMPTION TO BE OWNED AND MAINTAINED BY THE CITY OF MILFORD.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	VERTICAL RISER FOR 360 DEGREE CAMERA	YEAR INSTALLED
083-260-A	30'	20"	7,800	N/A	2004
083-260-B	30'	20"	7,800	10'	2004



SCALE: 1" = 40'

Tighe & Bond

213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 083-260
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS #189
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - UI #7125
APPROVED BY						METERED SERVICE #064125051
APPROVED DATE						

DRAWING TITLE:

**TRAFFIC CONTROL
SIGNAL PLAN**

PROJECT NO.:
0173-0549

DRAWING NO.:
TCS-12
SHEET NO.:

LEGEND:	FL FLASHING	--- DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING	PROPOSED HANDHOLD
	R RED	--- PROPOSED RMC	EXISTING STEEL SPAN POLE	PEDESTAL MOUNTED RFB	EXISTING HANDHOLD
	Y YELLOW	--- EXISTING RMC	PROPOSED UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN	PROPOSED CONTRA' SIGNAL
	G GREEN	--- CABLE CLOSURE	EXISTING UTILITY POLE	DIRECTIONAL ARW. FOR PUSH BUTTON	EXISTING CONTRA' SIGNAL
	W/D WALK/ PED. CLR	VC VIDEO CAMERA CABLE	EXISTING WOOD SPAN POLE	PEDESTRIAN SIGNAL FACE	AUXILIARY EQUIPMENT
D.W. DON'T WALK	RC RADAR CABLE		TRAFFIC SIGNAL FACE	OPTICAL DETECTOR	

LASTED SAVED BY: Jvalencia-Contreras FILE NAME: C:\Users\KHuang\State of Connecticut\0173-0549 - Design\Traffic\Contract Plans\TR_CP_0173_0549_Signal_083_260.dgn
 PLOTTED DATE: 7/15/2026

SPAN WIRE ELECTRICAL CALLOUTS
(NOT TO SCALE)



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

I-95 NB OFF-RAMP AT S.R. 708 (OLD GATE LANE) AND OLD GATE LANE

TOWN(S): **MILFORD**

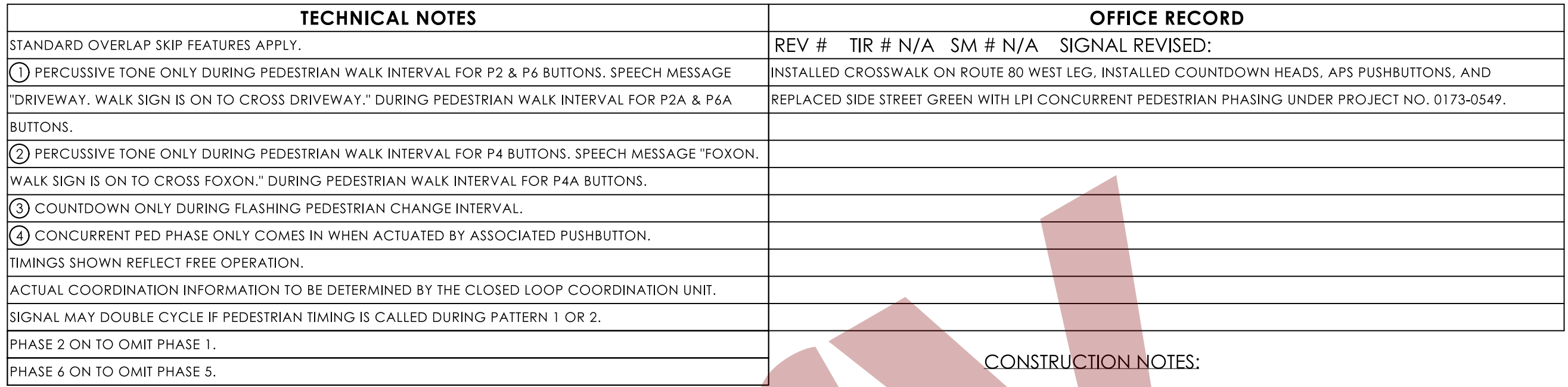
DRAWING TITLE:

PROJECT NO.:

DRAWING NO.:

TCS-12

SHEET NO. :



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.

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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.

REVISE TIMINGS AND OPERATION AS SHOWN

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT
DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

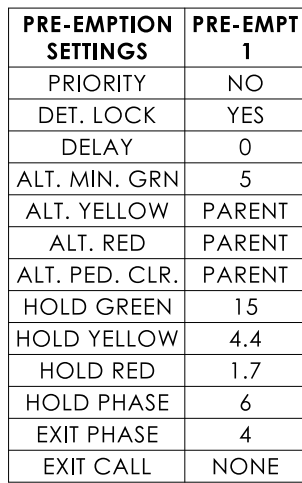
INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE IN THE
MAST ARM WHERE ANY TRAFFIC EQUIPMENT HAS BEEN REMOVED.

- (G) REMOVE EXISTING PUSHBUTTON ON MAST ARM ID #092-312-B AND ID #092-312-C. INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S).
- (H) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (I) INSTALL TYPE 9 SIDEWALK RAMP PER GUIDE SHEET.
- (J) INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.
- (K) INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.

PAVEMENT MARKING NOTES:

INSTALL NEW STOP BAR ON NEW HAVEN BUSINESS PARK DRIVEWAY AS SHOWN.
ERADICATE ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE
NEW STOP BAR.

INSTALL NEW CROSSWALKS ACROSS ROUTE 80 EAST AND WEST LEG AS SHOWN.
ERADICATE EXISTING CROSSWALK AND ALL PAVEMENT MARKINGS WITHIN 4' OF
NEW CROSSWALKS.



213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

DEVELOPER (RETAIL CENTER):
MR. PAUL DENZ
KRYPAC DEVELOPMENT COMPANY
41 TRUMBULL STREET
NEW HAVEN, CT 06510
(203) 787-7740

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 092-312
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - DEVELOPER	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - UI 6916
APPROVED BY						METERED SERVICE - #16038516
APPROVED DATE						

SCALE: 1" = 40'

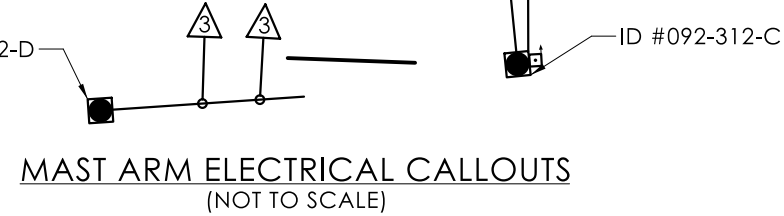
CLOSED LOOP DETECTOR CHART		
DETECTOR ID	LOCAL DETECTOR	SYSTEM DETECTOR
D1		
D1 REAR	LD2	SD1
D4	LD3	-
*D4 REAR	LD4	SD4
D4A	LD5	-
*D4A REAR	LD6	SD8
D4B	LD7	-
D4B REAR	LD8	SD9
D4C	LD9	-
D4C REAR	LD10	SD10
D4D	LD11	-
D5	LD12	-
D5 REAR	LD13	SD5
SD2	LD14	SD2
SD3	LD15	SD3
SD4	LD16	SD6
SD6	LD17	SD7

* FUTURE USE

CLOSED LOOP DETECTOR CHART		
DETECTOR ID	LOCAL DETECTOR	SYSTEM DETECTOR
D1	LD1	-
D1 REAR	SD1	SD1
D4	LD4	-
*D4 REAR	D3	SD4
D4A	D5	-
*D4A REAR	D6	SD8
D4B	LD7	-
D4B REAR	LD8	SD9
D4C	LD9	-
D4C REAR	LD10	SD10
D4D	LD11	-
D5	LD12	-
D5 REAR	LD13	SD5
SD2	LD14	SD2
SD3	LD15	SD3
SD4	LD16	SD6
SD7	LD17	SD7



ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	LOAD CASE
092-312-A	21'	40'	40-1W
092-312-B	21'	35'	40-1W
092-312-C	21'	40'	40-1W
092-312-D	21'	40'	40-1W



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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

ROUTE 80 (FOXON BOULEVARD) AT NEW HAVEN BUSINESS PARK DRIVEWAY AND ROUTE 80 RETAIL PLAZA DRIVEWAY

TOWN(S): **NEW HAVEN**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173-0549

DRAWING NO.:

ICS-14

SHEET NO.:

DETECTORS				SYSTEM LOC	COORDINATION TYPE: NONE					
IDENT	SIZE (WxL)	TYPE	MODE	MASTER	PROGRAM			CYCLE	OFFSET	
D1,D1A	6' X 35'	VIDEO-360	PRESENCE		FUNCTION	TIME	DAYS		SEC	%
D2	18' X 135'	RADAR	PRESENCE		FLASH	NONE				
D2A	6' X 135'	RADAR	PRESENCE		MAX 1	ALL TIMES	DAILY			
D4	6' X 35'	VIDEO-360	PRESENCE		MAX 2	FUTURE				
D5	6' X 35'	VIDEO-360	PRESENCE							
D5A	SEE PLAN	VIDEO-360	8" DELAY							
D5B	6' X 35'	VIDEO-360	PRESENCE							
D5C	SEE PLAN	VIDEO-360	8" DELAY							
D5D	10' X 35'	VIDEO-360	PRESENCE							
D5E	10' X 35'	VIDEO-360	8" DELAY							
SD2,SD2A	6' X 35'	VIDEO-360	PRESENCE							
SD2B,SD2C	6' X 35'	VIDEO-360	PRESENCE							
SD2D,SD2E	6' X 35'	VIDEO-360	PRESENCE							
DWW	SEE PLAN	VIDEO-360	PRESENCE							

[illegible]

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON S.R. 717,
ROUTE 40 SB RAMP, AND ALL STOP BARS.

TOWN OF NORTH HAVEN TO MAINTAIN SIGNS AND ALL OTHER
PAVEMENT MARKINGS ON HARTFORD TURNPIKE.

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

ALL CROSSWALKS ARE BAR TYPE.

ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	VERTICAL RISER FOR 360 DEGREE CAMERA	YEAR INSTALLED
100-223-A	30'	20"	N/A	10'	2007
100-223-B	30'	20"	N/A	10'	2007
100-223-C	30'	20"	N/A	N/A	2007
100-223-D	30'	20"	N/A	N/A	2007



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PHASING DIAGRAM:

The phasing diagram illustrates the sequence of winding connections and phase shifts for a 4-phase motor. It consists of four stages labeled 01, 02, 04, and 05, connected by arrows indicating the progression of the motor's operation.

- Stage 01:** Shows the initial winding connections. Winding 1 is connected to phase 1, and winding 2 is connected to phase 2. The motor is shown in a starting position.
- Stage 02:** Shows the addition of a second winding (P2) and a phase shift. The motor is shown in a new position, and the phase sequence is indicated by the arrows.
- Stage 04:** Shows a further phase shift. The motor is shown in a new position, and the phase sequence is indicated by the arrows.
- Stage 05:** Shows the final winding connections (P5, O, P5, O) and a final phase shift. The motor is shown in a new position, and the phase sequence is indicated by the arrows.

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, INCLUDING HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN.

MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 3 PAPER COPIES OF REVISED CABLE 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 IN THE SPAN POLE WHEN ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

REMOVE EXISTING 8" SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.

REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #100-223-A

INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.

INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.

INSTALL TYPE 13 SIDEWALK RAMP PER GUIDE SHEET.

CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.

PAVEMENT MARKING NOTES:

AT THE HARTFORD TURNPIKE & S.R. 717 INTERSECTION, INSTALL NEW STOP BARS ON S.R. 717 WEST LEG AND HARTFORD TURNPIKE NORTH LEG AS SHOWN. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

AT THE S.R. 717 & ROUTE 40 SB OFF-RAMPS INTERSECTION, INSTALL NEW STOP BAR ON S.R. 717 WEST LEG AS SHOWN. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

AT THE HARTFORD TURNPIKE & S.R. 717 INTERSECTION, INSTALL NEW CROSSWALKS ACROSS ALL LEGS AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

AT THE S.R. 717 & ROUTE 40 SB OFF-RAMPS INTERSECTION, INSTALL NEW CROSSWALKS ACROSS S.R. 717 WEST LEG AND ROUTE 40 SB RAMPS AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

APPROX. HIGHWAY LINE _____

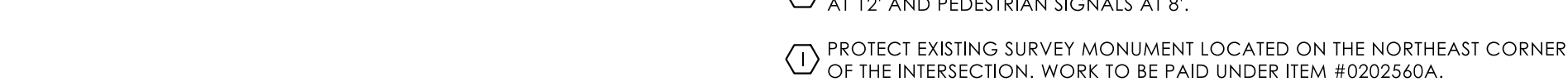
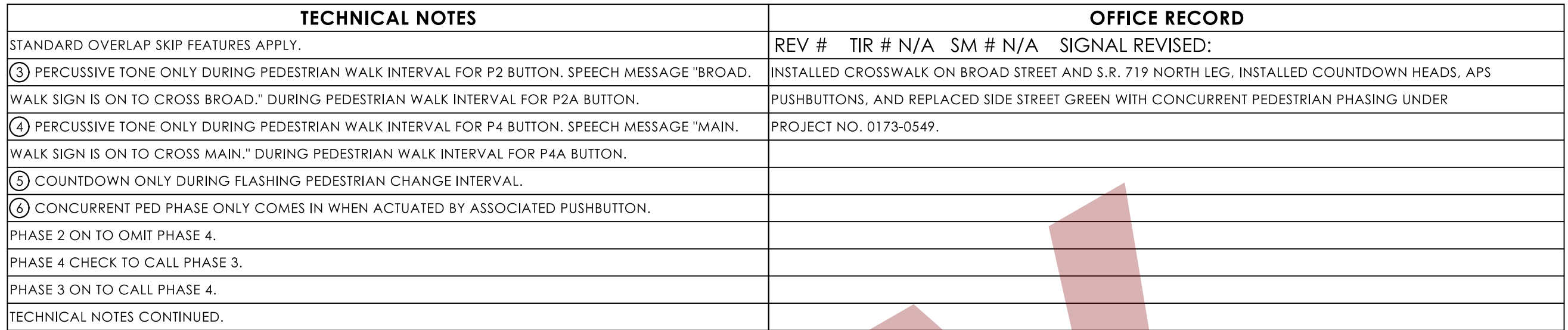


	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 100-223
ENGINEER						
DRAWN BY						
CHECKED BY						
SUBMITTED BY						
APPROVED BY					ENERGY BY - TOWN	ADDRESS # N/A
APPROVED DATE					MAINT LEVEL 5	SERVICE POLE - UI #3716
						METERED SERVICE

S.R. 717 (DIXWELL AVENUE) AT ROUTE 40 SB RAMPS AND HARTFORD TURNPIKE
TOWN(S): **NORTH HAVEN**

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0173-0549	DRAWING NO.: TCS-15
		SHEET NO.:

MOVEMENT DIAGRAM																														
NTOR			PHASE 1			PHASE 2 PRE-EMPT 1			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9			
NONE																														
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				
	1	Y	←	←	G	G	Y	R	G	Y	R	R	R	R																
	2	Y	G	G	G	G	Y	R	G	Y	R	R	R	R																
	3	Y	R	R	R	G	Y	R	G	Y	R	R	R	R																
	4	R	R	R	R	R	Y	R	R	Y	R	G	Y	R																
	P2	OFF	← DW			WØ			← DW			← DW			WØ			← DW												
	P4	OFF	← DW																											
	INTERVALS	MIN GRN	7				15	①	ACCESSIBLE PEDESTRIAN SIGNAL				9	①	ACCESSIBLE PEDESTRIAN SIGNAL															
		WALK					7	②					7	②																
PED CLR						10						11																		
VEH EXT						43						2.0																		
MAX 1		12				43						24																		
MAX 2		12																												
YELLOW			3.0					3.8				3.0																		
RED				1.0				2.2					1.0																	
ADD INIT																														
MAX INIT																														
TBR																														
ITR																														
MIN GAP																														
MODE			NON-LOCK					MAX RECALL THIS PHASE					NON-LOCK					OFF					OFF					OFF		
INIT START																														

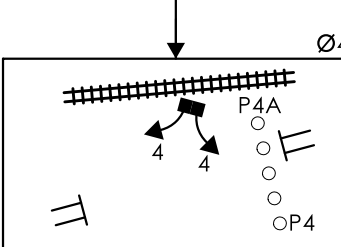


PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2
PRIORITY	YES	NO
DET. LOCK	NO	YES
DELAY	0	0
ALT. MIN. GRN	0	5
ALT. YELLOW	PARENT	PARENT
ALT. RED	PARENT	PARENT
ALT. PED. CLR.	PARENT	PARENT
TRACK CLR GRN	30	N/A
TRACK CLR YLW	3	N/A
TRACK CLR RED	1	N/A
HOLD GREEN	20 *	15
HOLD YELLOW	3	3
HOLD RED	1	1
HOLD PHASE	8	2
EXIT PHASE	4	3
EXIT CALL	NONE	NONE

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

5. REMOVE EXISTING 8' 3 SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
6. INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
7. INSTALL NEW 12 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
8. INSTALL TYPE 9 SIDEWALK RAMP PER GUIDE SHEET.
9. RELOCATE EXISTING SIGNAL FACE 5 TO PROPOSED 12' PEDESTAL. MOUNT SIGNAL AT 12' AND PEDESTAL SIGNALS AT 8'.
10. PROTECT EXISTING SURVEY MONUMENT LOCATED ON THE NORTHEAST CORNER OF THE INTERSECTION. WORK TO BE PAID UNDER ITEM #02022660A.

TRAFFIC SIGNAL TO IMMEDIATELY ADVANCE OUT OF COMPUTER CONTROLLED COORDINATED OPERATION UPON RECEIPT OF RAILROAD PRE-EMPTION CALL.



213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 102-281
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - CITY	ADDRESS # 335
SUBMITTED BY					MAINT LEVEL 1	SERVICE POLE - EVER #23276
APPROVED BY						UNMETERED SERVICE
APPROVED DATE						

SCALE: 1" = 40'

TOWN(S): NORWALK

SHEET NO.

DETECTORS					SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP					
IDENT	DETECTOR NO.	SIZE (WxH)'	TYPE	MODE	MASTER 102-286	PROGRAM		DAYS	CYCLE	OFFSET	
						FUNCTION	TIME			SEC	%
D2	2	18' X 10'	VIDEO-HP	PRESENCE	102-301	102-303	FLASH	NONE	(1)		
D2A	9	18' X 10'	VIDEO-HP	PRESENCE	102-202	102-285		SEE TECH NOTES			
D2B	6	18' X 10'	VIDEO-HP	PRESENCE	102-222	102-228					
D2C	10	18' X 10'	VIDEO-HP	PRESENCE	102-294	161-204					
D4	7	8' X 36'	VIDEO-360	PRESENCE	102-223	161-209					
D4A	4	8' X 36'	VIDEO-360	8" DELAY	102-281	161-212					
SD2	---	15' X 16'	VIDEO-360	PRESENCE	102-225	161-205					
SD2A	---	15' X 20'	VIDEO-360	PRESENCE	102-282	161-206					
					102-280						
					102-227						
					102-270						
					102-284						

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.

- (A) EXISTING 31-0802
- (B) INSTALL 31-1625
- (C) INSTALL 31-1626

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON S.R. 719 AND ALL STOP BARS.

CITY OF NORWALK TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON BROAD STREET.

EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF NORWALK.

CAT5E CABLE RUN DIRECTLY FROM CAMERA TO CONTROLLER

ALL CROSSWALKS ARE BAR TYPE.

RAILROAD PRE-EMPTION NOTES:

WHEN PRE-EMPTION CALL IS RECEIVED DURING NORMAL TRAFFIC SIGNAL CONTROLLER OPERATION OR MANUAL OPERATION, RAILROAD FLASHING LIGHTS WILL COMMENCE OPERATION 14 TO 17 SECONDS INTO THE TRACK CLEARANCE PHASE DEPENDING UPON WHICH INTERVAL THE CONTROLLER IS IN WHEN THE PRE-EMPTION CALL IS RECEIVED.

WHEN PRE-EMPTION OCCURS DURING EMERGENCY FLASH OR FAIL-SAFE FLASHING OPERATION, RAILROAD FLASHING LIGHTS WILL COMMENCE OPERATION 18 SECONDS AFTER THE PRE-EMPTION CALL IS RECEIVED.

R.R. PRE-EMPTION	
TIME	EVENT
0"	START OF TRAFFIC SIGNAL PRE-EMPTION
18"	START OF R.R. FLASHING LIGHTS AND BELL
25"	R.R. GATES START TO DROP
35"	R.R. GATES HORIZONTAL
47"	TRAIN ENTERS CROSSING

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	YEAR INSTALLED
102-281-A	28'	20"	6,100	2002

SPAN WIRE ELECTRICAL CALLOUTS
(NOT TO SCALE)



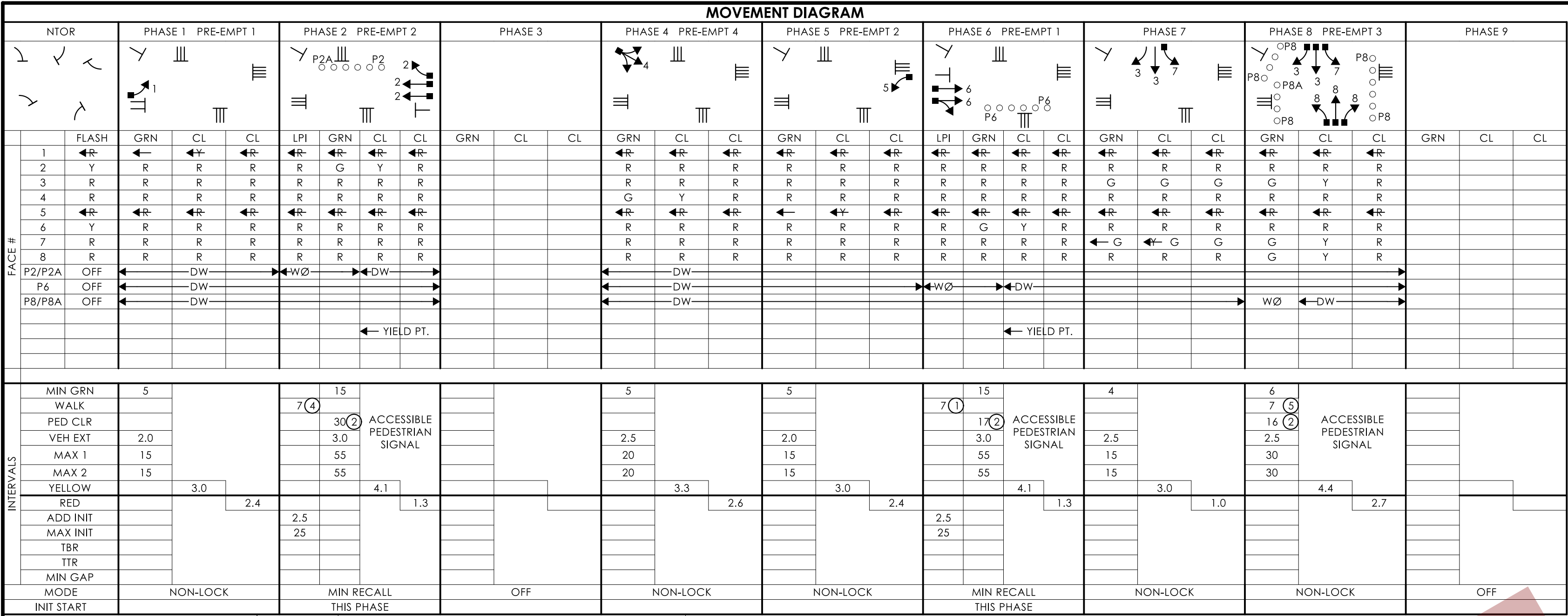
**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

 IP VIDEO DETECTOR
 RADAR DETECTOR
 THERMAL DETECTOR
 AUDIO DETECTOR
 360° CAMERA ASSEMBLY
 VIDEO-RADAR DETECTOR

 DETECTION ZONE
 LOOP DETECTOR
 RADIO ANTENNA
 POLE ANCHOR



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PLOTTED DATE: 7/15/2026



DETECTORS			MODE	SYSTEM LOC	COORDINATION TYPE: CLOSED LOOP					OFFSET SEC	OFFSET %
IDENT	SIZE (WxL)	TURNS			MASTER	FUNCTION	PROGRAM	TIME	DAYS	CYCLE	
D1	6' X 6'	3	PRESENCE	106-211	106-203	FLASH	NONE	SEE TECH NOTES			
D2/D2A	6' X 6'	3	PRESENCE	106-211	106-212						
D3B	6' X 6'	4	PRESENCE	106-212							
D4	6' X 6'	4	PRESENCE	106-220							
D5	6' X 6'	4	PRESENCE								
D6/D6A	6' X 6'	3	PRESENCE								
D7	6' X 6'	4	PRESENCE								
D8	6' X 6'	4	PRESENCE								
D8A	6' X 6'	4	PRESENCE								
D8B	6' X 6'	3	PRESENCE								
D8C	6' X 6'	3	PRESENCE								
D8D	6' X 6'	3	PRESENCE								

CLOSED LOOP DETECTOR CHART	
DETECTOR ID	DETECTOR #
D1	1
D1 REAR	9
D2, A, B	2
D4	4
D5	5
D5 REAR	10
D6, A	6
D7	7
D7 REAR	11
D8	8
D8 REAR	12
D8A	13
D8A REAR	14
D8B	3
D8C	15
D8D	16

- SIGN LEGEND
- A EXISTING SPAN MTD. 31-0135 ONLY
- B EXISTING SPAN MTD. 31-0823 NO TURN ON RED
- C EXISTING 31-0302 ONLY ONLY
- D EXISTING 31-0583 ONLY ONLY
- E EXISTING 31-0307 ONLY ONLY
- F INSTALL 31-1625 TURNING P ONLY ONLY
- G INSTALL 31-1626 TURNING P ONLY ONLY
- H RELOCATE EXISTING 31-0583 ONLY ONLY
- I EXISTING 31-0302Z ONLY ONLY

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON U.S. ROUTE 1, ROUTE 114, AND ALL STOP BARS.

TOWN OF ORANGE TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON RACEBROOK ROAD AND OLD TAVERN ROAD.

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

ENTRANCE FITTING ON SPAN POLE ADJACENT TO CONTROLLER.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)
106-212-A	32'	22"	10,000
106-212-B	32'	22"	10,000
106-212-C	32'	22"	10,000

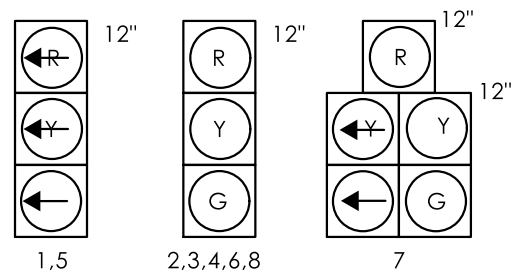
LEGEND:	FL. FLASHING	~ DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING	IP VIDEO DETECTOR
R RED	~R~ RED ARROW	~R~ PROPOSED RMC	EXISTING STEEL SPAN POLE	PEDESTAL MOUNTED RRB	RADAR DETECTOR
Y YELLOW	~Y~ YELLOW ARROW	~Y~ EXISTING RMC	PROPOSED UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN	THERMAL DETECTOR
G GREEN	~G~ GREEN ARROW	~G~ CABLE CLOSURE	EXISTING UTILITY POLE	DIRECTIONAL ARW. FOR PUSH BUTTON	AUD DETECTOR
WØ WALKY PED. CLR	WØ WALKY PED. CLR	VC VIDEO CAMERA CABLE	EXISTING WOOD SPAN POLE	AUXILIARY EQUIPMENT CABINET	360° CAMERA ASSEMBLY
D.W. DON'T WALK	RC RADAR CABLE	RC RADAR CABLE	TRAFFIC SIGNAL FACE	VIDEO-RADAR DETECTOR	

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PLOTTED DATE: 7/15/2026

TECHNICAL NOTES				OFFICE RECORD			
STANDARD OVERLAP SKIP FEATURES APPLY.				REV #	TIR # N/A	SM # N/A	SIGNAL REVISED:
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.				INSTALLED CROSSWALKS ON ALL LEGS. INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.			
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.							
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.							
④ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "RACEBROOK. WALK SIGN IS ON TO CROSS RACEBROOK." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.							
⑤ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P8 BUTTONS. SPEECH MESSAGE "BOSTON POST. WALK SIGN IS ON TO CROSS BOSTON POST." DURING PEDESTRIAN WALK INTERVAL FOR P8A BUTTON. PHASE 7 ON TO CALL PHASE 8.							
SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN TIMING CALLED.							
TIMINGS SHOWN REFLECT FREE OPERATION.							
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP COORDINATION UNIT.							
ARTERY DETECTORS TO BE NON-ACTUATING DURING COORDINATION.							

SIGNAL FACES

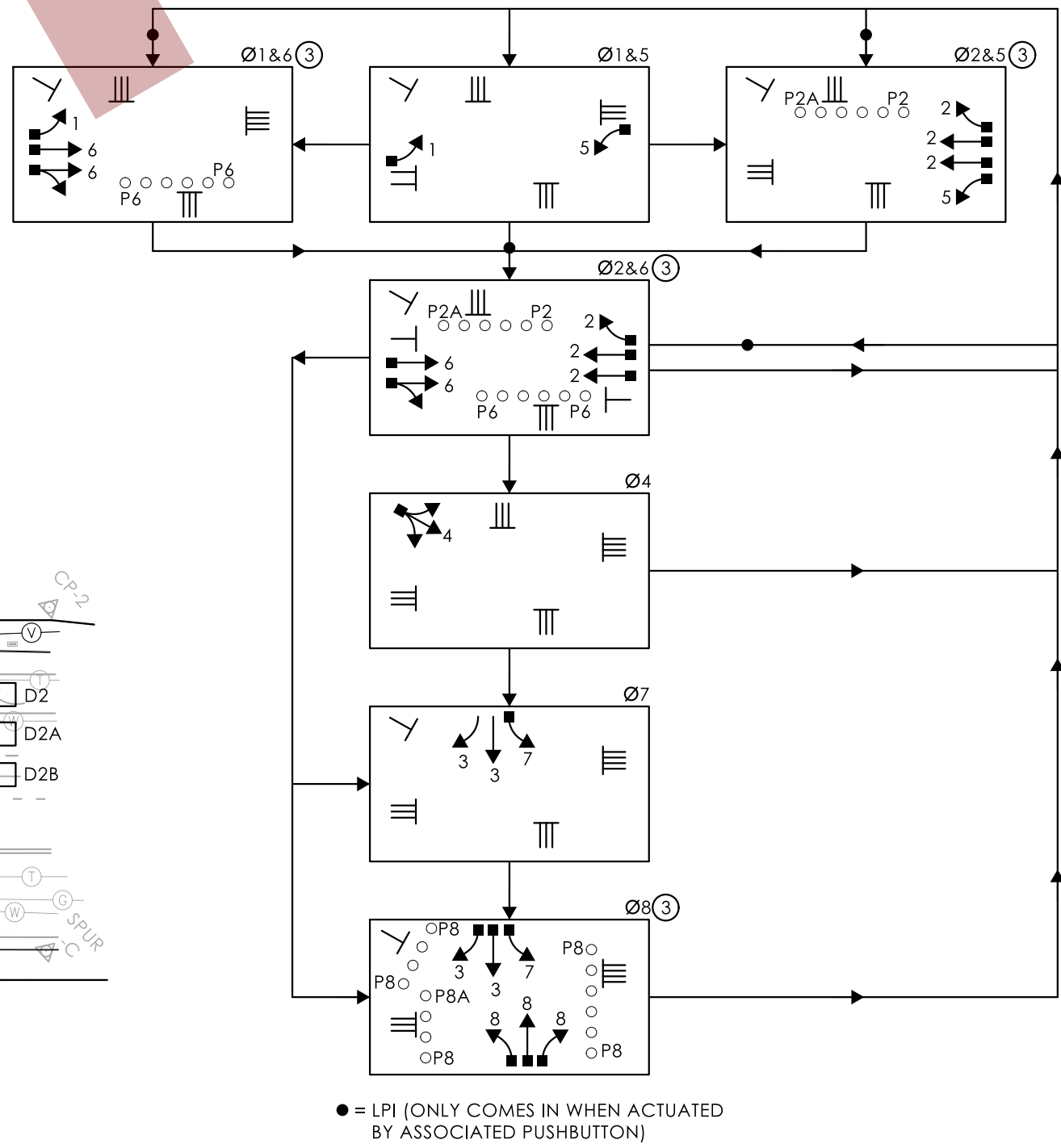


ALL INDICATIONS HAVE LED LAMPS.

FACES 1 & 5 HAVE TUNNEL VISORS ON ALL LENSES.

PRE-EMPTION SETTINGS	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3	PRE-EMPT 4
PRIORITY	NO	NO	NO	NO
DET. LOCK	YES	YES	YES	YES
DELAY	0	0	0	0
ALT. MIN. GRN	5	5	5	5
ALT. YELLOW	PARENT	PARENT	PARENT	PARENT
ALT. RED	PARENT	PARENT	PARENT	PARENT
ALT. PED. CLR.	PARENT	PARENT	PARENT	PARENT
HOLD GREEN	15	15	15	15
HOLD YELLOW	3.0	3.0	4.4	3.3
HOLD RED	2.4	2.4	2.7	2.6
HOLD PHASE	1&6	2&5	8	4
EXIT PHASE	2&6	2&6	1&5	7
EXIT CALL	NONE	NONE	NONE	NONE

PHASING DIAGRAM:



Tighe & Bond

213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

SCALE: 1" = 40'

U.S. ROUTE 1 (BOSTON POST ROAD) AT ROUTE 114 (RACEBROOK ROAD), OLD TAVERN ROAD, AND RACEBROOK ROAD

TOWN(S): ORANGE

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173-0549

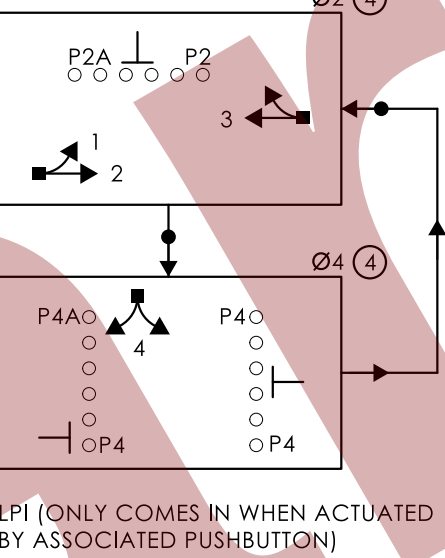
DRAWING NO.:

TCS-18

SHEET NO.:

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # TIR # N/A SM # N/A SIGNAL REVISED:	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "STONEHOUSE. WALK SIGN IS ON TO CROSS STONEHOUSE." DURING PEDESTRIAN INTERVAL FOR P2A BUTTON.		INSTALLED CROSSWALKS ON ALL LEGS, INSTALLED COUNTDOWN HEADS, AP5 PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.	
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTONS. SPEECH MESSAGE "MAIN. WALK SIGN IS ON TO CROSS MAIN." DURING PEDESTRIAN INTERVAL FOR P4A BUTTON.			
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.			
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.			

PRE-EMPTION SETTINGS	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	PARENT
HOLD GREEN	15
HOLD YELLOW	4.0
HOLD RED	1.4
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.
INCLUDING HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN.

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.

- F** REMOVE EXISTING 8" SECTION SIGNAL HEAD, 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 NEW COUNTDOWN PEDESTRIAN SIGNALS AND APS PUSHBUTTONS ON EXISTING LIGHT STANDARD.
- I** INSTALL TYPE 4 (MODIFIED) SIDEWALK RAMP PER GUIDE SHEET.
- J** INSTALL TYPE 11 SIDEWALK RAMP PER GUIDE SHEET.
- K** INSTALL TYPE 16 SIDEWALK RAMP PER GUIDE SHEET.
- L** INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING STRIP PER GUIDE SHEET.

PAVEMENT MARKING NOTES:

INSTALL NEW STOP BAR ON ROUTE 111 SOUTH LEG AS SHOWN. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

INSTALL NEW CROSSWALKS ACROSS ALL LEGS AS SHOWN. ERADICATE EXISTING CROSSWALKS AND ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



- (A) EXISTING 31-0552 
- (B) INSTALL 31-1625 
- (C) INSTALL 31-1626 
- (D) RELOCATE EXISTING 41-4225 
- (E) RELOCATE EXISTING SCHOOL SIGN

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON ROUTE 111 AND ALL STOP BARS.

TOWN OF TRUMBULL TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON STONEHOUSE ROAD.

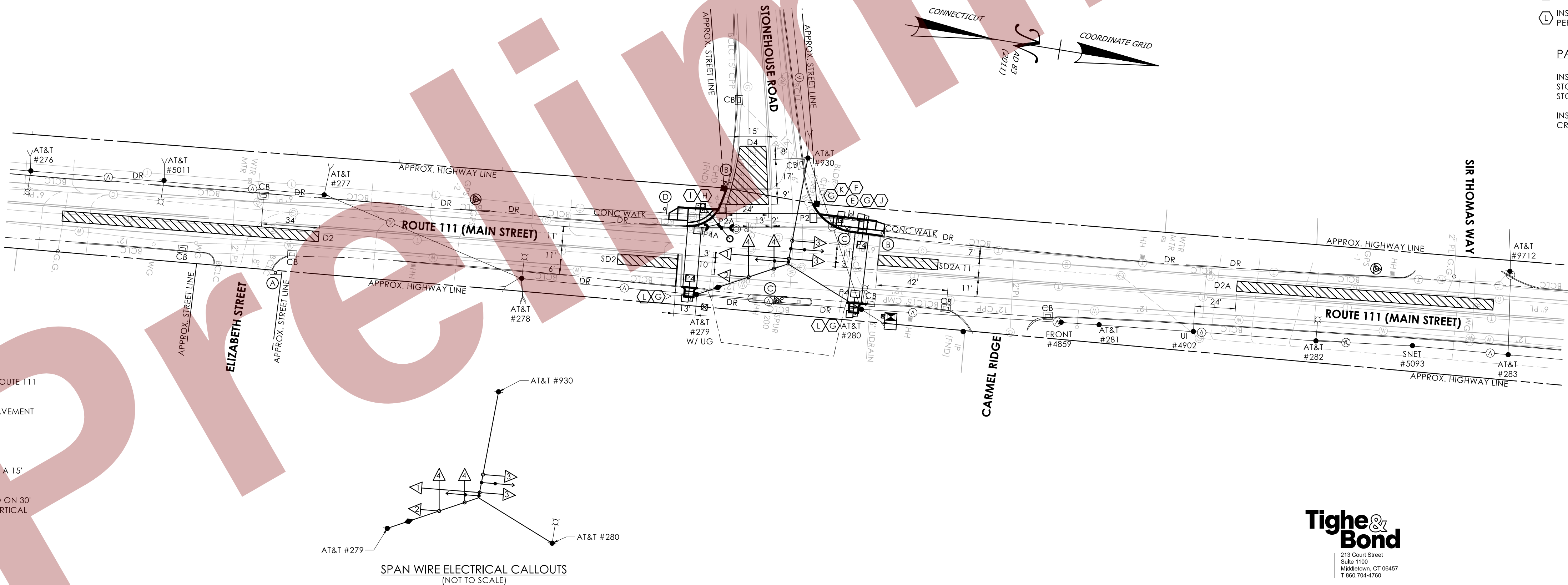
EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE TOWN OF TRUMBULL.

RADAR DETECTION MOUNTED ON 30' LIGHT STANDARD WITH A 15' EXTENSION BRACKET.

VIDEO DETECTION BY USE OF VIDEO-360 CAMERA MOUNTED ON 30" LIGHT STANDARD WITH 15" EXTENSION BRACKET WITH A 3' VERTICAL RISER.

W 30" X 30" HANDHOLE.

ALL CROSSWALKS ARE BAR TYPE.



Tighe & Bond

213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 144-205
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - TOWN	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - AT&T #280
APPROVED BY						METERED SERVICE
APPROVED DATE						

SCALE: 1" = 40'

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



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

ROUTE 111 (MAIN STREET) AT STONEHOUSE ROAD

TOWN(S): **TRUMBULL**

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173 0549

DRAWING NO.:

TCS-19

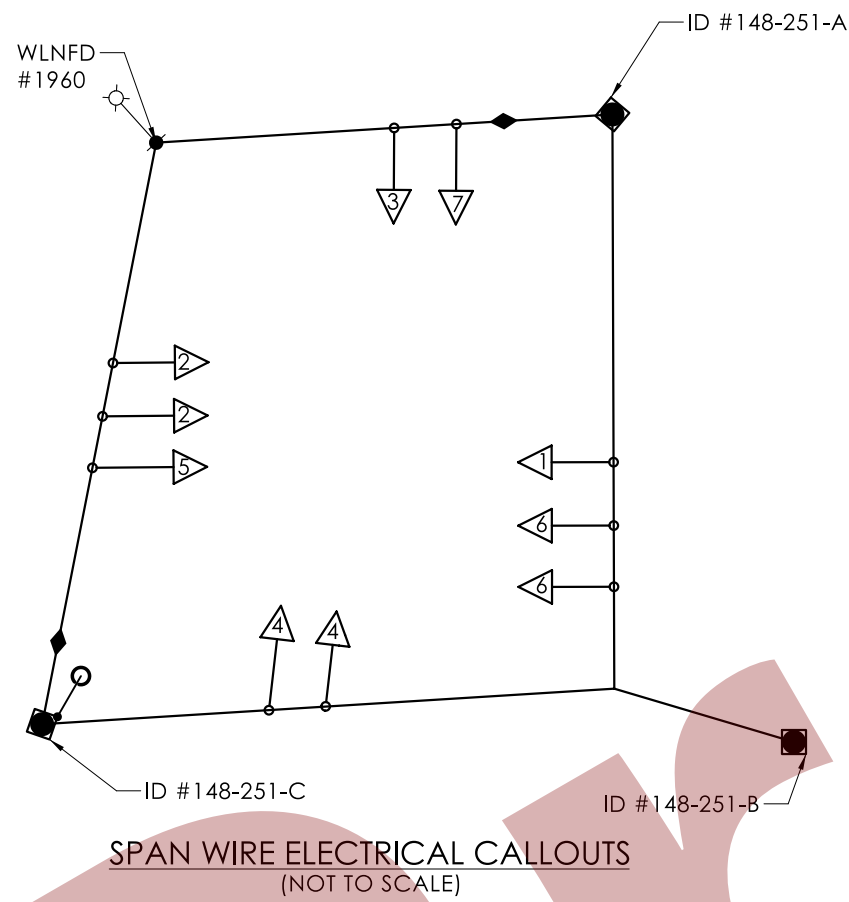
SHEET NO. 1

MOVEMENT DIAGRAM																																					
NTOR		PHASE 1				PHASE 2				PHASE 3				PHASE 4				PHASE 5				PHASE 6				PHASE 7				PHASE 8				PHASE 9			
NONE																																					
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	GRN	CL	CL					
	1	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←						
	2	Y	R	R	R	G	Y	R				R	Y	R	R	R	R	R	←	←	←	←	←	←	←	←	←	←	←	←	←						
	3	R	R	R	R	R	R	R				G	Y	R	R	R	R	R	R	←	←	←	←	←	←	←	←	←	←	←	←						
	4	R	R	R	R	R	R	R				G	Y	R	R	R	R	R	R	←	←	←	←	←	←	←	←	←	←	←	←						
	5	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←						
	6	Y	R	R	R	R	R	R	R				R	Y	R	R	R	R	G	Y	R	R	R														
P2	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←						
P4	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←						
P6	OFF	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←						
																						</															

DETECTORS		SYSTEM LOC		COORDINATION TYPE: CLOSED LOOP					
IDENT	DETECTOR NO.	SIZE (WxL)*	TYPE	MODE	MASTER 148-223	FUNCTION	PROGRAM TIME	DAYS	CYCLE
D1	1	10' X 65'	VIDEO-360	2" DELAY	148-249	FLASH	SEE TECH NOTES		
D4	4	10' X 55'	VIDEO-360	PRESENCE	148-248				
D4A	11	SEE PLAN	VIDEO-360	PRESENCE	148-251				
D4B	6	10' X 60'	VIDEO-360	PRESENCE	148-252				
D4C	3	SEE PLAN	VIDEO-360	2" DELAY	148-230				
D5	5	10' X 65'	VIDEO-360	2" DELAY	148-229				
SD2	16	10' X 45'	VIDEO-360	PRESENCE					
SD2A	15	10' X 45'	VIDEO-360	PRESENCE					
SD2B	14	SEE PLAN	VIDEO-360	PRESENCE					
SD6	12	10' X 45'	VIDEO-360	PRESENCE					
SD6A	13	10' X 45'	VIDEO-360	PRESENCE					

* LOCATION AND SIZES OF DETECTION ZONES ARE APPROXIMATE.
SIGN LEGEND

- (A) EXISTING 31-0307
(B) EXISTING 31-0118
(C) EXISTING 31-0445
(D) EXISTING 31-02822
(E) EXISTING 31-02832
(F) INSTALL 31-1625
(G) INSTALL 31-1626
(H) RELOCATE EXISTING STREET NAME SIGN
(I) RELOCATE EXISTING I-91 JUNCTION SIGNS



NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MARKINGS ON ROUTE 68 AND ALL STOP BARS.

TOWN OF WALLINGFORD TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON NORTHROP ROAD AND MILES DRIVE.

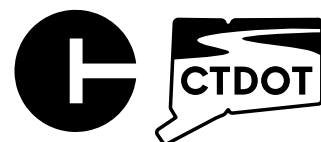
CAT5E CABLE RUN DIRECTLY FROM CONTROLLER TO CAMERA.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	YEAR INSTALLED
148-251-A	32'	22"		2004
148-251-B	32'	22"		2004
148-251-C	32'	22"		2004

LEGEND:	FL. FLASHING	← DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING
R. RED	← R. RED ARROW	← PROPOSED RMC	EXISTING STEEL SPAN POLE	PEDESTAL MOUNTED RRFB
Y. YELLOW	← Y. YELLOW ARROW	← EXISTING RMC	PROPOSED UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN
G. GREEN	← G. GREEN ARROW	← CABLE CLOSURE	EXISTING CONTROLLER	DIRECTIONAL ARW. FOR PUSH BUTTON
WØ WALKY PED. CLR	VC VIDEO CAMERA CABLE	← PEDESTRIAN SIGNAL FACE	EXISTING UTILITY POLE	TRAFFIC SIGNAL FACE
D.W. DON'T WALK	RC RADAR CABLE	← RADAR DETECTOR	EXISTING WOOD SPAN POLE	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 68 (BARNES ROAD) AT NORTHROP ROAD AND MILES DRIVE

TOWN(S): WALLINGFORD

DRAWING TITLE:

TRAFFIC CONTROL
SIGNAL PLAN

PROJECT NO.:

0173-0549

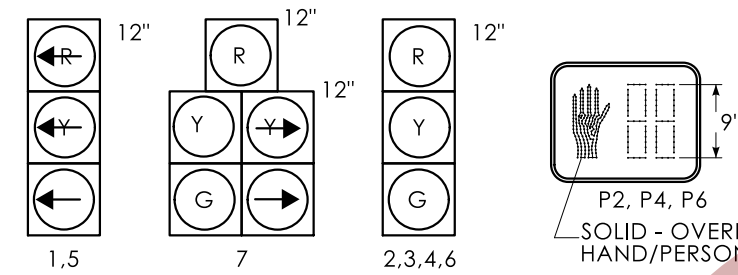
DRAWING NO.:

TCS-20

SHEET NO.:

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # TIR # N/A SM # N/A SIGNAL REVISED:	
TIMINGS SHOWN REFLECT FREE OPERATION.		INSTALL CROSSWALK ON ALL LEGS, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET	
ACTUAL COORDINATION INFORMATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.		GREEN WITH CONCURRENT PEDESTRIAN PHASING UNDER PROJECT NO. 0173-0549.	
SIGNAL MAY DOUBLE CYCLE IF PEDESTRIAN TIMING CALLED DURING PATTERNS 2 AND 3.			
① TO BE Y IF PHASE 6 IS NEXT.			
② TO BE R IF PHASE 6 IS NEXT.			
③ PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.			
④ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			
⑤ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.			

SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.

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, INCLUDING HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.

INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.

COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.

REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN.

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.

COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.

INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

(J) REMOVE EXISTING 4" PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.

(K) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #148-251-C

(L) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.

(M) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.

(N) CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.

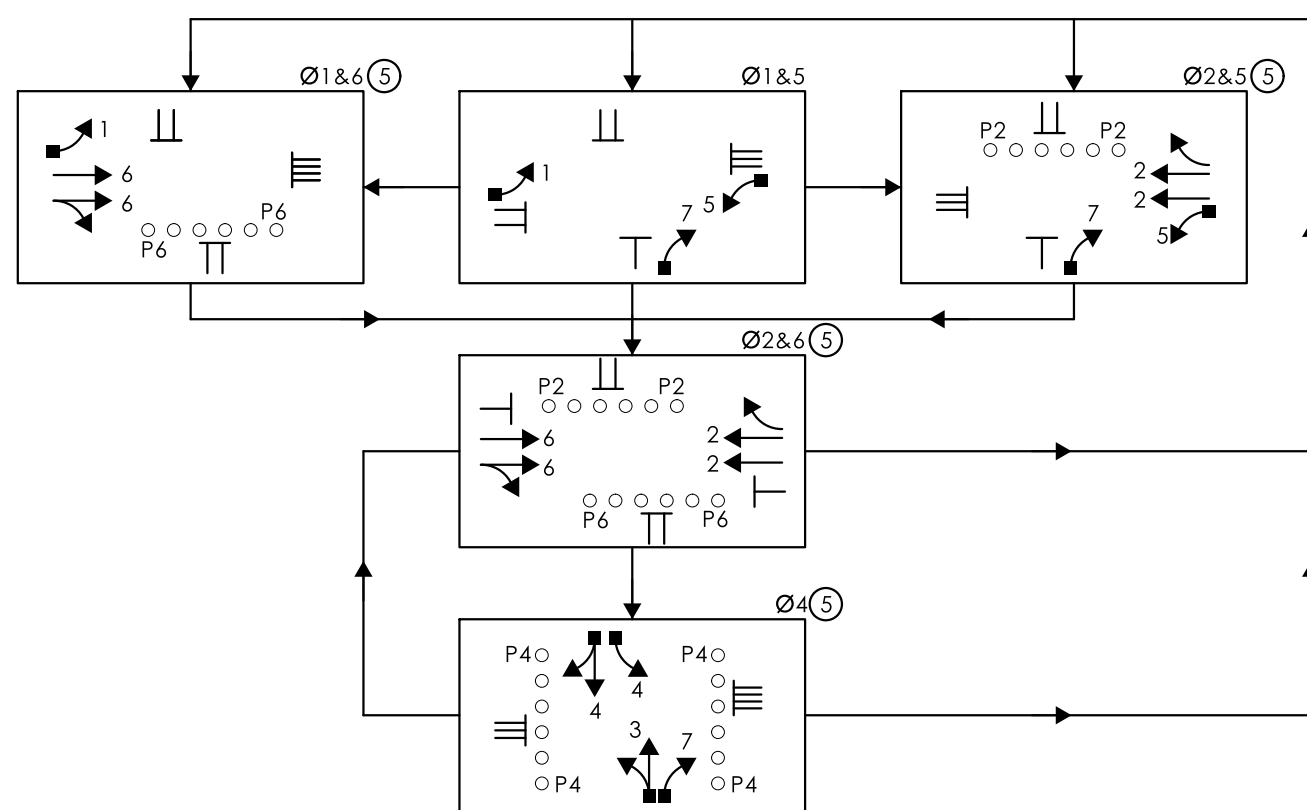
REMOVE EXISTING CONCRETE SIDEWALK RAMP, FURNISH AND PLACE TOPSOIL, ESTABLISH TURF. INSTALL EROSION CONTROL MATTING, AND INSTALL CONCRETE CURBING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, #0950013, #0811001.

PAVEMENT MARKING NOTES:

INSTALL NEW STOP BAR ON ROUTE 68 EAST LEG AS SHOWN. ERADICATED THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.

INSTALL NEW CROSSWALKS ACROSS ALL LEGS AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

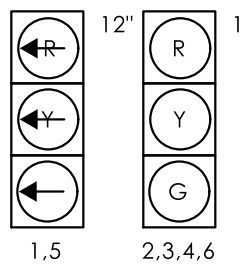
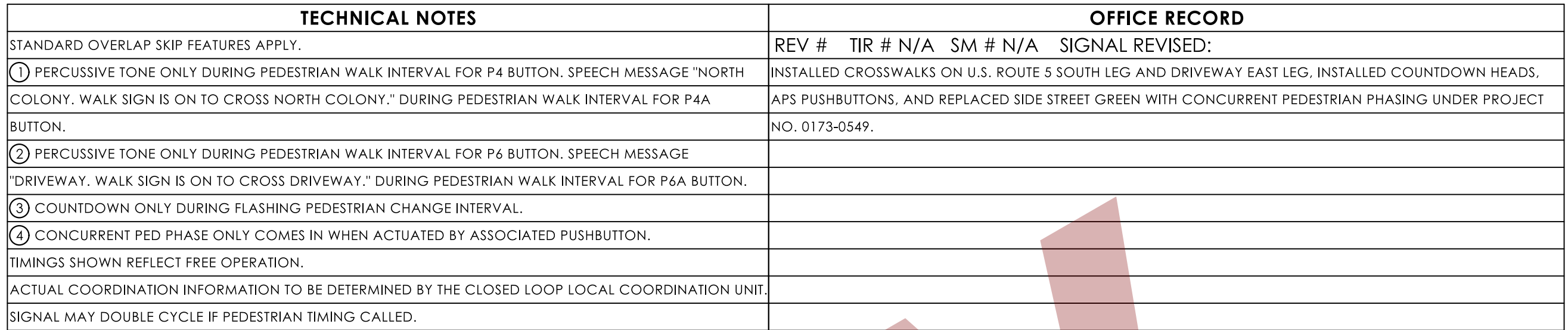
PHASING DIAGRAM:



Tighe & Bond

213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 148-251	
DRAWN BY							
CHECKED BY							
SUBMITTED BY						ENERGY BY - TOWN	ADDRESS # 420
APPROVED BY						MAINT LEVEL 2	SERVICE POLE - WLNFD #1960
APPROVED DATE							METERED SERVICE - 17 914 148

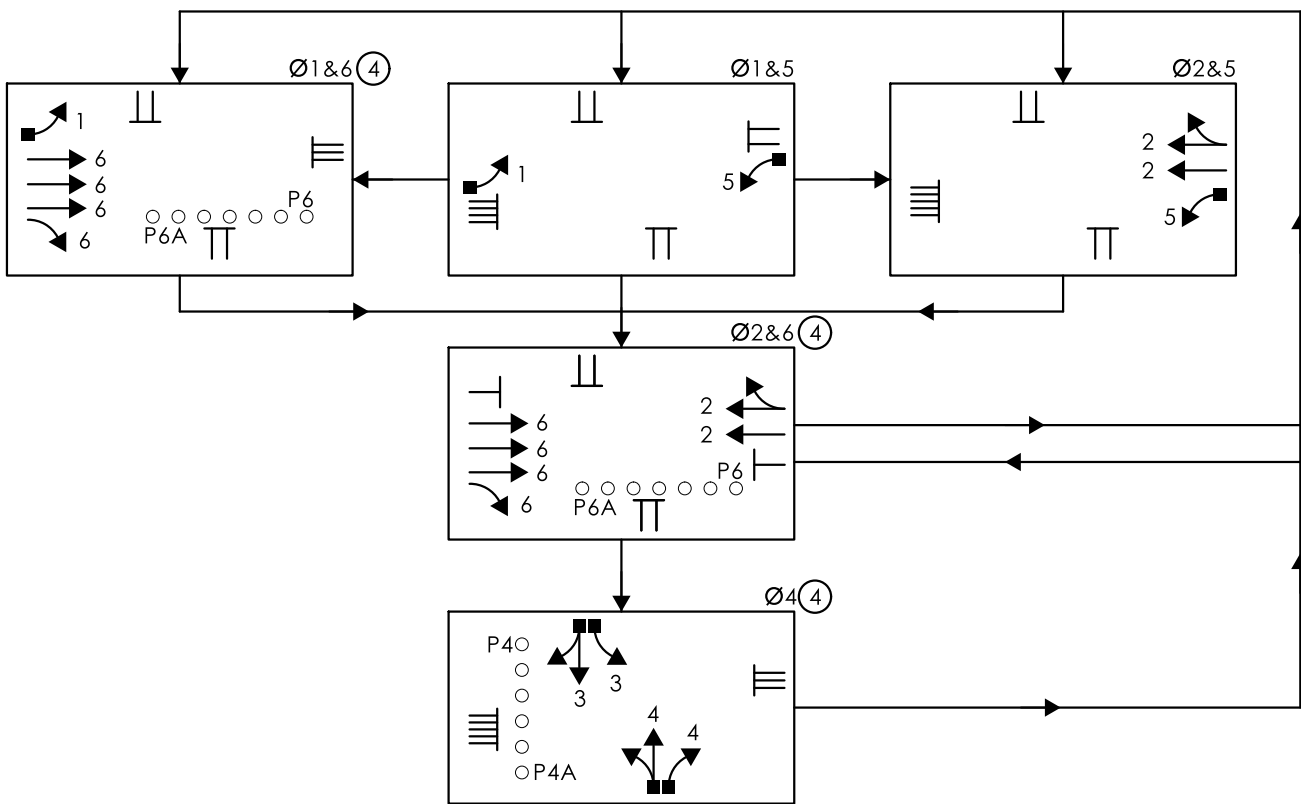


FACES 1 AND 5 HAVE TUNNEL VISORS ON ALL LENSES.

CLOSED LOOP DETECTOR CHART		
DETECTOR ID	LOCAL DETECTOR	SYSTEM DETECTOR
D1	LD1	
D1 REAR	LD1	SD1
D4	LD4	
D4 REAR	LD4	SD4
D4A	LD4	SD5
D4B	LD4	
D4C	LD4	
D4D	LD4	
D4D REAR	LD4	SD6
D4E	LD4	SD7
D4F	LD4	
D4G	LD4	
D5	LD5	
D5 REAR	LD5	SD8
SD2		SD2
SD3		SD3

 INSTALL TYPE 23 PEDESTRIAN REFUGE ISLAND PER GUIDE SHEET.

- INSTALL NEW CROSSWALKS ACROSS U.S. ROUTE 5 SOUTH LEG AND DRIVEWAY EAST LEG
AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.



213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 148-267
ENGINEER						
DRAWN BY						
CHECKED BY					ENERGY BY - DEVELOPER	ADDRESS # N/A
SUBMITTED BY					MAINT LEVEL 5	SERVICE POLE - SNET #123
APPROVED BY						UNMETERED SERVICE
APPROVED DATE						

A) EXISTING 31-1526

B) EXISTING 31-0307

C) EXISTING 31-0285Z

D) EXISTING 31-1526Z

E) EXISTING 31-0476

F) EXISTING 31-0283Z

G) EXISTING SPAN MTD. 31-0135

H) INSTALL 31-1625

I) INSTALL 31-1626

ALL CROSSWALKS ARE BAR TYPE

ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	YEAR INSTALLED
148-267-A	30'	20"		2006
148-267-B	30'	20"		2006
148-267-C	30'	20"		2006

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



**CONNECTICUT
DEPARTMENT OF
TRANSPORTATION**

U.S. ROUTE 5 (NORTH COLONY ROAD) AT DRIVE TO BJ'S AND DRIVE TO SONICS

TOWN(S): WALLINGFORD

DRAWING TITLE:

TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO.:

0173 0549

DRAWING NO.:

TCS-21

SHEET NO.

MOVEMENT DIAGRAM																															
NTOR			PHASE 1			PHASE 2 PRE-EMPTY 1			PHASE 3			PHASE 4 PRE-EMPTY 2			PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9				
NONE																															
FACE #		FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
	1	Y	←	G		G			G				R	R	R	R															
	2	Y		G		G			G				R	R	R	R															
	3	Y		R		R			G				R	R	R	R															
	4	R		R		R			R				R	G	Y	R															
	P2	OFF			DW				WØ	←	DW																				
	P4	OFF			DW								←	WØ			DW	→													
INTERVALS	MIN GRN		5			15	7	1				9	7	1																	
	WALK																														
	PED CLR																														
	VEH EXT		2.0										14	2																	
	MAX 1		8										2.5																		
	MAX 2		8										20																		
	YELLOW			3.0					4.0					3.0																	
	RED				1.0				2.4					1.2																	
	ADD INIT																														
	MAX INIT																														
TBR																															
TTR																															
MIN GAP																															
MODE																															
INIT START																															

DETECTORS			SYSTEM LOC		COORDINATION TYPE: CLOSED LOOP					
IDENT	SIZE (WxL)	TURNS	MODE	MASTER	FUNCTION	PROGRAM	DAYS	CYCLE	OFFSET SEC	OFFSET %
D1	6' X 6'	3	PRESENCE	106-204	FLASH	NONE				
D2	6' X 6'	4	PRESENCE	106-228						
D2A	6' X 6'	4	PRESENCE	106-228						
D3	6' X 6'	4	PRESENCE	106-206						
D3A	6' X 6'	4	PRESENCE	156-230						
D4A	6' X 13'	3	PRESENCE	156-201						
D4B	6' X 11'	3	PRESENCE	156-239						
D4C	6' X 10'	3	PRESENCE	156-247						

- SIGN LEGEND
- Ⓐ EXISTING SPAN MTD. 31-0183
- Ⓑ EXISTING 31-0370
- Ⓒ INSTALL 31-1625
- Ⓓ INSTALL 31-1626

NOTES:

STATE TO MAINTAIN ALL PAVEMENT MARKINGS ON U.S. ROUTE 1 AND STOP BARS.

CITY OF WEST HAVEN TO MAINTAIN SIGNS AND ALL OTHER PAVEMENT MARKINGS ON FARWELL STREET.

EMERGENCY PRE-EMPTION EQUIPMENT TO BE OWNED AND MAINTAINED BY THE CITY OF WEST HAVEN.

ALL CROSSWALKS ARE BAR TYPE.

SPAN POLE INFORMATION

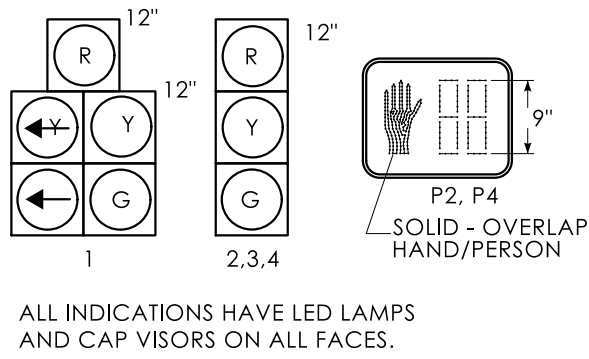
ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)
156-247-A	32'	22"	10,000
156-247-B	32'	22"	10,000

- LEGEND:
- FL. FLASHING
 - R. RED
 - Y. YELLOW
 - G. GREEN
 - WØ WALK/ PED. CLR
 - D.W. DON'T WALK
 - ~ DET. LEADS IN SAW CUT
 - PROPOSED RMC
 - EXISTING RMC
 - VC 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
 - 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

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PLOTTED DATE: 7/15/2026

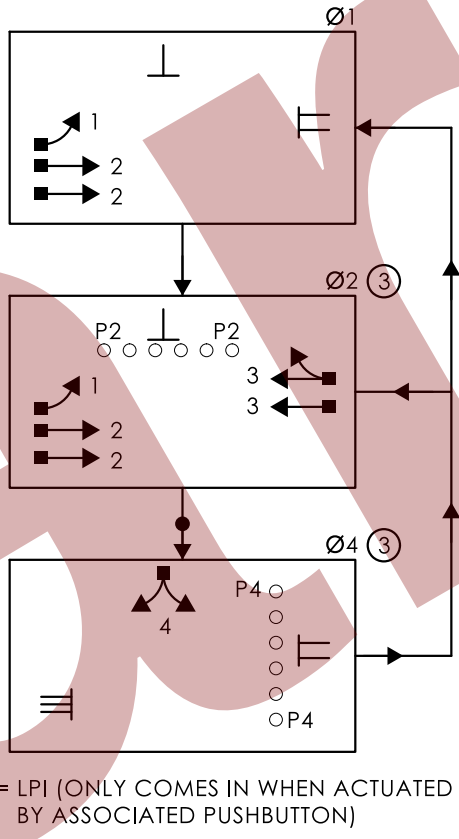
TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV #	TIR # N/A SM # N/A SIGNAL REVISED:
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.			REMOVED PROGRAMMED FLASH, INSTALLED CROSSWALK ON U.S. ROUTE 1 EAST LEG, INSTALLED COUNTDOWN
② COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING
③ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.			UNDER PROJECT NO. 0173-0549.
PHASE 2 ON TO OMIT PHASE 1.			
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.			
ARTERY DETECTORS ARE NON-ACTUATING DURING COORDINATION.			
TIMINGS SHOWN REFLECT FREE OPERATION.			
ACTUAL COORDINATION TO BE DETERMINED BY THE CLOSED LOOP LOCAL COORDINATION UNIT.			

SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS AND CAP VISORS ON ALL FACES.

PHASING DIAGRAM



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.	PARENT	PARENT
HOLD GREEN	15	15
HOLD YELLOW	4.0	3.0
HOLD RED	2.4	1.2
HOLD PHASE	2	4
EXIT PHASE	4	1
EXIT CALL	NONE	NONE

CLOSED LOOP DETECTOR CHART		
DETECTOR ID	LOCAL DETECTOR	SYSTEM DETECTOR
D1	LD1	—
D1 REAR	LD1	SD1
D2	LD2	SD2
D2A	LD2	SD3
D3	LD3	SD4
D3A	LD3	SD5
D4A	LD4	—
D4B	LD4	—
D4C	LD4	SD6

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.
- REVISE TIMINGS AND OPERATION AS SHOWN.
- 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.
- COORDINATE THIS REVISION WITH CONNECTICUT D.O.T. SIGNAL LAB AT DOT.SIGNALLAB@CT.GOV AT LEAST 45 DAYS PRIOR TO REVISION.
- INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE SPAN POLE WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.
- Ⓔ INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- Ⓕ REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #156-247-B AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON.
- Ⓖ INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
- Ⓗ INSTALL 5' X 5' CONCRETE LANDING AREA WITH DETECTABLE WARNING SURFACE PER GUIDE SHEET.
- Ⓘ CONSTRUCT CONCRETE SIDEWALK TO CONNECT NEW SIDEWALK RAMPS.
- Ⓙ RECONSTRUCT BITUMINOUS CONCRETE SIDEWALK DISTURBED BY THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT AND CONCRETE SIDEWALK. WORK TO BE PAID UNDER ITEM #0922001.
- PAVEMENT MARKING NOTES:
- INSTALL NEW STOP BAR ON U.S. ROUTE 1 EAST LEG AS SHOWN. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS U.S. ROUTE 1 EAST LEG AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.
- INSTALL NEW PAINTED DYCL MEDIAN ISLAND ON U.S. ROUTE 1 EAST LEG AS SHOWN.

Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4790

ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE	REV #	INTERSECTION # 156-247	
DRAWN BY							
CHECKED BY						ENERGY BY - CITY	ADDRESS # N/A
SUBMITTED BY						MAINT LEVEL 5	SERVICE POLE - UI #1209
APPROVED BY							METERED SERVICE
APPROVED DATE							

SCALE: 1" = 40'



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

U.S. ROUTE 1 (BOSTON POST ROAD) AT FARWELL STREET

TOWN(S): WEST HAVEN

DRAWING TITLE:
**TRAFFIC CONTROL
SIGNAL PLAN**

PROJECT NO.:
0173-0549

DRAWING NO.:
TCS-22
SHEET NO.:

MOVEMENT DIAGRAM																															
NTOR			PHASE 1			PHASE 2			PHASE 3			PHASE 4 PRE-EMPT 1				PHASE 5			PHASE 6			PHASE 7			PHASE 8			PHASE 9			
NONE																															
FACE #		FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	
	1	Y	←G	←G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	2	Y	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	3	Y	R	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	4	Y	R	R	R	R	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
	5	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	6	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
	P2/P2A	OFF	←DW	←DW		WØ	←DW					←WØ	←DW																		
	P4/P4A	OFF	←DW	←DW								←WØ	←DW																		

INTERVALS	MIN GRN	5	15	ACCESSIBLE PEDESTRIAN SIGNAL		7	ACCESSIBLE PEDESTRIAN SIGNAL																								
	WALK		7		7			7																							
	PED CLR		22		22			12																							
	VEH EXT	2.0	2.5		2.0			2.0																							
	MAX 1	8	45		20			20																							
	MAX 2	10	45		20			20																							
	YELLOW	3.0	4.9	3.0		3.0																									
	RED		1.0	1.2		1.0																									
	ADD INIT			0.8																											
	MAX INIT			20																											
	TBR																														
TTR																															
MIN GAP			2.5																												
MODE	NON-LOCK		MIN RECALL		OFF	NON-LOCK		OFF		OFF		OFF		OFF		OFF		OFF		OFF		OFF		OFF		OFF		OFF		OFF	
INIT START			THIS PHASE																												

DETECTORS				SYSTEM LOC		COORDINATION TYPE: TIME CLOCK/TBC						
IDNT	SIZE (WxL)	TYPE	MODE	MASTER	LOC	FUNCTION	PROGRAM	TIME	DAYS	CYCLE	OFFSET	
D1	25' X 6'	VIDEO-360	PRESENCE	167-214		FLASH	NOISE					
D1A	SEE PLAN	VIDEO-360	8" DELAY	167-205		MAX 1	ALL OTHER TIMES					
D2	18' X 200'	RADAR	PRESENCE			MAX 2	1600-1830		M-F			
D2A	6' X 200'	RADAR	PRESENCE			PATTERN 1	0630-0900		M-F	80	12	15
D4	6' X 35'	VIDEO-360	PRESENCE			PATTERN 2	1400-1830					
SD1	18' X 35'	VIDEO-360	PRESENCE			PATTERN 3	FUTURE					
SD2	18' X 35'	VIDEO-360	PRESENCE			FREE	ALL OTHER TIMES					

SIGN LEGEND	
(A) EXISTING 31-0118	
(B) RELOCATE 31-0290	
(C) EXISTING 41-0836	
(D) EXISTING 31-1526	
(E) INSTALL 31-1625	
(F) INSTALL 31-1625 & 31-1626 BACK-TO-BACK	
(G) RELOCATE ROUTE MARKER SIGNS	
(H) REMOVE 31-0290	

NOTES:

STATE TO MAINTAIN SIGNS AND PAVEMENT MAKINGS ON ROUTE 63 AND ROUTE 114.

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

30" X 30" HANDHOLE.

ALL CROSSWALKS ARE BAR TYPE.

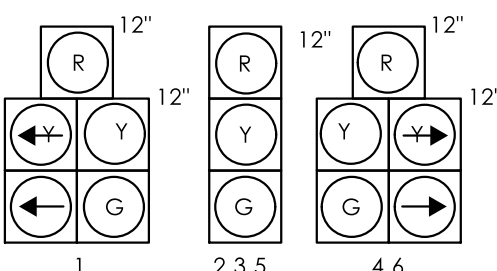
SPAN POLE INFORMATION					
ID #	POLE LENGTH	BOLT CIRCLE	LOAD AT YIELD (lbs)	VERTICAL RISER FOR 360 DEGREE CAMERA	YEAR INSTALLED
167-205-A	30'	20"	7,800	-	2013
167-205-B	30'	20"	7,800	10'	2013

LEGEND:	FL. FLASHING	~ DET. LEADS IN SAW CUT	PROPOSED SUPPORT STRUCTURE	PEDESTAL MOUNTING	IP VIDEO DETECTOR
R. RED	←R. RED ARROW	~ PROPOSED RMC	EXISTING STEEL SPAN POLE	PEDESTAL MOUNTED RFB	RADAR DETECTOR
Y. YELLOW	←Y. YELLOW ARROW	~ EXISTING RMC	PROPOSED UTILITY POLE	PEDESTRIAN PUSH BUTTON & SIGN	THERMAL DETECTOR
G. GREEN	←G. GREEN ARROW	~ CABLE CLOSURE	EXISTING UTILITY POLE	DIRECTIONAL ARW. FOR PUSH BUTTON	AUDIO DETECTOR
WØ WALKY PED. CLR	VC VIDEO CAMERA CABLE	RC. RADAR CABLE	EXISTING WOOD SPAN POLE	PEDESTRIAN SIGNAL FACE	360° CAMERA ASSEMBLY
D.W. DON'T WALK			TRAFFIC SIGNAL FACE		VIDEO-RADAR DETECTOR

LASTED SAVED BY: KHuang FILE NAME: C:\Users\KHuang\State of Connecticut\0173-0549 - Design\Traffic\Contract_Plan\TR_CP_0173_0549_Signal_167_205.dgn
PLOTED DATE: 7/15/2026

TECHNICAL NOTES		OFFICE RECORD	
STANDARD OVERLAP SKIP FEATURES APPLY.		REV # TIR # N/A SM # N/A SIGNAL REVISED:	
① PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P2 BUTTON. SPEECH MESSAGE "CENTER. WALK SIGN IS ON TO CROSS CENTER." DURING PEDESTRIAN WALK INTERVAL FOR P2A BUTTON.		INSTALLED CROSSWALKS ON ROUTE 114 AND ROUTE 63 SOUTH LEG, INSTALLED COUNTDOWN HEADS, APS PUSHBUTTONS, AND REPLACED SIDE STREET GREEN WITH LPI CONCURRENT PEDESTRIAN PHASING UNDER PROJECT	
② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL FOR P4 BUTTON. SPEECH MESSAGE "AMITY. WALK SIGN IS ON TO CROSS AMITY." DURING PEDESTRIAN WALK INTERVAL FOR P4A BUTTON.		NO. 0173-0549.	
③ COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.			
④ CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY ASSOCIATED PUSHBUTTON.			
PRE-EMPTION TO BE INOPERATIVE DURING FLASHING OPERATION.			
D1 TO EXTEND PHASE 1 ONLY.			
PHASE 1 CALL NOT TO BE REGISTERED UNLESS DETECTOR D1A CONTINUOUSLY OCCUPIED FOR 8" (TIME TO BE DISCONNECTED DURING PHASE 1).			
PHASE 4 ON TO CALL PHASE 1.			
ARTERY PHASE DETECTION AREAS TO BE NON-ACTUATING DURING COORDINATION.			

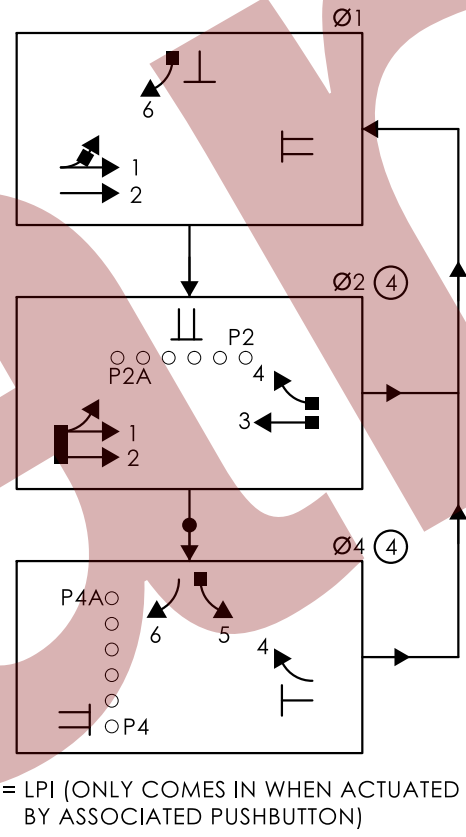
SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS.

PRE-EMPTION SETTINGS	PRE-EMPT 1
PRIORITY	NO
DET. LOCK	YES
DELAY	0
ALT. MIN. GRN	5
ALT. YELLOW	PARENT
ALT. RED	PARENT
ALT. PED. CLR.	PARENT
HOLD GREEN	15
HOLD YELLOW	3.0
HOLD RED	1.0
HOLD PHASE	4
EXIT PHASE	1
EXIT CALL	NONE

PHASING DIAGRAM



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, INCLUDING ABANDONED HANDHOLES PREVIOUSLY USED FOR LOOP DETECTION.
- INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREA.
- COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISIONS, 1.07-LEGAL RELATIONS AND RESPONSIBILITIES.
- REVISE TIMINGS, DETECTION ZONES, AND OPERATION AS SHOWN.
- 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.
- (1) REMOVE EXISTING 8" 3 SECTION SIGNAL HEAD, PEDESTAL, PUSHBUTTON, AND PEDESTAL FOUNDATION.
- (J) REMOVE EXISTING PUSHBUTTON ON SPAN POLE ID #167-205-B AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNAL AND APS PUSHBUTTON.
- (K) INSTALL NEW 8 FOOT ALUMINUM PEDESTAL WITH COUNTDOWN PEDESTRIAN SIGNAL(S) AND APS PUSHBUTTON(S) ON NEW FOUNDATION.
- (L) INSTALL TYPE 5 SIDEWALK RAMP PER GUIDE SHEET.
- (M) INSTALL TYPE 8 SIDEWALK RAMP PER GUIDE SHEET.
- (N) INSTALL TYPE 10B SIDEWALK RAMP PER GUIDE SHEET.
- REMOVE EXISTING CONCRETE SIDEWALK RAMP OUTSIDE THE LIMITS OF THE PROPOSED SIDEWALK RAMP. FURNISH AND PLACE TOP SOIL, ESTABLISH TURF, INSTALL EROSION CONTROL MATTING, AND INSTALL CONCRETE CURBING. WORK TO BE PAID UNDER ITEM #0202513, #0944000, #0950019A, #0950013, AND #0811001.
- RECONSTRUCT BITUMINOUS CONCRETE SIDEWALK DISTURBED BY THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT AND CONCRETE SIDEWALK. WORK TO BE PAID UNDER ITEM #0922001.

PAVEMENT MARKING NOTES:

- INSTALL NEW STOP BAR ON ROUTE 63 SOUTH LEG AS SHOWN. ERADICATE THE EXISTING STOP BAR AND ALL CONFLICTING PAVEMENT MARKINGS THAT EXTEND PAST THE NEW STOP BAR.
- INSTALL NEW CROSSWALKS ACROSS ROUTE 63 SOUTH LEG AND ROUTE 114 AS SHOWN. ERADICATE ALL PAVEMENT MARKINGS WITHIN 4' OF NEW CROSSWALKS.

SCALE: 1" = 40'

Tighe & Bond
213 Court Street
Suite 1100
Middletown, CT 06457
T 860.704-4760

					REV #	INTERSECTION # 167-205	
ENGINEER	TRAFFIC	DATE	ELECTRICAL	DATE			
DRAWN BY							
CHECKED BY							
SUBMITTED BY							
APPROVED BY							
APPROVED DATE							

ENERGY BY - STATE	ADDRESS # N/A
MAINT LEVEL 5	SERVICE POLE - SNET #1114
	METERED SERVICE - #016033304

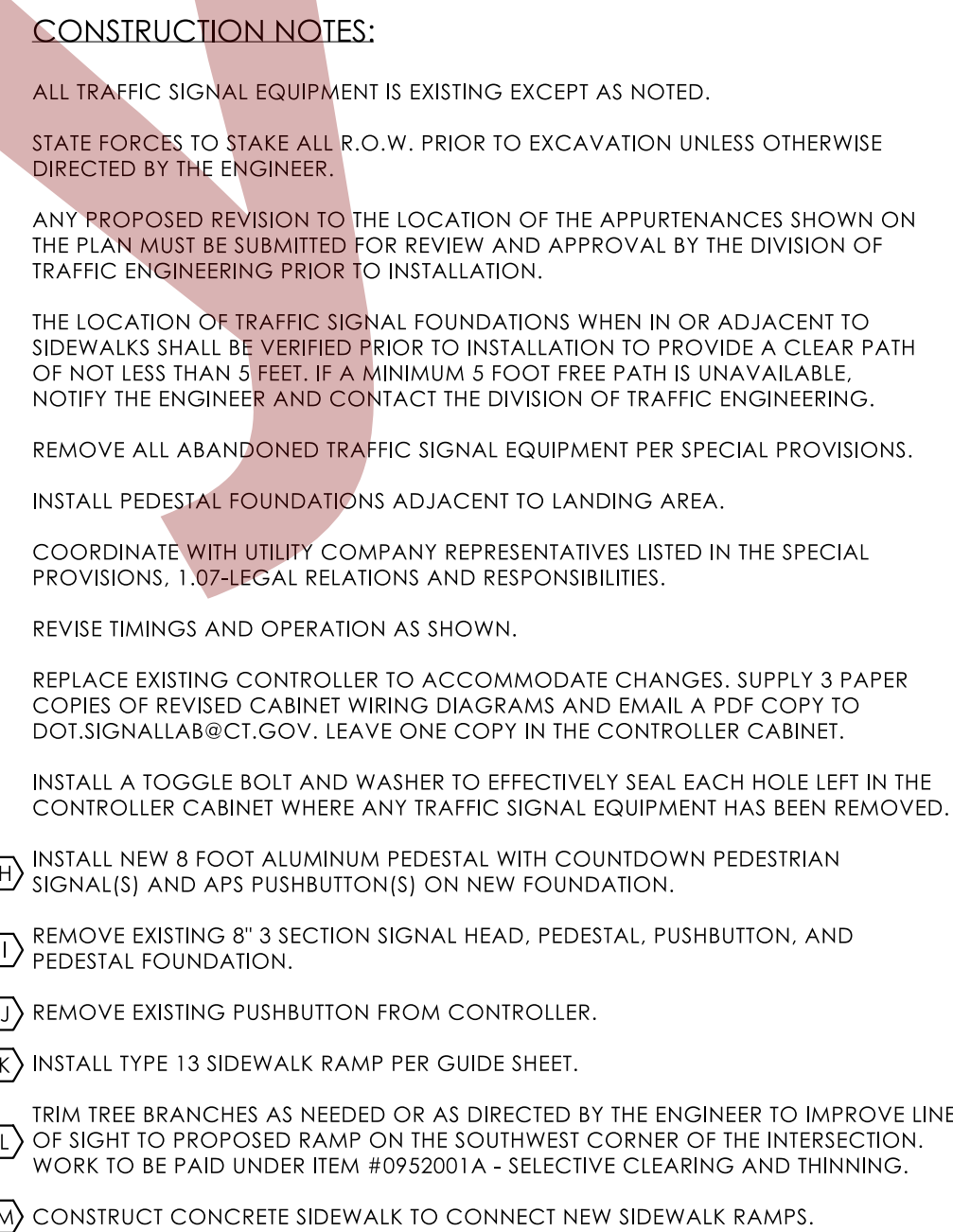
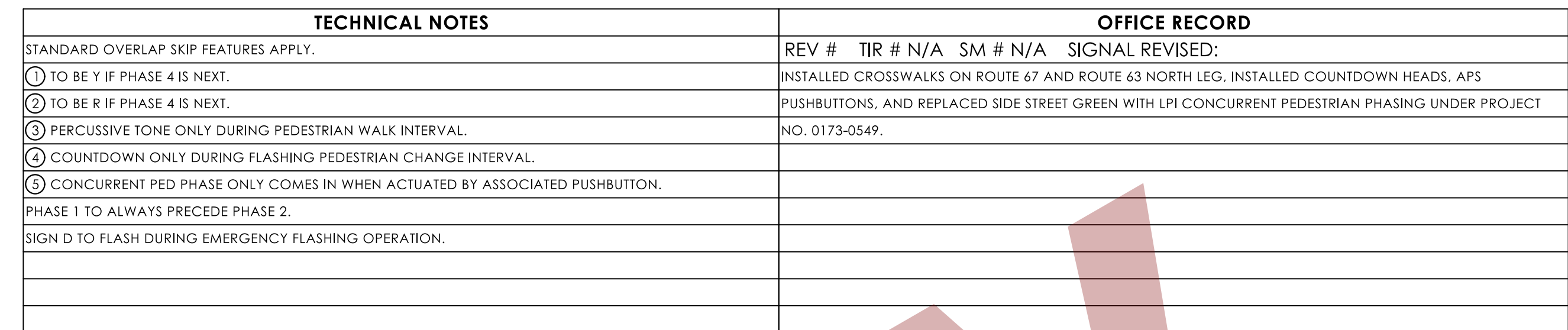
DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
TRAFFIC CONTROL SIGNAL PLAN	0173-0549	TCS-23
		SHEET NO.:



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

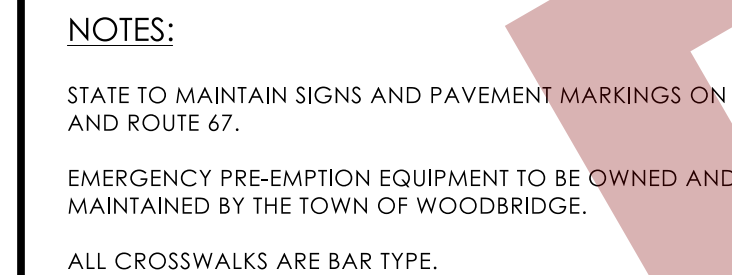
ROUTE 63 (AMITY ROAD) AT ROUTE 114 (CENTER ROAD)

TOWN(S): WOODBRIDGE



SIGN LEGEND

(A) EXISTING 31-0222	
(B) EXISTING 31-0290	
(C) EXISTING SPAN MTD. 31-0135	
(D) EXISTING 31-0540 (BE PREPARED TO STOP) AND 41-6102 (WHEN FLASHING) W/ FLASHERS	
(E) INSTALL 31-1625	
(F) INSTALL 31-1626	
(G) RELOCATE ROUTE MARKER SIGNS	



LEGEND:	FL	FLASHING	---	DET. LEADS IN SAW CUT				
R RED		RED ARROW	---	PROPOSED RMG				
Y YELLOW		YELLOW ARROW	---	EXISTING RMG				
G GREEN		GREEN ARROW	---	CABLE CLOSURE				
		WALK/ PED. CLR	VC	VIDEO CAMERA CABLE				
		DON'T WALK	RC	RADAR CABLE				



DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN	PROJECT NO.: 0173-0549	DRAWING NO.: TCS-24
		SHEET NO.: