HARRY BAKER & ASSOCIATES, 3 Dolphin Road, New City, New York 10956 (845) 893-3903

November 19, 2024

Mr. Frank Filiciotto, PE
LaBella Associates
1 North Broadway
White Plains, NY 10601

Re: Response to LaBella Associates Comments for 775 N Main Street, dated October 9, 2024

Dear Mr. Filiciotto:

Our response to your comments is as follows:

2. Three study intersections were analyzed for operational/level of service impacts for future conditions. Weekday morning and weekday evening peak-hour volumes were collected as part of the study.

a. It appears that the Traffic Volume Figures, intended to comprise Appendix A, were omitted in the PDF file provided to LaBella. The figures should be provided by HBA so LaBella can review and validate the traffic volumes.
ANSWER: The figures are included in the revised report.

b. LaBella notes that continuous volume data was collected on North Main Street near the site frontage. Did this data collection effort include speed data? If so, it should be reported. If not, LaBella recommends that speed data be collected or sourced.
ANSWER: We did not collect speed data. However, as discussed in our call, we have placed an Automatic Traffic Recorder (ATR) machine on Route 45 to collect, volume, speed, and vehicle class. This information will be summarized and discussed in the revised report.

c. HBA should conduct 15 minutes spot counts at the site frontage during the morning peak hour and the evening peak hour to validate the trip generation if offices were not tenanted during the counts.
ANSWER: We did count the traffic volumes entering and exiting the existing office building from Route 45. These are shown in the report.

3. Turning movement counts were conducted at the Site Access and North Main Street intersection. This data effectively includes the existing trip generation of the subject site. HBA should summarize the existing site-generated trips and a provide a comparison to industry-standard data for the appropriate land use.

a. The applicant should confirm whether the existing building was fully tenanted/occupied during the traffic counts, and if this was not the case, the existing trip generation analysis should account for the vacant space.
ANSWER: The office building was fully occupied when the traffic counts were conducted. In the report we show a table using Land Use 710 (Office) to calculate the vehicle trips that would be generated by the addition. We are using these vehicle trips since the driveway counts were low.

4. The HBA report cited the Institute of Transportation Engineering (ITE) Trip Generation Manual, 11th Edition, to determine the number of trips generated by the proposed office expansion. Table 11 of the report presents the trip generation for the office expansion using Land Use Code (LUC) 710 “General Office”. The report states that the expansion will generate 40 total trips in the AM peak hour and 41 total trips in the PM peak hour. While this is an accepted approach for projecting trip generation, applying the existing trip generation rate from the actual traffic counts may result in higher volumes. HBA should apply and analyze the higher volumes.

    a. Regarding the land use specifically, it appears that the existing building may have a tenant(s) that provides medical care. If this is the case, HBA should discuss if the building is better characterized as a medical office building, which has different trip generation characteristics.
    ANSWER: There are no medical offices in this building. The two companies are Tri-County Care and Hamaspik Choice. We are going to further describe them in the revised report.

5. LaBella notes that the 2023 Existing Synchro volumes for the intersection of North Main Street and Washington Avenue do not match the peak-hour volumes from turning movement counts.
    a. The Synchro model should be updated and the corresponding results should be re-presented.
    ANSWER: This has been revised
    b. The speed in the Synchro model should be updated to 45 mph on North Main Street at its intersection with New Hempstead Road.
    ANSWER: This has been revised

6. The record signal timing sheets and/or field timings should be included in the report for LaBella’s review and validation.
    ANSWER: We will provide the signal timing and phasing plans received from NYSDOT.

7. HBA notes that the segment of North Main Street was declared a Priority Investigation Location (PIL) by the New York State Department of Transportation Investigation Location (PIL) by the New York State Department of Transportation (NYSDOT) in its letter dated March 1, 2010. HBA should include the plans or summarize the improvements proposed by the NYSDOT PIL that is referenced.
    ANSWER: We will reach out to NYSDOT to see if the design is progressing and ask for a schedule for the improvements.
    a. HBA analyzed the intersection of North Main Street and Washington Avenue with new geometry, new signal timing/phases. Documents and/or plans showing these improvements, along with their anticipated construction schedule, should be included in the report. Additionally, the storage length of new lanes should be noted.
    ANSWER: See response to Q7 above.

8. HBA conducted parking counts at the site November 8, 2022, and November 10, 2022, from 7:00 AM to 6:00 PM.
    a. LaBella notes that the counts were conducted in 2022 when impacts of COVID-19 pandemic could have been still affecting office operations, HBA should confirm that all the offices were tenanted and operational at the time of the counts and if there were any work-from-home policies in place that have been updated since the counts.

ANSWER: The offices were filled when the traffic and parking data was collected.

b. The parking figures referred to in the report should be included for review and validation by LaBella.
ANSWER: This information will be included in the revised report.

c. The report references the Institute of Transportation Engineering (ITE) Parking Generation Manual, to determine the parking demand on-site. HBA reports that the ITE LUC 710 "General Office Building" the 85th-percentile parking demand is 132 vehicles for a 45,439-square-foot building, which is less than the Village of New Hempstead Zoning Code and is considered conservative within the industry. However, if the building has a tenant(s) that aligns with a medical care use, the building made better qualify as a medical office building, which has a different parking generation. HBA should clarify this.
ANSWER: As stated above, there are no medical offices seeing patients in this building.

d. HBA applied the hourly distribution of daily site trip generation for the office expansion to understand the parking demand fluctuation during the day as shown in Table 12. This was applied to the parking demand for the existing offices. Table 13 shows that the maximum expected parking demand during the day is 78 vehicles at 1:00 PM, which is 44-percent of the parking spaces provided. This leaves the site with a parking surplus of 35 spaces. HBA should validate this methodology by utilizing Time-of-Day Distributions of LUC 710 provided by ITE.
ANSWER: This has been provided

e. On Tuesday August 27, 2024, LaBella's staff conducted a field visit to the site. During this time, a spot count of vehicles parked was performed to validate the parking demand on site. A total of 50 vehicles was counted at 12:30 PM. LaBella notes that the spot count is higher than the 30-minute interval counts conducted by HBA in November 2022.
ANSWER: We examined the LaBella count compared to the original data collected for the parking study. There was a difference of 10 cars at 12:30 pm. Since that time, we have collected additional parking data which will be presented in the revised report.

9. The HBA report provides a summary of crash data at the study intersections and North Main Street roadway segment between New Hempstead Road and Washington Avenue.
   a. The crash data is for the period 2017-2022. During this five-year period, 240 total crashes were reported, 59 resulted in an injury, and one resulted in a fatality.
   b. A focused crash summary along the site frontage should be prepared. HBA should provide a summary of crash locations, type, severity, and contributing factors.
   ANSWER: This has been provided
   c. Similarly, crash summary tables should be prepared for the study intersections and should highlight if any of the crashes involved a pedestrian or bicyclist.
   ANSWER: This has been provided
   d. LaBella suggests adding a discussion about the safety improvements by the NYSDOT that are proposed for North Main Street and site frontage.
   ANSWER: We added text to discuss
10. LaBella notes that Transport of Rockland (TOR) Bus Route 97 stops are present on both sides of North Main Street near the site driveway. A pedestrian marked crosswalk with high-visibility signs are present.
   a. LaBella recommends that HBA provide a summary of pedestrian/sidewalk infrastructure, and how the proposed project will integrate with and/or improve such

conditions. HBA should also include how public transportation connections can be made to and from the subject site.
ANSWER: Added text.

11. LaBella recommends that a sight distance evaluation, including intersection and stopping sight distance measurements, be conducted for the site driveway on North Main Street.
ANSWER: Text has been added.

The site plan comments will be addressed by the site engineer.

Sincerely yours,

Harry Baker

Harry Baker

TE-26X

STATE OF NEW YORK - DEPARTMENT OF TRANSPORTATION
TRAFFIC ENGINEERING & SAFETY DIVISION
TRAFFIC CONTROL SPECIFICATIONS

STUDY :
CONTRACT :
PIN :
FILE :

R-73 (SIGNAL NO(S)) | ROCKLAND (COUNTY) |

INTERSECTION Route 45 @ New Hempstead Rd.

☐ CITY ☐ VILLAGE ☒ TOWN OF RAMAPO

Department Order filed _____ as Section 2039.39 Subdivision (h)

Prior specifications hereby superseded ☐ None ☒ April 9, 2002

Purpose : ADD LEFT TURN ARROWS,HEADS,PHASES,DETECTION TO REMAINING APPROACHES.

These specifications will be effective upon the ☐ Installation ☒ Modification of the necessary traffic control device(s) required by and conforming to the State Manual of Uniform Traffic Control Devices

I. This Signal shall

A. Operate in accordance with the Table of Operations and / of Change intervals as shown on page(s) 2 as a :

- ☐ Pretimed Signal
- ☐ Semi-traffic actuated signal
- ☒ Full-traffic actuated signal
- ☐ Pedestrian actuated signal
- ☒ Other ~~Fire Pre-Empt~~

B.
- ☒ Display vehicular indications
- ☐ Display pedestrian indications
- ☒ Be equipped with vehicle detectors
- ☐ Be equipped with Pedestrian pushbuttons

as shown in the ☒ schematic ☐ scaled drawing on page 3

C. Be equipped with ☒ pre-emption ☐ interconnection and / or coordination which are described as follows

This signal is equipped with emergency fire pre-emption for all approaches.

cc:
- (1) ☒ Main Office
- (1) ☒ Region 8 Traffic Engineer
- (1) ☒ R NOVAK TST-2
- (1) ☒ CONTRACT MAINTAINER

Date | Signature | RTE Title

Installation Date

Modification Date 2/6/09

STATE OF NEW YORK - DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
TRAFFIC CONTROL SIGNAL SPECIFICATIONS (CONTINUED)

STUDY:
CONTRACT:
PIN:
FILE:

R-73 (SIGNAL NO(S)) | Rockland (COUNTY) | (DATE) | PAGE 2 OF 20 PAGES

TABLE OF OPERATIONS

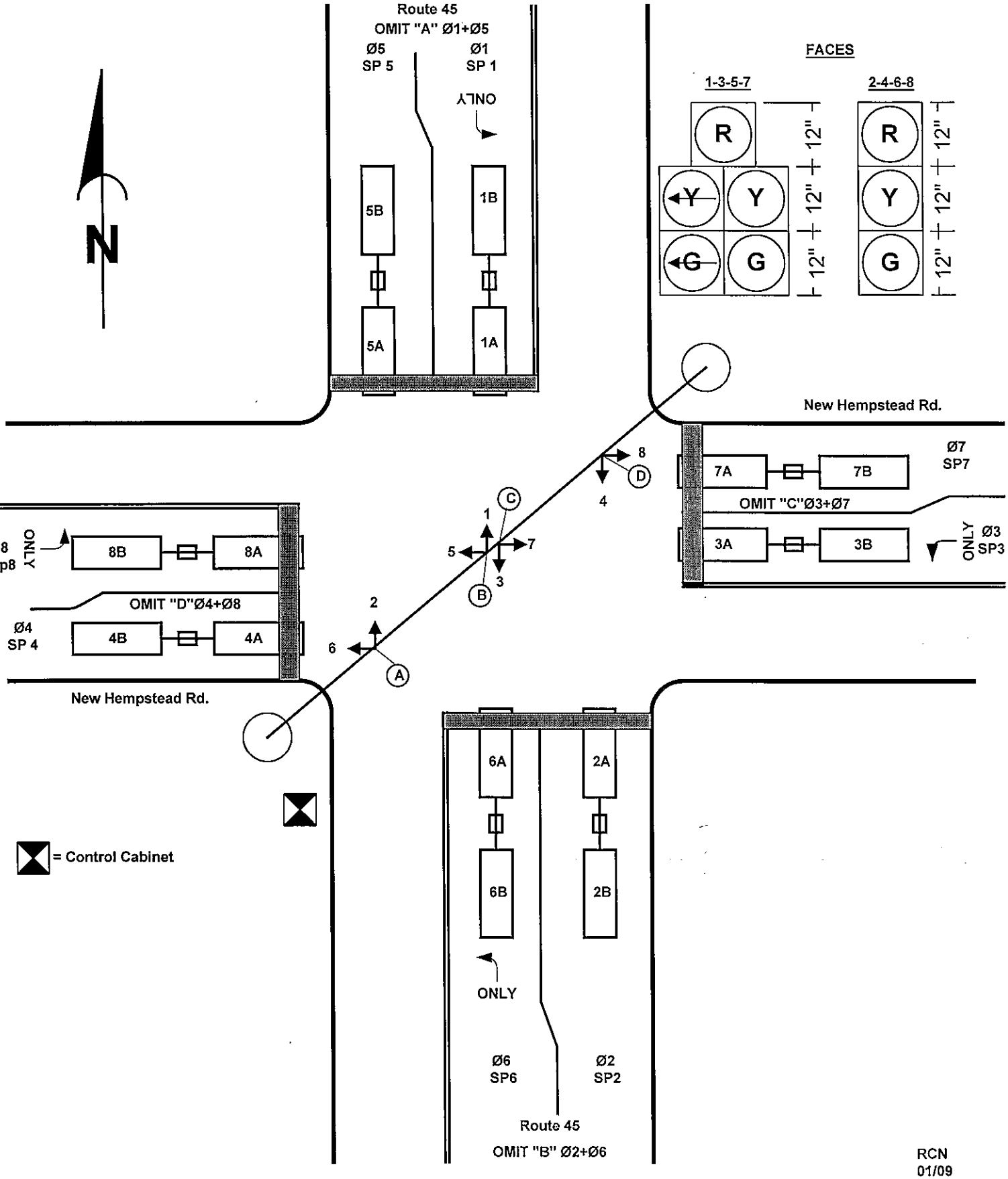
PHASES	FACES							
	1	2	3	4	5	6	7	8
Ø1	←/Red	Red	Red	Red	Red	Red	Red	Red
Ø2	Red	Red	Green	Green	Red	Red	Red	Red
Ø3	Red	Red	Red	Red	Red	Red	←/Red	Red
Ø4	Red	Red	Red	Red	Green	Green	Red	Red
Ø5	Green	Green	Red	Red	Red	Red	Red	Red
Ø6	Red	Red	Green	Red	Red	Red	Red	Red
Ø7	Red	Red	Red	Red	Red	Red	Green	Green
Ø8	Red	Red	Red	Red	←/Red	Red	Red	Red
Ø1+Ø5	←/Green	Green	Red	Red	Red	Red	Red	Red
Ø1+Ø6	←	Red	←	Red	Red	Red	Red	Red
Ø2+Ø5	Green	Green	Green	Green	Red	Red	Red	Red
Ø2+Ø6	Red	Red	←/Green	Green	Red	Red	Red	Red
Ø3+Ø7	Red	Red	Red	Red	Red	Red	←/Green	Green
Ø3+Ø8	Red	Red	Red	Red	←	Red	←	Red
Ø4+Ø7	Red	Red	Red	Red	Green	Green	Green	Green
Ø4+Ø8	Red	Red	Red	Red	←/Green	Green	Red	Red
Omit "A" Ø1+Ø5	←/Green	Green	Red	Red	Red	Red	Red	Red
Omit "B" Ø2+Ø6	Red	Red	←/Green	Green	Red	Red	Red	Red
Omit "C" Ø3+Ø7	Red	Red	Red	Red	Red	Red	←/Green	Green
Omit "D" Ø4+Ø8	Red	Red	Red	Red	←/Green	Green	Red	Red
Flashing Operation	Fl Yellow	Fl Yellow	Fl Yellow	Fl Yellow	Fl Red	Fl Red	Fl Red	Fl Red

RCN
01/09

STATE OF NEW YORK - DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
TRAFFIC CONTROL SIGNAL SPECIFICATIONS (CONTINUED)

STUDY:
CONTRACT:
PIN:
FILE:

R-73	ROCKLAND	01/05/09	PAGE 3 OF 20 PAGES
SIGNAL NO(S)	COUNTY	DATE	



RCN
01/09

TE-26X

MODEL 179 PHASE TIMING TABLE/FEATURES
SIGNAL OPERATION SPECIFICATION

STUDY :
CONTRACT :
PIN :
FILE :

SIGNAL # R-73 COUNTY # ROCKLAND DATE ~~Apr. 9, 2002~~

(NOTE: USE DECIMAL - EDIT KEY "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

PHASE TIMING DATA / TIMER INTERVALS

INTERVAL	PHASE / INT. #	Rte.45 SB LTA F1	Rte.45 N.B. F2	WB New Hem LTA F3	EB New Hem F4	Rte.45 S.B. F5	Rte.45 NB LTA F6	WB New Hem F7	EB New Hem LTA F8
MEMORY / RECALL	00	000	003	000	000	003	000	000	000
WALK	01								
PEDESTRIAN CLEARANCE	02								
INITIAL	03	003	010	003	003	010	003	003	003
VARIABLE INITIAL	04								
VARIABLE INITIAL LIMIT	05								
TIME BEFORE REDUCTION	06								
TIME TO REDUCE	07								
MAXIMUM GAP	08	03.0	03.0	03.0	03.0	03.0	03.0	03.0	03.0
MINIMUM GAP	09								
GAP CLOCK	10	USED WITH DAA ONLY				USED WITH DBB ONLY			
MAXIMUM GREEN 1	11	010	030	010	035	030	010	035	010
MAXIMUM GREEN 2	12		045			045			
MAXIMUM GREEN 3	13								
RECALL GREEN	14	006	025	006	025	025	006	025	006
YELLOW CLEARANCE	15	04.0	04.0	04.0	04.0	04.0	04.0	04.0	04.0
RED CLEARANCE	16	01.0	01.0	01.0	01.0	01.0	01.0	01.0	01.0
THIRD CLEARANCE	17								
FOURTH CLEARANCE	18								
INTERVALS	19 - 28	RESERVED FOR				FUTURE USE			
REDUCE BY	29	USED WITH DAA ONLY				USED WITH DBB ONLY			
EVERY	30	USED WITH DAA ONLY				USED WITH DBB ONLY			
CARS WAITING	31	USED WITH DAA ONLY				USED WITH DBB ONLY			

MEMORY / RECALL CODES: (MAY BE COMBINED)

MEMORY OFF	= 000
MEMORY ON	= 001
MINIMUN RECALL	= 002
RECALL GREEN	= 004
PED RECALL	= 008
RECALL TO MAX	= 016

NOTES :

Max II for phases 2 & 6 from 16:00pm to 19:00pm 7 days a week.
Emergency Fire Pre-Emption for the following phase combinations:
Omit "A"=phases 1 & 5
Omit "B"=phases 2 & 6
Omit "C"=phases 3 & 7
Omit "D"=phases 4 & 8

MODEL 179 MISCELLANEOUS TIMMER DISPLAYS
SIGNAL OPERATION SPECIFICATIONS

TAPS _____
STUDY # _____
FILE # _____
PAGE 5 OF ____

SIGNAL # R-73 COUNTY # ROCKLAND DATE _____

(NOTE: USE THE D (LOCATION #) COMMAND TO ACCESS THESE DYNAMIC TIMERS)

DETECTOR DELAY/EXTENSION TIMERS

TIMER DESCRIPTION	LOCATION	TIMER DESCRIPTION	LOCATION
DELAY TIMERS 1 - 32	2040-205F	EXTENSION TIMERS 1-32	2060-207F

(To obtain the location for a specific detector delay or extension timer, subtract 100 from the location number where the delay or extension time is set in locations 2140-217F.)

PRE-EMPTION TIMERS		PHASE SELECTION TIMERS	
TIME BEFORE PRE-EMPT TIMER	2080	GUARANTEED GREEN TIMER	208A
EXTENSION TIMER	2081		
GUARANTEED GREEN TIMER	2082		
CALL SELECT GREEN TIMER	2083		

EXCLUSIVE PEDESTRIAN		OFFSET HOLD	
EXCL. PED WALK TIMER	208B	@ SAFETY TIMER	208D
EXCL. PED CLEARANCE TIMER	208C	@ EXTENSION TIMER	208E

CABINET FLASH TIME LOG (VIEW COMPOSITE DISPLAY THROUGH SPECIAL COMMAND "CF")

YEAR LAST ACTIVATED	2090	HOUR LAST ACTIVATED	2093
MONTH LAST ACTIVATED	2091	MINUTE LAST ACTIVATED	2094
DAY LAST ACTIVATED	2092		

POWERDOWN COUNTERS (TAPS VERSION 0.2 AND UP)

NUMBER OF SHORT POWERDOWNS	2097	(THESE ARE # OF POWERDOWNS OR # OF TIMES THE
NIMBER OF LONG POWERDOWNS	2098	SYSTEM REPAIRED ITSELF
NUMBER OF SYS REPAIRS	2099	SINCE 00:00 MIDNIGHT SUNDAY MORNING)

COORDINATION/TIMECLOCK STATUS WORDS:
INDICATOR LIGHT # 9/AUX # 1 = T.C.FUNCTION IN EFFECT
INDICATOR LIGHT # 10/AUX # 2 = COORDINATION IN EFFECT

WEEK PROGRAM IN EFFECT	20C0	PATTERN IN EFFECT	20C2
DAY PROGRAM IN EFFECT	20C1	*T.C. FUNCTION IN EFFECT	20C3

*When this location is displayed the three-digit code for the timeclock function(s) in effect will be displayed and indicator lights will be lit to indicate function as follows:

Function	Code	LED IND #		Function	Code	LED IND #	
Omit A	001	9	AUX 1	Aux. Output (SP9Y)	032	14	Aux 6
Omit B	002	10	2	Input by T.C.	064	15	7
R.I.R.	004	11	3	Spare	128	16	8
Max 2	008	12	4	Flash	255	9-16	1-8
Max 3	016	13	5				

@ NOT IMPLEMENTED

TE 262-1 (5/94)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V-1/1
STUDY #
FILE #

SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE DECIMAL – KEY "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

MISCELLANEOUS PROGRAMMABLE DATA

TIMING/RANGE	FUNCTION	LOCATION	TIME
IN SECONDS	STARTUP CLEARANCE TIMER A	2100	0 0 2
IN SECONDS	STARTUP CLEARANCE TIMER B	2101	
IN MINUTES (004-060)	DETECTOR ANALYSIS TIME	2102	0 3 4
000 = GREEN GATING	UNCONDITIONAL DELAY/EXTENSION	2103	— — —
001 = UNCONDITIONAL IN SECONDS (004-012)	ALL RED STARTUP TIMER	2104	0 0 4
LOCATIONS 2105 – 2109	RESERVED FOR FUTURE USE		

MISCELLANEOUS PROGRAMMABLE DATA

TIMING/RANGE	FUNCTION	LOCATION	TIME
ENABLE = 000 DISABLE =170	ACLINE FATAL ERROR SWITCH	2110	— — —
ENABLE = 102 DISABLE = 000	DIAGNOSTIC MESSAGE CIRCULAR BUFFER (USED WITH GUARD)	2111	— — —
LOCATIONS 2112 – 2114	RESERVED FOR FUTURE USE		

RANDOM INPUTS PROGRAMMABLE DATA

TIMING/RANGE	FUNCTION	LOCATION	TIME
001 – 255	MAXIMUM RANDOM INPUT INTERVAL	2115	— — —
001 – 040	MAX NO OF PERMITTED DETECTORS	2116	— — —
ENABLE = 099 DISABLE = 000	RANDOM INPUTS SWITCH WORD	2117	— — —
LOCATIONS 2118 – 213F	RESERVED FOR FUTURE USE		

@ NOT IMPLEMENTED

TE 262-2 (5/94)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V-1/1
STUDY #
FILE #
PAGE 7 OF 20

SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE DECIMAL – KEY "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

MISCELLANEOUS PROGRAMMABLE DATA

DELAY TIMES (DELAY TIME IN TENTHS OF SECONDS)			EXTENSION TIMES (EXT TIME IN TENTHS OF SECONDS)		
DETECTOR # 1	2140	05.0	DETECTOR # 1	2160	
DETECTOR # 2	2141		DETECTOR # 2	2161	
DETECTOR # 3	2142	05.0	DETECTOR # 3	2162	
DETECTOR # 4	2143		DETECTOR # 4	2163	
DETECTOR # 5	2144		DETECTOR # 5	2164	
DETECTOR # 6	2145	05.0	DETECTOR # 6	2165	
DETECTOR # 7	2146		DETECTOR # 7	2166	
DETECTOR # 8	2147	05.0	DETECTOR # 8	2167	
DETECTOR # 9	2148		DETECTOR # 9	2168	
DETECTOR #10	2149		DETECTOR #10	2169	
DETECTOR #11	214A		DETECTOR #11	216A	
DETECTOR #12	214B		DETECTOR #12	216B	
DETECTOR #13	214C		DETECTOR #13	216C	
DETECTOR #14	214D		DETECTOR #14	216D	
DETECTOR #15	214E		DETECTOR #15	216E	
DETECTOR #16	214F		DETECTOR #16	216F	
DETECTOR #17	2150		DETECTOR #17	2170	
DETECTOR #18	2151		DETECTOR #18	2171	
DETECTOR #19	2152		DETECTOR #19	2172	
DETECTOR #20	2153		DETECTOR #20	2173	
DETECTOR #21	2154		DETECTOR #21	2174	
DETECTOR #22	2155		DETECTOR #22	2175	
DETECTOR #23	2156		DETECTOR #23	2176	
DETECTOR #24	2157		DETECTOR #24	2177	
DETECTOR #25	2158		DETECTOR #25	2178	
DETECTOR #26	2159		DETECTOR #26	2179	
DETECTOR #27	215A		DETECTOR #27	217A	
DETECTOR #28	215B		DETECTOR #28	217B	

LOCATIONS 215C – 215F RESERVED FOR FUTURE USE LOCATIONS 217C – 217F

) NOT IMPLEMENTED

TE 262-3 (5/94)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V- / /
STUDY #
FILE #
PAGE 8 OF 20

SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE DECIMAL – KEY "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

MISCELLANEOUS PROGRAMMABLE DATA (CONT.)

PRE-EMPTION – IN SECONDS	PRE-EMPT A		PRE-EMPT B		PRE-EMPT C	
	LOC.	TIME	LOC.	TIME	LOC.	TIME
TIME BEFORE PRE-EMPTION	2180	___	2183	___	2186	___
EXTENSION TIME	2181	___	2184	___	2187	___
GUARANTEED GREEN TIME BEFORE	2182	___	2185	___	2188	___
CALL SELECT GREEN BEFORE					2189	___

	MISCELLANEOUS		
TIMING/RANGE	FUNCTION	LOC.	TIME
IN SECONDS	PHASE SELECTION – GUARANTEED GREEN TIME	218A	___
IN SECONDS	EXCLUSIVE PED. WALK INTERVAL	218B	___
IN SECONDS	EXCLUSIVE PED. CLEARANCE INTERVAL	218C	___
	@ OFFSET HOLD-SAFETY OVERRIDE	218D	___
	@ OFFSET HOLD-EXTENSION	218E	___
LOCATIONS 218F – 21DD	RESERVED FOR FUTURE USE		

@ NOT IMPLEMENTED

TE 262-4 (5/94)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V- / /
STUDY # _____
FILE # _____

SIGNAL # R-73 COUNTY # ROCKLANDS DATE _____

(NOTE: USE DECIMAL – KEY "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

MISCELLANEOUS PROGRAMMABLE DATA (CONT.)

TAPS EDIT PROTECT CODE

EDIT PROTECT CODE		21DE	___ ___ ___
NO PROTECT	= 000		
TRAFFIC COUNTS	= 001		
PATTERN PHASING	= 002		
PATTERN TIMING	= 004		
TIMECLOCK TABLES	= 008		
SIGNAL PROGRAMMABLE FEATURES	= 016		
SIGNAL TIMING FEATURES AND FAILURE ALARMS	= 032		

TAPS EDIT ACCESS CODE

EDIT ACCESS CODE – MUST BE CODED IN ORDER TO EDIT ALL OTHER PROGRAMMABLE FEATURES LOCATIONS	21DF	___ ___ ___

LOCATIONS 21E0 – 21EB RESERVED FOR FUTURE USE

DAYLIGHT SAVINGS TIME (TAPS VERSION 0.2 AND UP ONLY)

001 – 012	BEGIN DAYLIGHT SAVINGS TIME MONTH	21EC	0 0 3
001 – 012	END DAYLIGHT SAVINGS TIME MONTH	21ED	0 1 1
001 = FIRST 002 = SECOND 003 = THIRD 004 = FOURTH 005 = LAST OR FIFTH	BEGIN DAYLIGHT SAVINGS TIME WEEK OF MONTH	21EE	0 0 2
001 = FIRST 002 = SECOND 003 = THIRD 004 = FOURTH 005 = LAST OR FIFTH	END DAYLIGHT SAVINGS TIME WEEK OF MONTH	21EF	0 0 1

MASTER TIME CLOCK

001 – 012	*Use "C8" and "C9" commands to display	*MONTH OF YEAR	21F0	___ ___ ___
001 – 031		*DAY OF MONTH	21F1	___ ___ ___
000 – 099		*YEAR	21F2	___ ___ ___
000 – 023		*HOUR OF DAY	21F3	___ ___ ___
000 – 059		*MINUTE OF HOUR	21F4	___ ___ ___
000 – 059		*SECOND OF MINUTE	21F5	___ ___ ___
001 – 007		DAY OF WEEK	21F6	___ ___ ___
001 – 053 (READ ONLY)		WEEK OF YEAR	21F7	___ ___ ___
001 = To portable card 002 = From portable card	TRANSFER MASTER CLOCK		21F8	___ ___ ___

LOCATIONS 21F9 – 21FF RESERVED FOR FUTURE USE

TE 262-5 (5/94)

MODEL 179 SIGNAL OPERATION PROGRAMMABLE FEATURES SIGNAL OPERATION SPECIFICATION

TAPS V- / /
STUDY #
FILE #

SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
VEHICLE PHASES PERMITTED	φ 1	φ 2	φ 5	φ 6	φ 3	φ 4	φ 7	φ 8	2200	F F
PEDESTRIAN PHASES PERMITTED	φ 1	φ 2	φ 5	φ 6	φ 3	φ 4	φ 7	φ 8	2201	— —
	SP	SP	SP	SP	SP	SP	SP	SP		
STARTUP A OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	2202	3 1
STARTUP A OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	2203	3 1
STARTUP A OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	2204	0 5
STARTUP A OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	2205	— —
STARTUP A OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	2206	— —
STARTUP A OUTPUT	14G	14Y	14R	13G	13Y	13R	–	–	2207	— —
										— —
STARTUP B OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	2208	— —
STARTUP B OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	2209	— —
STARTUP B OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	220A	— —
STARTUP B OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	220B	— —
STARTUP B OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	220C	— —
STARTUP B OUTPUT	14G	14Y	14R	13G	13Y	13R	–	–	220D	— —
STARTUP PHASES	φ 1	φ 2	φ 5	φ 6	φ 3	φ 4	φ 7	φ 8	220E	6 0

MISCELLANEOUS CONTROL WORDS

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
@ MANUAL ADVANCE/HOLD	φ 1	φ 2	φ 5	φ 6	φ 3	φ 4	φ 7	φ 8	220F	— —
@ MANUAL CONTROL MODIFIER	01 = ADVANCE 02 = HOLD 03 = EXCLUSIVE PEDESTRIAN								2210	— —
@ REST POINT	BEFORE GAP = 00 AFTER GAP = 01								2211	— —
DUAL RING MODIFIER	QUAD LEFT TURN OPERATION = 00 SPECIAL 6 PHASE SEQUENTIAL = 01								2212	— —
CLEAR TABLE SELECTOR WORD	SIGNAL OPERATION FEATURES = 01 DAY PROGRAM = 02 YEAR PROGRAMMING TABLES = 04 PATTERN TIMING = 08 PATTERN PHASING = 10 TRAFFIC COUNT = 20 GUARD ERROR COUNTERS* = 40								2213	— —

@ NOT IMPLEMENTED

* TAPS VERSION 0.2 AND UP ONLY

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MODEL 179 SIGNAL OPERATION
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(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

INPUT NUMBER	LOC.	FUNCTION CODE
INPUT # 1	2214	1 8
INPUT # 2	2215	2 8
INPUT # 3	2216	3 8
INPUT # 4	2217	4 8
INPUT # 5	2218	5 8
INPUT # 6	2219	6 8
INPUT # 7	221A	7 8
INPUT # 8	221B	8 8
INPUT # 9	221C	— —
INPUT #10	221D	— —
INPUT #11	221E	— —
INPUT #12	221F	— —
INPUT #13	2220	— —
INPUT #14	2221	— —
INPUT #15	2222	— —

INPUT NUMBER	LOC.	FUNCTION CODE	
INPUT #16	2223	— —	
INPUT #17	2224	— —	
INPUT #18	2225	— —	
INPUT #19	2226	— —	
INPUT #20	2227	— —	
INPUT #21	2228	— —	
INPUT #22	2229	— —	
INPUT #23	222A	— —	
INPUT #24	222B	— —	
INPUT #25	222C	B 1	"BEE 1"
INPUT #26	222D	B 2	"BEE 2"
INPUT #27	222E	B 4	"BEE 4"
INPUT #28	222F	B 8	"BEE 8"

LOCATIONS 2230 – 2238 RESERVED FOR FUTURE USE

INPUT FUNCTION CODES

STANDARD VEH/PED INPUT FUNCTION CODES

VEH/PED FUNCTION CODES CAN BE MADE BY COMBINING THE PHASE NUMBER (X) WITH THE INPUT SPECIFIER (Y).

	(XY)
PEDESTRIAN BUTTON	= X2
VEHICLE CALLING DETECTOR	= X4
NORMAL VEHICLE DETECTOR	= X8

(A PHASE 1 NORMAL VEHICLE DETECTOR WOULD THEREFORE BE CODED AS "1 8")

MISCELLANEOUS INPUT FUNCTION CODES

EXCLUSIVE PED.	= 02	PREMPT C	= 21
		PREMPT B	= 41
		PREMPT A	= 81
		@OFFSET HOLD	= D0
		@COUNT ONLY DETECTOR	= D1
PHASE SELECT OMIT A	= B1	@MANUAL ADVANCE	= D2
PHASE SELECT OMIT B	= B2	@MANUAL CONTROL	= D3
PHASE SELECT OMIT C	= B4	LIGHT REDUCTION	= D4
PHASE SELECT OMIT D	= B8	@AUXILLIARY OUTPUT (SP9-Y)	= D5
CYCLE 1	= C8	OFFSET 1	= CC
CYCLE 2	= C9	OFFSET 2	= CD
CYCLE 3	= CA	OFFSET 3	= CE
SYNCH	= CB	FREE	= CF

@ NOT IMPLEMENTED

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MODEL 179 SIGNAL OPERATION
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(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

INPUT CONTROL WORDS (CONT.)

	PHASE WORD									
FUNCTION	8	4	2	1	8	4	2	1	LOC.	CODE
INPUT JUMPING/SWITCHING										
NOTE: ANY INPUT FUNCTION CODE CAN BE USED AS A SECONDARY FUNCTION CODE.	@ SECONDARY FUNCTION - INPUT #1								223C	__ __
	@ SECONDARY FUNCTION - INPUT #2								223D	__ __
	@ SECONDARY FUNCTION - INPUT #3								223E	__ __
	@ SECONDARY FUNCTION - INPUT #4								223F	__ __
	@ SECONDARY FUNCTION - INPUT #5								2240	__ __
	@ SECONDARY FUNCTION - INPUT #6								2241	__ __
	@ SECONDARY FUNCTION - INPUT #7								2242	__ __
	@ SECONDARY FUNCTION - INPUT #8								2243	__ __
@ INPUT #1 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2244	__ __
@ INPUT #2 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2245	__ __
@ INPUT #3 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2246	__ __
@ INPUT #4 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2247	__ __
@ INPUT #5 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2248	__ __
@ INPUT #6 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2249	__ __
@ INPUT #7 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	224A	__ __
@ INPUT #8 - SECOND PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	224B	__ __
DETECTOR ANALYSIS										
LOW OCCUPANCY OVERRIDE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	224C	__ __
HIGH OCCUPANCY OVERRIDE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	224D	__ __
MISCELLANEOUS										
@ OFFSET HOLD-PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	224E	__ __

LOCATIONS 224F-2256	RESERVED FOR FUTURE USE

MISCELLANEOUS										
@ REST PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2257	__ __

LOCATIONS 2258-226F	RESERVED FOR FUTURE USE

@ NOT IMPLEMENTED

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MODEL 179 SIGNAL OPERATION
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(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

OUTPUT CONTROL WORDS
COMBINE FUNCTION (X) AND SPECIFIER (Y) TO FORM CODE WORD (XY)

FUNCTION (X)	SPECIFIER (Y)		SWITCH PACK	LOC.	CODE
0 = PHASE	1 - 8 = PHASE		SP1	2270	0 1
1 = PED	1 = PEDA	4 = PEDD	SP2	2271	0 2
	2 = PEDB	5 = PEDE	SP3	2272	0 3
	3 = PEDC	6 = PEDF	SP4	2273	0 4
2 = OVERLAP	1 = OVLA	4 = OVLD	SP5	2274	0 5
	2 = OVLB	5 = OVLE	SP6	2275	0 6
	3 = OVLC	6 = OVLF	SP7	2276	0 7
4 = DOUBLE CLR	1 = DCA	2 = DCB	SP8	2277	0 8
	3 = DCC	4 = DCD	SP9*	2278	— —
	5 = DCE	6 = DCF	SP10	2279	— —
6 = DC/OVL	1 = DC/OVLA	2 = DC/OVLB	SP11**	227A	— —
C = MASTER OUTPUTS (R/Y/G)	0 = UNUSED/OFF2/OFF3		SP12	227B	— —
	C = CYC1/CYC2/CYC3		SP13	227C	— —
	F = FREE/SYNC/OFF1		SP14	227D	— —

NOTE: * SP9 (YELLOW) OUTPUTS AUX OUTPUT BY TIMECLOCK
* SP11 (YELLOW) OUTPUTS BLUE LIGHT

OVERLAPS

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
OVERLAP A GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	227E	— —
OVERLAP B GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	227F	— —
OVERLAP C GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2280	— —
OVERLAP D GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2281	— —
OVERLAP E GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2282	— —
OVERLAP F GREEN PHASE WORD	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2283	— —
OVERLAP A CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2284	— —
OVERLAP B CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2285	— —
OVERLAP C CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2286	— —
OVERLAP D CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2287	— —
OVERLAP E CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2288	— —
OVERLAP F CLEARANCE PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	2289	— —
DC/OVL A DBL. CLEAR PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228A	— —
DC/OVL B DBL. CLEAR PHASE	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228B	— —
DC/OVL A OVL GREEN PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228C	— —
DC/OVL B OVL GREEN PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228D	— —
DC/OVL A CLEARANCE PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228E	— —
DC/OVL B CLEARANCE PHASES	ϕ1	ϕ2	ϕ5	ϕ6	ϕ3	ϕ4	ϕ7	ϕ8	228F	— —

@ NOT IMPLEMENTED

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

OUTPUT CONTROL WORDS (CONT.)

	PHASE WORD									
FUNCTION	8	4	2	1	8	4	2	1	LOC.	CODE
PEDESTRIAN										
PEDESTRIAN A PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2290	— —
PEDESTRIAN B PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2291	— —
PEDESTRIAN C PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2292	— —
PEDESTRIAN D PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2293	— —
PEDESTRIAN E PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2294	— —
PEDESTRIAN F PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2295	— —
FLASHING WALK PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2296	— —
PEDESTRIAN PHASE REST IN WALK	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2297	— —
EXTENDED PED CLEARANCE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2298	— —
DOUBLE CLEARANCE										
DOUBLE CLEARANCE A PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	2299	— —
DOUBLE CLEARANCE B PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	229A	— —
DOUBLE CLEARANCE C PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	229B	— —
DOUBLE CLEARANCE D PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	229C	— —
DOUBLE CLEARANCE E PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	229D	— —
DOUBLE CLEARANCE F PHASE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	229E	— —
FLASH MODIFIER										
3 COLOR FLASH MODIFIER	NO = 00				YES = 01				229F	— —
	SP	SP	SP	SP	SP	SP	SP	SP		
3 COLOR FLASH MODIFIER OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	22A0	— —
3 COLOR FLASH MODIFIER OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	22A1	— —
3 COLOR FLASH MODIFIER OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	22A2	— —
3 COLOR FLASH MODIFIER OUTPUT	12G	12Y	12R	11G	11Y	11Y	10G	10R	22A3	— —
3 COLOR FLASH MODIFIER OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	22A4	— —
3 COLOR FLASH MODIFIER OUTPUT	14G	14Y	14R	13G	13Y	13R	–	–	22A5	— —
LIGHT REDUCTION										
	SP	SP	SP	SP	SP	SP	SP	SP		
LIGHT REDUCTION OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	22A6	— —
LIGHT REDUCTION OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	22A7	— —
LIGHT REDUCTION OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	22A8	— —
LIGHT REDUCTION OUTPUT	12G	12Y	12R	11G	11Y	11Y	10G	10R	22A9	— —
LIGHT REDUCTION OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	22AA	— —
LIGHT REDUCTION OUTPUT	14G	14Y	14R	13G	13Y	13R	–	–	22AB	— —

@ NOT IMPLEMENTED

TE 262-10 (5/94)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V- / /
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(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
PHASE SELECTION										
PHASE SELECTION - OMIT A	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22AC	5F
PHASE SELECTION - OMIT B	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22AD	AF
PHASE SELECTION - OMIT C	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22AE	F5
PHASE SELECTION - OMIT D	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22AF	FA
PHASE SELECTION - MODIFIER	OMIT IN ORDER OF CALL = 00 OMIT PRIORITY A-B-C-D = 80								22B0	— —
PRE-EMPTION										
PRE-EMPT MODIFIER	PRE-EMPT C FLASH = 02 PRE-EMPT C FLASH = TC FLASH = 82 PRE-EMPT PRIORITY C-A-B = 20								22B1	— —
BLUE LIGHT MODIFIER & SELECTOR - COMBINE BLUE LIGHT OUTPUT (X) AND PRE-EMPTION SPECIFIER (Y) TO FORM CODE WORD (XY)								(XY)	22B2	— —

BLUE LIGHT OUTPUT	(X)	PRE-EMPTION SPECIFIER	(Y)
FLASH	= 0	NO BLUE LIGHT	= 0
STEADY	= 8	PRE-EMPT A	= 1
		PRE-EMPT B	= 2
		PRE-EMPT C	= 4

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
PRE-EMPT A PHASE DELETE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22B3	— —
PRE-EMPT B PHASE DELETE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22B4	— —
PRE-EMPT C PHASE DELETE	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22B5	— —
PRE-EMPT C CALL SELECT φ	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22B6	— —
		SP	SP		SP	SP	SP	SP		
PRE-EMPT C FLASH OUTPUT	–	3Y	3R	–	2Y	2R	–	1R	22B7	— —
PRE-EMPT C FLASH OUTPUT	–	6Y	6R	–	5Y	5R	–	4R	22B8	— —
PRE-EMPT C FLASH OUTPUT	–	9Y	9R	–	8Y	8R	–	7R	22B9	— —
PRE-EMPT C FLASH OUTPUT	–	12Y	12R	–	11Y	11R	–	10R	22BA	— —
PRE-EMPT C FLASH OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	22BB	— —
PRE-EMPT C FLASH OUTPUT	–	14Y	14R	–	13Y	13R	–	–	22BC	— —

LOCATIONS 22BD-22CD	RESERVED FOR FUTURE USE

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PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

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(NOTE: USE HEX-EDIT KEY "4" FOR EDITING ALL LOCATIONS ON THIS PAGE)

TIMECLOCK FUNCTIONS

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
		SP	SP		SP	SP	SP	SP		
FLASH OUTPUT	–	3Y	3R	–	2Y	2R	–	1R	22CE	— —
FLASH OUTPUT	–	6Y	6R	–	5Y	5R	–	4R	22CF	— —
FLASH OUTPUT	–	9Y	9R	–	8Y	8R	–	7R	22D0	— —
FLASH OUTPUT	–	12Y	12R	–	11Y	11R	–	10R	22D1	— —
FLASH OUTPUT	–	–	–	–	7Y	1Y	10Y	4Y	22D2	— —
FLASH OUTPUT	–	14Y	14R	–	13Y	13R	–	–	22D3	— —
OMIT A PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22D4	— —
OMIT B PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22D5	— —
REST IN RED	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22D6	— —
MAX GRN II PHASE WORD	φ1	(φ2)	φ5	(φ6)	φ3	φ4	φ7	φ8	22D7	5 0
MAX GRN III PHASE WORD	φ1	φ2	φ5	φ6	φ3	φ4	φ7	φ8	22D8	— —
INPUT 1-16 BY TIMECLOCK	1	3	5	7	9	11	13	15		— —
	2	4	6	8	10	12	14	16	22D9	— —
INPUT 17-28 BY TIMECLOCK	17	19	21	23	25	27				— —
	18	20	22	24	26	28			22DA	— —

TE 262-12 (5/94)

MODEL 179 SIGNAL OPERATION
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SIGNAL OPERATION SPECIFICATION

TAPS V- / /
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SIGNAL # R-73 COUNTY # ROCKLAND DATE

(NOTE: USE DECIMAL-EDIT "E" FOR EDITING ALL LOCATIONS ON THIS PAGE)

TABLE OF DAY PROGRAMS

EVENT #	A DAY PROG. #	B PATT. #	C TIME CLOCK FUNCT.	D TIME HR : MIN.	EVENT #	A DAY PROG. #	B PATT. #	C TIME CLOCK FUNCT.	D TIME HR : MIN.	EVENT #	A DAY PROG. #	B PATT. #	C TIME CLOCK FUNCT.	D TIME HR : MIN.
E001	001	000	008	16.0	E010				:	E019				:
E002	001	000	000	19.0	E011				:	E020				:
E003				:	E012				:	E021				:
E004				:	E013				:	E022				:
E005				:	E014				:	E023				:
E006				:	E015				:	E024				:
E007				:	E016				:	E025				:
E008				:	E017				:	E026				:
E009				:	E018				:	E027				:

PATTERN CODES

000 = NO PATTERN	006 = PATTERN 6
001 = PATTERN 1	007 = PATTERN 7
002 = PATTERN 2	008 = PATTERN 8
003 = PATTERN 3	009 = PATTERN 9
004 = PATTERN 4	010 = PATTERN 10
005 = PATTERN 5	

TIMECLOCK FUNCTION CODES

000 = NO FUNCTION	016 = MAXIII
001 = OMIT "A"	032 = AUX. OUTPUT
002 = OMIT "B"	064 = INPUT BY TC
004 = R.I.R.	128 = SPARE
008 = MAXII	255 = FLASH

TABLE OF WEEK PROGRAMS

WEEK #		001	002	003
DAY	CODE	d01	d02	d03
JN	1	001		
ON	2	001		
JES	3	001		
ED	4	001		
HUR	5	001		
I	6	001		
AT	7	001		

TABLE OF YEAR PROGRAMS

CODE	WEEK NO.	CODE	WEEK PROG #
2550		2551	
2552		2553	
2554		2555	
2556		2557	
2558		2559	
255A		255B	

TABLE OF EXCEPTION DAYS

CODE	MONTH NO.	CODE	DAY OF MONTH	CODE	DAY PROG. NO.
2590		2591		2592	
2593		2594		2595	
2596		2597		2598	
2599		259A		259B	
259C		259D		259E	

NOTE: WEEK PROGRAM #001 IS IN EFFECT UNTIL CHANGED BY DEFAULT. CHANGE STAYS IN EFFECT UNTIL CHANGED AGAIN.

OTE: FOR WEEK PROGRAM #001, ALL DAY PROGRAMS ARE INITIALIZED = 001.

TE 262-12 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS _____
STUDY # _____
FILE # _____

SIGNAL # R-73 COUNTY # Rockland DATE _____

SWITCH PACK	FUNCTION	INDICATIONS	FACE	TERMINAL WIRING BOARD		FACE	TERMINAL WIRING BOARD	
				TERMINAL	WIRE COLOR CODE		TERMINAL	WIRE COLOR CODE
1	Ø1	----------	1	SP 1 R	----------		SP 1 R	
		◄		SP 1 Y	14/15c-B-O/Blk.		SP 1 Y	
		◄		SP 1 G	-G/Blk.		SP 1 G	
		Ground Wire		Grnd Bus	-W/Blk.		Grnd Bus	
2	Ø2	Red	3	SP 2 R	14/15c-C-R	4	SP 2 R	14/10c-D-R
		Yellow		SP 2 Y	-O		SP 2 Y	-O
		Green		SP 2 G	-G		SP 2 G	-G
		Ground Wire		Grnd Bus	-W		Grnd Bus	-W
3	Ø3	----------	7	SP 3 R	----------		SP 3 R	
		◄		SP 3 Y	14/15c-C-Bl		SP 3 Y	
		◄		SP 3 G	-Blk.		SP 3 G	
		Ground Wire		Grnd Bus	-Bl/Blk.		Grnd Bus	
4	Ø4	Red	5	SP 4 R	14/15c-B-R/W	6	SP 4 R	14/10c-A-R/Blk
		Yellow		SP 4 Y	-Bl/W		SP 4 Y	-O/Blk
		Green		SP 4 G	-G/W		SP 4 G	-G/Blk
		Ground Wire		Grnd Bus	-Blk./W		Grnd Bus	-W/Blk
5	Ø5	Red	1	SP 5 R	14/15c-B-R	2	SP 5 R	14/10c-A-R
		Yellow		SP 5 Y	-O		SP 5 Y	-O
		Green		SP 5 G	-G		SP 5 G	-G
		Ground Wire		Grnd Bus	-W		Grnd Bus	-W
6	Ø6	----------	3	SP 6 R	----------		SP 6 R	
		◄		SP 6 Y	14/15c-C-O/Blk.		SP 6 Y	
		◄		SP 6 G	-G/Blk.		SP 6 G	
		Ground Wire		Grnd Bus	-W/Blk.		Grnd Bus	
7	Ø7	Red	7	SP 7 R	14/15c-C-R/W	8	SP 7 R	14/10c-D-R/Blk
		Yellow		SP 7 Y	-Bl/W		SP 7 Y	-O/Blk
		Green		SP 7 G	-G/W		SP 7 G	-G/Blk
		Ground Wire		Grnd Bus	-Blk./W		Grnd Bus	-W/Blk
8	Ø8	----------	5	SP 8 R	----------		SP 8 R	
		◄		SP 8 Y	14/15c-B-Bl		SP 8 Y	
		◄		SP 8 G	-Blk.		SP 8 G	
		Ground Wire		Grnd Bus	-Bl/Blk		Grnd Bus	
9				SP 9 R			SP 9 R	
				SP 9 Y			SP 9 Y	
				SP 9 G			SP 9 G	
		Ground Wire		Grnd Bus			Grnd Bus	
10				SP 10 R			SP 10 R	
				SP 10 Y			SP 10 Y	
				SP 10 G			SP 10 G	
		Ground Wire		Grnd Bus			Grnd Bus	
11				SP 11 R			SP 11 R	
				SP 11 Y			SP 11 Y	
				SP 11 G			SP 11 G	
		Ground Wire		Grnd Bus			Grnd Bus	
12				SP 12 R			SP 12 R	
				SP 12 Y			SP 12 Y	
				SP 12 G			SP 12 G	
		Ground Wire		Grnd Bus			Grnd Bus	
13				SP 13 R			SP 13 R	
				SP 13 Y			SP 13 Y	
				SP 13 G			SP 13 G	
		Ground Wire		Grnd Bus			Grnd Bus	
14				SP 14 R			SP 14 R	
				SP 14 Y			SP 14 Y	
				SP 14 G			SP14 G	
		Ground Wire		Grnd Bus			Grnd Bus	

TE 262-13 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS _____
STUDY # _____
FILE # _____

SIGNAL # R-73 **COUNTY #** Rockland **DATE** _____

Conflict / Current Monitor Programmming

Diodes to be Cut			CONFLICT MONITOR YELLOW JUMPERS TO BE INSTALLED	CURRENT MONITOR DIODES TO BE CUT
Sp1-Sp5				**1,3,6,8-14**
Sp1-Sp6				
Sp2-Sp5				
Sp2-Sp6				
Sp3-Sp7				
Sp3-Sp8				
Sp4-Sp7				
Sp4-Sp8				

NOTE : _____

RCN
1/09

TE 262-14 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS _____
STUDY # _____
FILE # _____
PAGE 20 OF 20

SIGNAL # R-73 COUNTY Rockland DATE _____

TABLE OF INPUT WIRING

TERM. NUMBER	FUNCTION	DET. NO	DET. TYPE	DET. AN OVER	REMARKS
1A, 1B	Ø1	1	Normal		Presence Loop
2A, 2B	Ø2	2	Normal		Presence Loop
3A, 3B	Ø3	3	Normal		Presence Loop
4A, 4B	Ø4	4	Normal		Presence Loop
5A, 5B	Ø5	5	Normal		Presence Loop
6A, 6B	Ø6	6	Normal		Presence Loop
7A, 7B	Ø7	7	Normal		Presence Loop
8A, 8B	Ø8	8	Normal		Presence Loop
9A, 9B					
10A, 10B					
11A, 11B					
12A, 12B					
13A, 13B					
14A, 14B					
15A, 15B					
16A, 16B					
17A, 17B					
18A, 18B					
19A, 19B					
20A, 20B					
21A, 21B					
22A, 22B					
23A, 23B					
24A, 24B					
25A, 25B	Omit "A" Ø1+Ø5	25	Emitter-Strobe		Opti-Com Fire Pre-Emption
26A, 26B	Omit "B" Ø2+Ø6	26	Emitter-Strobe		Opti-Com Fire Pre-Emption
27A, 27B	Omit "C" Ø3+Ø7	27	Emitter-Strobe		Opti-Com Fire Pre-Emption
28A, 28B	Omit "D" Ø4+Ø8	28	Emitter-Strobe		Opti-Com Fire Pre-Emption

TAPS - MODEL 179 OPERATING INSTRUCTIONS
KEYBOARD INPUT COMMANDS - SUMMARY

D < LOCATION # > :

daaaa xx	or	daaaa ttt	or	daaaaA ttt

- d = DISPLAY LOCATION # COMMAND
- aaaa = LOCATION # ENTERED
- A = DAY PROGRAM EVENT PART (A-D) (LOCATIONS E001 - E192 ONLY)
- xx = HEX. DATA VALUE (00-FF)
- ttt = DECIMAL DATA VALUE (000-255)

DAA < TIMING INT. # > :

dAAii
Fa:ttt

- dAA = DISPLAY RING A INTERVAL COMMAND
- ii = INTERVAL NUMBER ENTERED (00-31)
- F = FAZE
- a = RING A PHASE # (1-4) - DYNAMIC
- ttt = INTERVAL TIMING - DYNAMIC

DBB < TIMING INT. # > :

dbbjj
Fb:sss

- dbb = DISPLAY RING B INTERVAL COMMAND
- jj = INTERVAL NUMBER ENTERED (00-31)
- F = FAZE
- b = RING B PHASE # (5-8) - DYNAMIC
- sss = INTERVAL TIMING - DYNAMIC

DCC < DETECTOR # > :

dCCll
xxx

- dCC = DISPLAY DETECTOR COUNT COMMAND
- ll = DETECTOR NUMBER ENTERED (01-40)
- xxx = NUMBER OF ACTUATIONS SINCE TERMINATION OF PHASE GREEN

CC7:

:C 7:
mm:d d:y y

- C7 = CHIP DATE month/day/year COMMAND
- mm = MONTH (01-12)
- dd = DAY (01-31)
- yy = YEAR (00-99)

CC8:

:C 8:
mm:d d:y y

- C8 = MASTER CLOCK month/day/year COMMAND
- mm = MONTH (01-12)
- dd = DAY (01-31)
- yy = YEAR (00-99)

CC9:

:C 9:
h h:m m:s s

- C9 = MASTER CLOCK hour/min/sec COMMAND
- hh = HOUR (00-23)
- mm = MINUTE (00-59)
- ss = SECOND (00-59)

CCA:

F a:C A:z z
i i: t t t

- CA = RING A DYNAMIC DISPLAY COMMAND
- F = FAZE
- a = RING A ACTIVE PHASE # (1-4)
- ii = RING A ACTIVE PHASE TIMING INTERVAL #
- ttt = DYNAMIC INTERVAL TIMING
- zz = PHASE TERMINATION MODE - FLASHING FLASHING DURING CLEARANCE

CCB:

z z:C B:F b
j j: s s s

- CB = RING B DYNAMIC DISPLAY COMMAND
- F = FAZE
- b = RING B ACTIVE PHASE # (5-8)
- jj = RING B ACTIVE PHASE TIMING INTERVAL #
- sss = DYNAMIC INTERVAL TIMING
- zz = PHASE TERMINATION MODE - FLASHING

CCC:

F a:C C:F b
i i: :j j

- CC = DUAL RING DYNAMIC DISPLAY COMMAND
- F = FAZE
- a = RING A ACTIVE PHASE # (1-4)
- b = RING B ACTIVE PHASE # (5-8)
- ii = RING A ACTIVE PHASE TIMING INTERVAL #
- jj = RING B ACTIVE PHASE TIMING INTERVAL #

(ii and jj replaced by zz during clearance)

CCD:

i i:C D:j j
tttsss

- CD = DUAL RING DYNAMIC DISPLAY COMMAND
- ii = RING A ACTIVE PHASE TIMING INTERVAL #
- jj = RING B ACTIVE PHASE TIMING INTERVAL #
- ttt = RING A DYNAMIC INTERVAL TIMING
- sss = RING B DYNAMIC INTERVAL TIMING

CCE:

m m:C E:n n
g g.g h h.h

- CE = MAX GRN/GAP DUAL RING DISPLAY COMMAND
- mm = RING A MAX GRN TIMER - DYNAMIC
- nn = RING B MAX GRN TIMER - DYNAMIC
- gg.g = RING A GAP TIMER - DYNAMIC
- hh.h = RING B GAP TIMER - DYNAMIC

TE 260 (5/94)
REVERSE

TAPS - MODEL 179 OPERATING INSTRUCTIONS
KEYBOARD INPUT COMMANDS - SUMMARY

CCF:

```
y y:C F:m m
d d:h h:t t
```

CF = CABINET FLASH DISPLAY COMMAND
yy = YEAR (00-99)
mm = MONTH (01-12)
dd = DAY (01-31)
hh = HOUR (00-23)
tt = MINUTE (00-59)

C00:

```
x x:0 0:z z
      A A A
```

00 = PATTERN NUMBER DISPLAY COMMAND
xx = PATTERN # IN EFFECT
zz = MODE
AAA = CYCLE LENGTH IN EFFECT

C01:

```
O F:0 1:S Y
b b b a a a
```

01 = CYCLE/OFFSET DISPLAY COMMAND
OF = OFFSET
SY = SYSTEM
bbb = LOCAL CYCLE TIMER
aaa = SYSTEM CYCLE TIMER

C02:

```
CY:0 2:z z
b b b a a a
```

02 = VEHICLE PERMISSIVE DISPLAY COMMAND
CY = CYCLE
zz = PERMISSIVE IN EFFECT
bbb = LOCAL CYCLE TIMER
aaa = PERMISSIVE TIMER
call lights = phases not omitted

C03:

```
CY:0 3:z z
b b b a a a
```

03 = PEDESTRIAN PERMISSIVE DISPLAY COMMAND
CY = CYCLE
zz = PEDESTRIAN PERMISSIVE IN EFFECT
bbb = LOCAL CYCLE TIMER
aaa = PERMISSIVE TIMER
call lights = ped phase not omitted

C04:

```
CY:0 4:z z
b b b a a a
```

04 = FORCE OFF DISPLAY COMMAND
CY = CYCLE
zz = FORCE OFF COMING UP
bbb = LOCAL CYCLE TIMER
aaa = TIME TO FORCE OFF
call lights = phases forced off

DISPLAY COMMANDS

F < ALARM LOC. # > :

```
F a a r n n
      x x x
```

F = FAILURE ALARM DISPLAY COMMAND
aa = ALARM LOC NUMBER ENTERED (00-31)
r = RESETS OR OCCURANCES
nn = NUMBER OF RESETS (00-12)
xxx = FAILURE ALARM CODE

FAILURE ALARM CODES

001-032 HIGH OCCUPANCY DETECTOR 01-32
101-132 LOW OCCUPANCY DETECTOR 01-32
201-232 DETECTOR ANALYSIS OVERRIDE DETECTOR 01-32
099 MASTER CLOCK RTCA ERROR-RESET CLOCK
098 EXCLUSIVE PEDESTRIAN PUSH BUTTON ERROR
097 COMMUNICATIONS ERROR
083 MASTER CLOCK DATA ERROR-RESET CLOCK
079 PATTERN CONSISTENCY CHECK ERROR (COORD)
078 LATE RETURN TO ARTERY (COORD)

FATAL ERROR MESSAGES: EEPRO, RA, PRO, GUARD, BORDER, COURT, ACLINE, NEORRF, INIT, EBURN, TRANS

TE 4d(3/91)

5/21/93

STATE OF NEW YORK - DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
TRAFFIC CONTROL SIGNAL SPECIFICATIONS

STUDY:
CONTRACT: D254548
PIN: 8803.88.321
FILE: 39.16-45

121 SIGNAL NO(S). Rockland COUNTY PAGE 1 OF 20 PAGES

INTERSECTION Route 45 & Washington Avenue.

☐ City, ☐ Village, ☒ Town of Ramapo

Department Order filed _____ (Date) as Section 2039.16 Subdivision (u)

Prior specifications hereby superceded: ☐ None ☒ June 24 , 1991

Purpose: Detector Upgrade

These specifications will be effective upon the ☐ installation, ☒ modification of the necessary traffic control device(s) required by and conforming to the State Manual of Uniform Traffic Control Devices.

I. This Signal shall:

A. Operate in accordance with the Table of Operations and/or Change Intervals as shown on page(s) 2 as a:
- ☐ Pretimed signal
- ☒ Semi-traffic actuated signal
- ☐ Full-traffic actuated signal
- ☐ Pedestrian actuated signal
- ☐ Other _____

B.
- ☒ Display vehicular indications
- ☐ Display pedestrian indications
- ☒ Be equipped with vehicle detectors
- ☒ Be equipped with Pedestrian push buttons

as shown in the ☒ schematic, ☐ scaled drawing on page 3.

C. Be equipped with ☐ pre-emption, ☐ interconnection and/or coordination which are described as follows:

FILE SHOP CABINET

FINAL COPY

AUG 04 1994 (Date) M J Mignogna (Signature) RTE (Title)
KRF

cc:
- ☒ Main Office
- ☒ Region 8 Traffic Engineer
- ☒ R. Falk
- ☒ D. Sywyk (3)

Installation Date _____

Modification Date AUG 04 1994

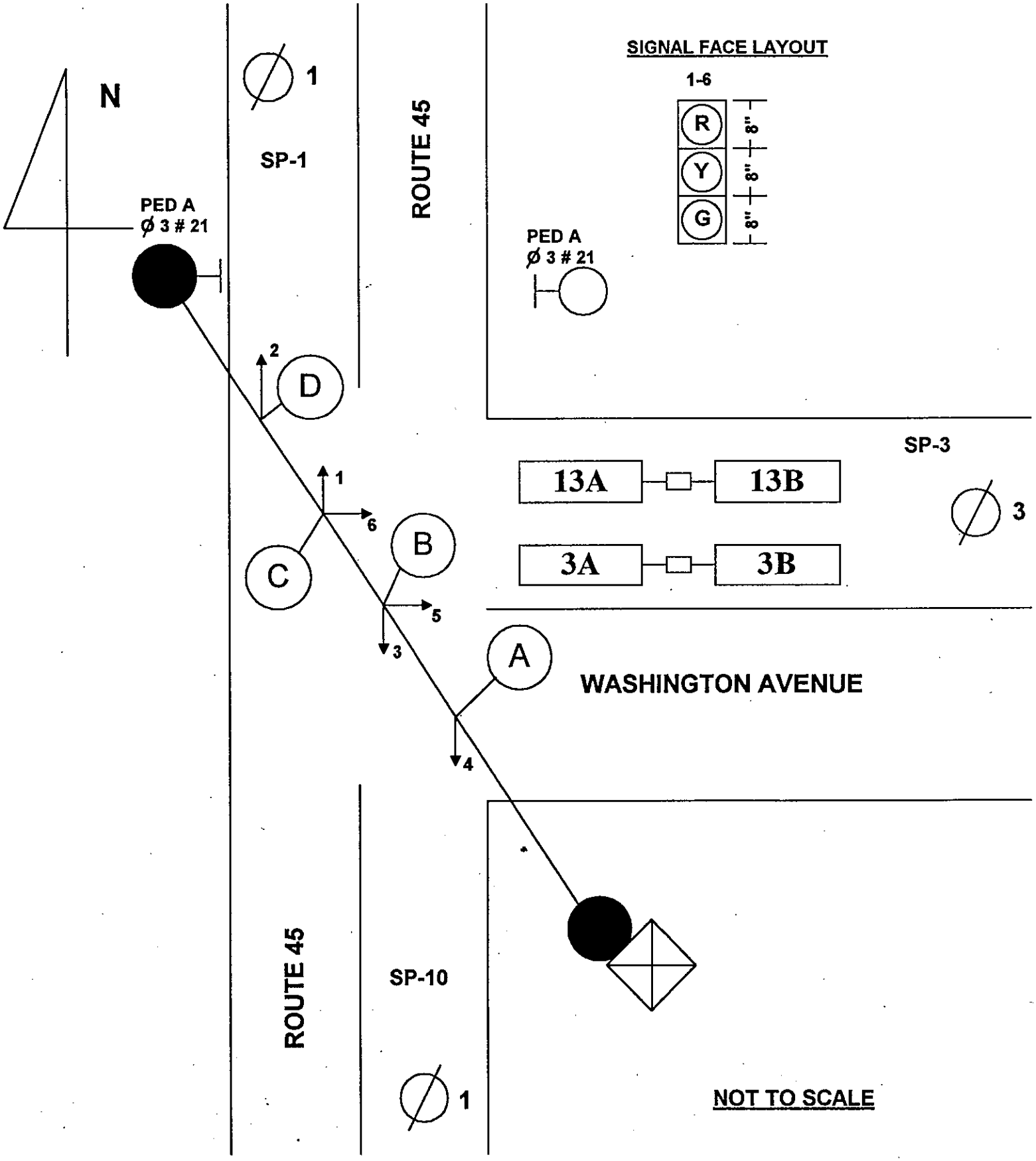
TABLE OF OPERATIONS

PHASE	FACES 1,2,3,4	FACES 5,6
1	Green	Red
Clearance to 3	Yellow Red	Red Red
3	Red	Green
Clearance to 1	Red Red	Yellow Red
FL. OP.	FL. Yellow	FL. Red

STATE OF NEW YORK - DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
TRAFFIC CONTROL SIGNAL SPECIFICATIONS (CONTINUED)

STUDY:
CONTRACT:
PIN:
FILE:

121 SIGNAL NO(S) | ROCKLAND COUNTY | AUG 04 1994 AUG DATE 1994 | PAGE 3 OF 20 PAGES



MODEL 179 MISCELLANEOUS TIMER DISPLAYS
SIGNAL OPERATION SPECIFICATION

TAPS V 1.0
STUDY #
FILE #
PAGE 5 OF 20

SIGNAL # 121 COUNTY # ROCKLAND DATE AUG 04 1994

(NOTE: USE THE D (LOCATION #) COMMAND TO ACCESS THESE DYNAMIC TIMERS.)

DETECTOR DELAY/EXTENSION TIMERS

TIMER DESCRIPTION	LOCATION	TIMER DESCRIPTION	LOCATIO
DELAY TIMERS 1-32	2040-205F	EXTENSION TIMERS 1-32	2060-207F

(To obtain the location for a specific detector delay or extension timer, subtract 100 from the location number where the delay or extension time is set in Locations 2140-217F).

PRE-EMPTION TIMERS

PHASE SELECTION TIMERS

TIME BEFORE PRE-EMPT TIMER	2080	GUARANTEED GREEN TIMER	208A
EXTENSION TIMER	2081		
GUARANTEED GREEN TIMER —	2082		
CALL SELECT GREEN TIMER	2083		

EXCLUSIVE PEDESTRIAN

OFFSET HOLD

EXCL. PED WALK TIMER	208B	@ SAFETY TIMER	208D
EXCL. PED CLEARANCE TIMER	208C	@ EXTENSION TIMER	208E

CABINET FLASH TIME LOG (VIEW COMPOSITE DISPLAY THROUGH SPECIAL COMMAND "CF")

YEAR LAST ACTIVATED	2090	HOUR LAST ACTIVATED	2093
MONTH LAST ACTIVATED	2091	MINUTE LAST ACTIVATED	2094
DAY LAST ACTIVATED	2092		

POWERDOWN COUNTERS (TAPS VERSION 0.2 AND UP)

NUMBER OF SHORT POWERDOWNS	2097	(THESE ARE # OF POWERDOWNS OR # OF
NUMBER OF LONG POWERDOWNS	2098	TIMES THE SYSTEM REPAIRED ITSELF)
NUMBER OF SYS REPAIRS	2099	SINCE 00:00 MIDNIGHT SUNDAY MORNING)

COORDINATION/TIMECLOCK STATUS WORDS:

INDICATOR LIGHT # 9/AUX #1 = T.C. FUNCTION IN EFFECT
INDICATOR LIGHT #10/AUX #2 = COORDINATION IN EFFECT

WEEK PROGRAM IN EFFECT	20C0	PATTERN IN EFFECT	20C2
DAY PROGRAM IN EFFECT	20C1	*T.C. FUNCTION IN EFFECT	20C3

* When this location is displayed the three-digit code for the timeclock function(s) in effect will be displayed and indicator lights will be lit to indicate function as follows:

Function	Code	LED IND #		Function	Code	LED IND #	
Omit A	001	9	AUX 1	Aux. Output (SP9Y)	032	14	AUX 6
Omit B	002	10	2	Input by T.C.	064	15	7
R.I.R.	004	11	3	Spare	128	16	8
Max 2	008	12	4	Flash	255	9-16	1-8
Max 3	016	13	5				

@ NOT IMPLEMENTED

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:47:40
++

TE 261 (11/95) PHASE TIMING DATA/TIMER INTERVALS

INTERVAL	PHASE/ INT. #	F1	F2	F3	F4	F5	F6	F7	F8
MEMORY/RECALL	00	004	000	000	000	000	000	000	000
WALK	01	___	___	007	___	___	___	___	___
PEDESTRIAN CLEARANCE	02	___	___	011	___	___	___	___	___
INITIAL	03	010	___	002	___	___	___	___	___
VARIABLE INITIAL	04	__._	__._	__._	__._	__._	__._	__._	__._
VARIABLE INIT. LIMIT	05	050	050	050	050	050	050	050	050
TIME BEFOR REDUCTION	06	___	___	___	___	___	___	___	___
TIME TO REDUCE	07	___	___	___	___	___	___	___	___
MAXIMUM GAP	08	01.0	00.1	01.0	00.1	00.1	00.1	00.1	00.1
MINIMUM GAP	09	__._	__._	__._	__._	__._	__._	__._	__._
GAP CLOCK	10	USED	WITH	DAA	ONLY	USED	WITH	DBB	ONLY
MAXIMUM GREEN 1	11	050	___	040	___	___	___	___	___
MAXIMUM GREEN 2	12	___	___	___	___	___	___	___	___
MAXIMUM GREEN 3	13	___	___	___	___	___	___	___	___
RECALL GREEN	14	050	___	030	___	___	___	___	___
YELLOW CLEARANCE	15	05.0	__._	05.0	__._	__._	__._	__._	__._
RED CLEARANCE	16	01.0	__._	01.0	__._	__._	__._	__._	__._
THIRD CLEARANCE	17	__._	__._	__._	__._	__._	__._	__._	__._
FOURTH CLEARANCE	18	__._	__._	__._	__._	__._	__._	__._	__._
		F1	F2	F3	F4	F5	F6	F7	F8

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:47:54
++

TE 262-0 (11/95) MISCELLANEOUS PROGRAMMABLE DATA

TIMING/RANGE	FUNCTION	LOC.	TIME
IN SECONDS	STARTUP CLEARANCE TIMER A	2100	002
IN SECONDS	STARTUP CLEARANCE TIMER B	2101	___
IN MINUTES	DETECTOR ANALYSIS TIME	2102	034
000 = GREEN GATING 001 = UNCONDITIONAL	UNCONDITIONAL DELAY/EXTENSION	2103	___
IN SECONDS / 004-012	ALL RED STARTUP TIMER	2104	000
ENABLE = 000 DISABLE = 170	ACLINE FATAL ERROR SWITCH	2110	___
ENABLE = 102 DISABLE = 000	DIAGNOSTIC MESSAGE CIRCULAR BUFFER (USED WITH GUARD)	2111	___
001 - 255	MAXIMUM RANDOM INPUT INTERVAL	2115	___
001 - 040	MAX NO OF PERMITTED DETECTORS	2116	___
ENABLE = 099 DISABLE = 000	RANDOM INPUTS SWITCH WORD	2117	___

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:09
++

TE 262-1 (11/95) MISCELLANEOUS PROGRAMMABLE DATA

DELAY TIMES - (DELAY TIME IN TENTHS OF SECONDS)

DETECTOR # 1	2140	__._	DETECTOR #15	214E	__._
DETECTOR # 2	2141	__._	DETECTOR #16	214F	__._
DETECTOR # 3	2142	05.0	DETECTOR #17	2150	__._
DETECTOR # 4	2143	__._	DETECTOR #18	2151	__._
DETECTOR # 5	2144	__._	DETECTOR #19	2152	__._
DETECTOR # 6	2145	__._	DETECTOR #20	2153	__._
DETECTOR # 7	2146	__._	DETECTOR #21	2154	__._
DETECTOR # 8	2147	__._	DETECTOR #22	2155	__._
DETECTOR # 9	2148	__._	DETECTOR #23	2156	__._
DETECTOR #10	2149	__._	DETECTOR #24	2157	__._
DETECTOR #11	214A	__._	DETECTOR #25	2158	__._
DETECTOR #12	214B	__._	DETECTOR #26	2159	__._
DETECTOR #13	214C	05.0	DETECTOR #27	215A	__._
DETECTOR #14	214D	__._	DETECTOR #28	215B	__._

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:14

++

TE 262-1A (11/95) MISCELLANEOUS PROGRAMMABLE DATA

EXTENSION TIMES - (EXTENSION TIME IN TENTHS OF SECONDS)

DETECTOR # 1	2160	__._	DETECTOR #15	216E	__._
DETECTOR # 2	2161	__._	DETECTOR #16	216F	__._
DETECTOR # 3	2162	__._	DETECTOR #17	2170	__._
DETECTOR # 4	2163	__._	DETECTOR #18	2171	__._
DETECTOR # 5	2164	__._	DETECTOR #19	2172	__._
DETECTOR # 6	2165	__._	DETECTOR #20	2173	__._
DETECTOR # 7	2166	__._	DETECTOR #21	2174	__._
DETECTOR # 8	2167	__._	DETECTOR #22	2175	__._
DETECTOR # 9	2168	__._	DETECTOR #23	2176	__._
DETECTOR #10	2169	__._	DETECTOR #24	2177	__._
DETECTOR #11	216A	__._	DETECTOR #25	2178	__._
DETECTOR #12	216B	__._	DETECTOR #26	2179	__._
DETECTOR #13	216C	__._	DETECTOR #27	217A	__._
DETECTOR #14	216D	__._	DETECTOR #28	217B	__._

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:20
++

TE 262-2 (11/95) MISCELLANEOUS PROGRAMMABLE DATA (CONT.)

PRE-EMPTION - IN SECONDS	PREMPT A		PREMPT B		PREMPT C	
	LOC.	TIME	LOC.	TIME	LOC.	TIME
TIME BEFORE PRE-EMPTION	2180	___	2183	___	2186	___
EXTENSION TIME	2181	___	2184	___	2187	___
GUARANTEED GREEN TIME BEFORE	2182	002	2185	002	2188	002
CALL SELECT GREEN BEFORE					2189	___

	MISCELLANEOUS		
TIMING/RANGE	FUNCTION	LOC.	TIME
IN SECONDS	PHASE SELECTION - GUARANTEED GREEN TIME	218A	002
IN SECONDS	EXCLUSIVE PED. WALK INTERVAL	218B	___
IN SECONDS	EXCLUSIVE PED. CLEARANCE INTERVAL	218C	___
IN SECONDS	@ OFFSET HOLD - SAFETY OVERRIDE	218D	___
IN SECONDS	@ OFFSET HOLD - EXTENSION	218E	050
IN SECONDS	PREEMPT C PED CLR MAX SAFETY TIMER	218F	___

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:26
++

TE 262-3 (11/95) MISCELLANEOUS PROGRAMMABLE DATA

TAPS EDIT PROTECT CODE	21DE	___
NO PROTECT = 000		
TRAFFIC COUNTS = 001		
PATTERN PHASING = 002		
PATTERN TIMING = 004		
TIMECLOCK TABLES = 008		
SIGNAL PROGRAMMABLE FEATURES = 016		
SIGNAL TIMING FEATURES AND FAILURE ALARMS = 032		
EDIT ACCESS CODE - MUST BE CODED IN ORDER TO EDIT ALL OTHER PROG. FEATURES LOCATIONS	21DF	xxx
* * * MAY NOT BE IMPLEMENTED BY DESKTOP * * *		

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:31
++

TE 262-3A (11/95) MASTER TIMECLOCK PROGRAMMABLE DATA

001-012	BEGIN DAYLIGHT SAVINGS TIME MONTH	21EC	004
001-012	END DAYLIGHT SAVINGS TIME MONTH	21ED	010
001=FIRST 002=SECOND 003=THIRD 004=FOURTH 005=LAST OR FIFTH	BEGIN DAYLIGHT SAVINGS TIME WEEK OF MONTH	21EE	001
	END DAYLIGHT SAVINGS TIME WEEK OF MONTH	21EF	005

001 - 012	*MONTH OF YEAR	21F0	xxx
001 - 031	*DAY OF MONTH	21F1	xxx
000 - 099	*YEAR	21F2	xxx
000 - 023	*HOUR OF DAY	21F3	xxx
000 - 059	*MINUTE OF HOUR	21F4	xxx
000 - 059	*SECOND OF MINUTE	21F5	xxx
001 - 007	DAY OF WEEK	21F6	xxx
001 - 053 (READ ONLY)	WEEK OF YEAR	21F7	xxx

*Use "C8" and "C9" commands to display

001 = To portable card 002 = From portable card	TRANSFER MASTER CLOCK	21F8	xxx

* * * 21F0-21F8 NOT IMPLEMENTED. USE CLOCK DOWNLOAD FUNCTION. * * *

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:36

TE 262-F (11/95) FAILURE ALARM DATA

ALARM LOCATIONS			ALARM LOCATIONS			ALARM CODES
ALARM 00	F00	____	ALARM 16	F16	____	
ALARM 01	F01	____	ALARM 17	F17	____	099=RTCA ERROR
ALARM 02	F02	____	ALARM 18	F18	____	098=EXCL. PED
ALARM 03	F03	____	ALARM 19	F19	____	SWITCH ERROR
ALARM 04	F04	____	ALARM 20	F20	____	097=COMM. ERROR
ALARM 05	F05	____	ALARM 21	F21	____	083=TIMECLOCK
ALARM 06	F06	____	ALARM 22	F22	____	ERROR
ALARM 07	F07	____	ALARM 23	F23	____	082=AC LINE
ALARM 08	F08	____	ALARM 24	F24	____	ERROR
ALARM 09	F09	____	ALARM 25	F25	____	079=COORDINATION
ALARM 10	F10	____	ALARM 26	F26	____	CONSISTANCY
ALARM 11	F11	____	ALARM 27	F27	____	ERROR
ALARM 12	F12	____	ALARM 28	F28	____	0xx=HIGH OCC.
ALARM 13	F13	____	ALARM 29	F29	____	1xx=LOW OCC.
ALARM 14	F14	____	ALARM 30	F30	____	2xx=DETECTOR
ALARM 15	F15	____	ALARM 31	F31	____	OVERRIDE

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:51

++

TE 262-4 (11/95)

PROGRAMMABLE FEATURES

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
VEHICLE PHASES PERMITTED	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2200	88
PEDESTRIAN PHASES PERMITTED	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2201	08
	SP	SP	SP	SP	SP	SP	SP	SP		
STARTUP A OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	2202	22
STARTUP A OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	2203	__
STARTUP A OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	2204	__
STARTUP A OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	2205	__
STARTUP A OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	2206	__
STARTUP A OUTPUT	14G	14Y	14R	13G	13Y	13R	-	-	2207	__
STARTUP B OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	2208	__
STARTUP B OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	2209	__
STARTUP B OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	220A	__
STARTUP B OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	220B	__
STARTUP B OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	220C	__
STARTUP B OUTPUT	14G	14Y	14R	13G	13Y	13R	-	-	220D	__
STARTUP PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	220E	80

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:48:58
++

TE 262-4A (11/95) PROGRAMMABLE FEATURES MISCELLANEOUS CONTROL WORDS

MISCELLANEOUS FUNCTIONS	(@ = NOT IMPLEMENTED BY TAPS)	LOC.	CODE
@ MANUAL CONTROL MODIFIER	ADVANCE = 01 HOLD = 02 EXCLUSIVE PED = 04	2210	__
@ REST POINT	BEFORE GAP = 00 AFTER GAP = 01	2211	__
DUAL RING MODIFIER	QUAD LEFT TURN OPERATION = 00 SPECIAL 6 PHASE SEQUENTIAL = 01	2212	__
CLEAR TABLE SELECTOR WORD	SIGNAL OPERATION FEATURES = 01 DAY PROGRAM = 02 YEAR PROGRAMMING TABLES = 04 PATTERN TIMING = 08 PATTERN PHASING = 10 TRAFFIC COUNT = 20 DIAGNOSTIC ERROR DATA = 40	2213	xx

* * * CLEAR TABLES FUNCTION NOT IMPLEMENTED BY DESKTOP. * * *

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:14
++

TE 262-5 (11/95) DETECTOR INPUT WORDS

INPUT NUMBER	LOC.	FUNC CODE	INPUT NUMBER	LOC.	FUNC CODE
INPUT # 1	2214	__	INPUT #16	2223	__
INPUT # 2	2215	__	INPUT #17	2224	__
INPUT # 3	2216	38	INPUT #18	2225	__
INPUT # 4	2217	__	INPUT #19	2226	__
INPUT # 5	2218	__	INPUT #20	2227	__
INPUT # 6	2219	__	INPUT #21	2228	32
INPUT # 7	221A	__	INPUT #22	2229	__
INPUT # 8	221B	__	INPUT #23	222A	__
INPUT # 9	221C	__	INPUT #24	222B	__
INPUT #10	221D	__	INPUT #25	222C	__
INPUT #11	221E	__	INPUT #26	222D	__
INPUT #12	221F	__	INPUT #27	222E	__
INPUT #13	2220	38	INPUT #28	222F	__
INPUT #14	2221	__			
INPUT #15	2222	__			

INPUT FUNC CODES

PED BUTTON	= X2
CALLING DET	= X4
NORMAL DET	= X8
EX PED	= 02
PREEMPT C	= 21
PREEMPT B	= 41
PREEMPT A	= 81
ϕ SLCT OMT A	= B1
ϕ SLCT OMT B	= B2
ϕ SLCT OMT C	= B4
ϕ SLCT OMT D	= B8
CYCLE 1	= C8
CYCLE 2	= C9
CYCLE 3	= CA
SYNC	= CB
OFFSET 1	= CC
OFFSET 2	= CD
OFFSET 3	= CE
FREE	= CF

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:21
++

TE 262-6 (11/95) INPUT CONTROL WORDS (CONT.)

FUNCTION									LOC.	CODE
INPUT JUMPING/SWITCHING NOTE: ANY INPUT FUNCTION CODE CAN BE USED AS A SECONDARY FUNCTION CODE.	SECONDARY FUNCTION - INPUT #1 SECONDARY FUNCTION - INPUT #2 SECONDARY FUNCTION - INPUT #3 SECONDARY FUNCTION - INPUT #4 SECONDARY FUNCTION - INPUT #5 SECONDARY FUNCTION - INPUT #6 SECONDARY FUNCTION - INPUT #7 SECONDARY FUNCTION - INPUT #8								223C 223D 223E 223F 2240 2241 2242 2243	___ ___ ___ ___ ___ ___ ___ ___
INPUT #1 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2244	___
INPUT #2 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2245	___
INPUT #3 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2246	___
INPUT #4 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2247	___
INPUT #5 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2248	___
INPUT #6 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2249	___
INPUT #7 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	224A	___
INPUT #8 - SECOND PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	224B	___
DETECTOR ANALYSIS										
LOW OCCUPANCY OVERRIDE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	224C	___
HIGH OCCUPANCY OVERRIDE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	224D	___
MISCELLANEOUS (@ = NOT IMPLEMENTED)										
@ OFFSET HOLD-PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	224E	___

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:39
++

TE 262-7 (10/96) OUTPUT CONTROL WORDS
COMBINE FUNCTION (X) AND SPECIFIER (Y) TO FORM CODE WORD (XY)

FUNCTION (X)	SPECIFIER (Y)	SWITCH PACK	LOC.	CODE
0 = PHASE	1-8 = PHASE			
1 = PED ***	1 (9) = PEDA 4 (C) = PEDD 2 (A) = PEDB 5 (D) = PEDE 3 (B) = PEDC 6 (E) = PEDF	SP1 SP2 SP3 SP4	2270 2271 2272 2273	01 __ 03 __
2 = OVERLAP	1 = OVLA 4 = OVLD 2 = OVLB 5 = OVLE 3 = OVLC 6 = OVLF	SP5 SP6 SP7 SP8	2274 2275 2276 2277	11 __ __ __
4 = DOUBLE CLR	1 = DCA 2 = DCB 3 = DCC 4 = DCD 5 = DCE 6 = DCF	SP9* SP10	2278 2279	__ 01
6 = DC/OVL	1 = DC/OVLA 2 = DC/OVLB	SP11**	227A	
C = MASTER OUTPUTS (R/Y/G)	0 = UNUSED/OFF2/OFF3 C = CYC1/CYC2/CYC3 F = FREE/SYNC/OFF1	SP12 SP13 SP14	227B 227C 227D	__ __ __

NOTES: * SP9 (YELLOW) Outputs Aux Output by Timeclock
** SP11 (YELLOW) Outputs Blue Light
*** Choose value in () for solid yellow output during DON'T WALK

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:45
++

TE 262-7A (11/95)

OVERLAPS

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
OVERLAP A GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	227E	
OVERLAP B GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	227F	
OVERLAP C GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2280	
OVERLAP D GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2281	
OVERLAP E GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2282	
OVERLAP F GREEN PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2283	
OVERLAP A CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2284	
OVERLAP B CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2285	
OVERLAP C CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2286	
OVERLAP D CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2287	
OVERLAP E CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2288	
OVERLAP F CLEARANCE PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2289	
DC/OVL A DBL. CLEAR PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228A	
DC/OVL B DBL. CLEAR PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228B	
DC/OVL A OVL GREEN PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228C	
DC/OVL B OVL GREEN PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228D	
DC/OVL A CLEARANCE PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228E	
DC/OVL B CLEARANCE PHASES	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	228F	

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:52
++

TE 262-8 (11/95)

OUTPUT CONTROL WORDS

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
PEDESTRIAN										
PEDESTRIAN A PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2290	08
PEDESTRIAN B PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2291	__
PEDESTRIAN C PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2292	__
PEDESTRIAN D PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2293	__
PEDESTRIAN E PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2294	__
PEDESTRIAN F PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2295	__
FLASHING WALK PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2296	__
PEDESTRIAN PHASE REST N WALK	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2297	__
EXTENDED PED CLEARANCE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2298	__
DOUBLE CLEARANCE										
DOUBLE CLEARANCE A PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	2299	__
DOUBLE CLEARANCE B PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	229A	__
DOUBLE CLEARANCE C PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	229B	__
DOUBLE CLEARANCE D PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	229C	__
DOUBLE CLEARANCE E PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	229D	__
DOUBLE CLEARANCE F PHASE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	229E	__

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:49:58
++

TE 262-8A (11/95) OUTPUT CONTROL WORDS (CONT.)

3 COLOR FLASH MODIFIER	NO = 00				YES = 01				229F	
	SP	SP	SP	SP	SP	SP	SP	SP		
3 COLOR FLASH MODIFIER OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	22A0	
3 COLOR FLASH MODIFIER OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	22A1	
3 COLOR FLASH MODIFIER OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	22A2	
3 COLOR FLASH MODIFIER OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	22A3	
3 COLOR FLASH MODIFIER OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	22A4	
3 COLOR FLASH MODIFIER OUTPUT	14G	14Y	14R	13G	13Y	13R	-	-	22A5	
LIGHT REDUCTION										
LIGHT REDUCTION OUTPUT	3G	3Y	3R	2G	2Y	2R	1G	1R	22A6	
LIGHT REDUCTION OUTPUT	6G	6Y	6R	5G	5Y	5R	4G	4R	22A7	
LIGHT REDUCTION OUTPUT	9G	9Y	9R	8G	8Y	8R	7G	7R	22A8	
LIGHT REDUCTION OUTPUT	12G	12Y	12R	11G	11Y	11R	10G	10R	22A9	
LIGHT REDUCTION OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	22AA	
LIGHT REDUCTION OUTPUT	14G	14Y	14R	13G	13Y	13R	-	-	22AB	

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:50:03

TE 262-9 (11/95)

PHASE SELECTION

FUNCTION	PHASE WORD 8	4	2	1	8	4	2	1	LOC.	CODE
PHASE SELECTION - OMIT A	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22AC	
PHASE SELECTION - OMIT B	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22AD	
PHASE SELECTION - OMIT C	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22AE	
PHASE SELECTION - OMIT D	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22AF	
PHASE SELECTION - MODIFIER	OMIT IN ORDER OF CALL = 00 OMIT PRIORITY A-B-C-D = 80								22B0	

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:50:09
++

TE 262-9A (11/95)

PREEMPTION WORDS

PREEMPT MODIFIER	PREEMPT C FLASH = 02 PREEMPT C FLASH = TC FLASH = 82 PREEMPT PRIORITY C-A-B = 20	22B1	___
BLUE LIGHT MODIFIER & SELECTOR - COMBINE BLUE LIGHT OUTPUT (X) AND PREEMPTION SPECIFIER (Y) TO FORM CODE WORD (XY)		22B2	___
BLUE LIGHT OUTPUT (X) FLASH = 0 STEADY = 8	PREEMPTION SPECIFIER (Y) NO BLUE LIGHT = 0 PREEMPT A = 1 PREEMPT B = 2 PREEMPT C = 4		

	PHASE WORD									
FUNCTION	8	4	2	1	8	4	2	1	LOC.	CODE
PREEMPT A PHASE DELETE ϕ	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22B3	___
PREEMPT B PHASE DELETE ϕ	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22B4	___
PREEMPT C PHASE DELETE ϕ	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22B5	___
PREEMPT C CALL SELECT ϕ	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22B6	___
		SP	SP		SP	SP	SP	SP		
PREEMPT C FLASH OUTPUT	-	3Y	3R	-	2Y	2R	-	1R	22B7	___
PREEMPT C FLASH OUTPUT	-	6Y	6R	-	5Y	5R	-	4R	22B8	___
PREEMPT C FLASH OUTPUT	-	9Y	9R	-	8Y	8R	-	7R	22B9	___
PREEMPT C FLASH OUTPUT	-	12Y	12R	-	11Y	11R	-	10R	22BA	___
PREEMPT C FLASH OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	22BB	___
PREEMPT C FLASH OUTPUT	-	14Y	14R	-	13Y	13R	-	-	22BC	___
PREEMPT C PED CLR SW	= 00 USE EXISTING PED CLR = 01 USE PREEMPT C MAX PED CLR SAFETY TIMER (SEE 218F)								22BD	___
PREEMPT C PED CLR TIMER - PHASES TO OVERRIDE	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22BE	___

CCS = 85B Signal # = 121 Rte = 45 Rte Seq # = 220
DATE: 11/22/02 TIME: 00:50:14
++

TE 262-10 (11/95) TIMECLOCK FUNCTIONS

FUNCTION	8	4	2	1	8	4	2	1	LOC.	CODE
		SP	SP		SP	SP	SP	SP		
FLASH OUTPUT	-	3Y	3R	-	2Y	2R	-	1R	22CE	
FLASH OUTPUT	-	6Y	6R	-	5Y	5R	-	4R	22CF	
FLASH OUTPUT	-	9Y	9R	-	8Y	8R	-	7R	22D0	
FLASH OUTPUT	-	12Y	12R	-	11Y	11R	-	10R	22D1	
FLASH OUTPUT	-	-	-	-	7Y	1Y	10Y	4Y	22D2	
FLASH OUTPUT	-	14Y	14R	-	13Y	13R	-	-	22D3	
OMIT A PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22D4	
OMIT B PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22D5	
REST IN RED	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22D6	
MAX GRN II PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22D7	
MAX GRN III PHASE WORD	ϕ 1	ϕ 2	ϕ 5	ϕ 6	ϕ 3	ϕ 4	ϕ 7	ϕ 8	22D8	
INPUT 1-16 BY TIMECLOCK	1	3	5	7	9	11	13	15		
	2	4	6	8	10	12	14	16	22D9	
INPUT 17-28 BY TIMECLOCK	17	19	21	23	25	27				
	18	20	22	24	26	28			22DA	

TE 262-12 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS _____
STUDY # _____
FILE # _____
PAGE 18 OF 20

SIGNAL # 121 COUNTY # ROCKLAND DATE: AUG 04 1994

TABLE OF SWITCH PACKS

SWITCH PACK	FUNCTION	INDICATIONS	FACE	TERMINAL WIRING BOARD		FACE	TERMINAL WIRING BOARD	
				TERMINAL	WIRE COLOR CODE		TERMINAL	WIRE COLOR COD
1	Ø1	RED YELLOW GREEN Ground Wire	1	SP 1 R SP 1 Y SP 1 G Gnd Bus	14/10C-C-R 14/10C-C-O 14/10C-C-G 14/10C-C-W	2	SP 1 R SP 1 Y SP 1 G Gnd Bus	14/5C-D-R 14/5C-D-O 14/5C-D-G 14/5C-D-W
2		Ground Wire		SP 2 R SP 2 Y SP 2 G Gnd Bus			SP 2 R SP 2 Y SP 2 G Gnd Bus	
3	Ø3	RED YELLOW GREEN Ground Wire	5	SP 3 R SP 3 Y SP 3 G Gnd Bus	14/10C-B-R/B 14/10C-B-O/B 14/10C-B-G/B 14/10C-B-W/B	6	SP 3 R SP 3 Y SP 3 G Gnd Bus	14/10C-C-R/B 14/10C-C-O/B 14/10C-C-G/B 14/10C-C-W/B
4		Ground Wire		SP 4 R SP 4 Y SP 4 G Gnd Bus			SP 4 R SP 4 Y SP 4 G Gnd Bus	
5	PED 'A' Ø3	DW — W Ground Wire	21	SP 5 R SP 5 Y SP 5 G Gnd Bus	14/5C-D-R — —G —W		SP 5 R SP 5 Y SP 5 G Gnd Bus	
6		Ground Wire		SP 6 R SP 6 Y SP 6 G Gnd Bus			SP 6 R SP 6 Y SP 6 G Gnd Bus	
7		Ground Wire		SP 7 R SP 7 Y SP 7 G Gnd Bus			SP 7 R SP 7 Y SP 7 G Gnd Bus	
8		Ground Wire		SP 8 R SP 8 Y SP 8 G Gnd Bus			SP 8 R SP 8 Y SP 8 G Gnd Bus	
9		Ground Wire		SP 9 R SP 9 Y SP 9 G Gnd Bus			SP 9 R SP 9 Y SP 9 G Gnd Bus	
10	Ø1	RED YELLOW GREEN Ground Wire	3	SP 10 R SP 10 Y SP 10 G Gnd Bus	14/10C-B-R 14/10C-B-O 14/10C-B-G 14/10C-B-W	4	SP 10 R SP 10 Y SP 10 G Gnd Bus	14/5C-A-R 14/5C-A-O 14/5C-A-G 14/5C-A-W
11		Ground Wire		SP 11 R SP 11 Y SP 11 G Gnd Bus			SP 11 R SP 11 Y SP 11 G Gnd Bus	
12		Ground Wire		SP 12 R SP 12 Y SP 12 G Gnd Bus			SP 12 R SP 12 Y SP 12 G Gnd Bus	
13		Ground Wire		SP 13 R SP 13 Y SP 13 G Gnd Bus			SP 13 R SP 13 Y SP 13 G Gnd Bus	
14		Ground Wire		SP 14 R SP 14 Y SP 14 G Gnd Bus			SP 14 R SP 14 Y SP 14 G Gnd Bus	

TE 262-13 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V 1.0
STUDY #
FILE #

SIGNAL # 121 COUNTY # ROCKLAND DATE AUG 04 1994

CONFLICT/CURRENT MONITOR PROGRAMMING

CONFLICT MONITOR DIODES TO BE CUT			CONFLICT MONITOR YELLOW JUMPERS TO BE INSTALLED	CURRENT MONITOR DIODES TO BE CUT
SP1 - SP10			SP5	2,4,5,6
SP3 - SP5				7,8,9,11,12,13,14

NOTES:

TE 262-14 (7/91)

MODEL 179 SIGNAL OPERATION
PROGRAMMABLE FEATURES
SIGNAL OPERATION SPECIFICATION

TAPS V 1.0
STUDY #
FILE #
PAGE 20 OF 20

SIGNAL # 121 COUNTY # ROCKLAND DATE AUG 04 1994

TABLE OF INPUT WIRING

TERM. NUMBER	FUNCTION	DET. NO.	DET. TYPE	DET. AN OVER	REMARKS
1A, 1B					
2A, 2B					
3A, 3B	Ø3	3A,3B	NORMAL		PRESENCE
4A, 4B					
5A, 5B					
6A, 6B					
7A, 7B					
8A, 8B					
9A, 9B					
10A, 10B					
11A, 11B					
12A, 12B					
13A, 13B	Ø3	13A,13B	NORMAL		PRESENCE
14A, 14B					
15A, 15B					
16A, 16B					
17A, 17B					
18A, 18B					
19A, 19B					
20A, 20B					
21A, 21B	Ø3	21	PED BUTTON		~~NO PED INDICATION~~
22A, 22B					
23A, 23B					
24A, 24B					
25A, 25B					
26A, 26B					
27A, 27B					
28A, 28B					

TE 260 (7/91)

TAPS — MODEL 179 OPERATING INSTRUCTIONS SHEET # 1
KEYBOARD INPUT COMMANDS — SUMMARY

D<LOCATION #>:

d a a a a x x	or	d a a a a t t t	or	d a a a a A t t t

d = DISPLAY LOCATION # COMMAND
aaaa = LOCATION # ENTERED
A = DAY PROGRAM EVENT PART (A-D)
(LOCATIONS E001 - E192 ONLY)
xx = HEX. DATA VALUE (OO-FF)
ttt = DECIMAL DATA VALUE (000-255)

DAA<TIMING INT. #>:

d A A i i F a: t t t

dAA = DISPLAY RING A INTERVAL COMMAND
ii = INTERVAL NUMBER ENTERED (00-31)
F = FAZE
a = RING A PHASE # (1-4) - DYNAMIC
ttt = INTERVAL TIMING - DYNAMIC

DBB<TIMING INT. #>:

d b b j j F b: s s s

dbb = DISPLAY RING B INTERVAL COMMAND
jj = INTERVAL NUMBER ENTERED (00-31)
F = FAZE
b = RING B PHASE # (5-8) - DYNAMIC
sss = INTERVAL TIMING - DYNAMIC

DCC<DETECTOR #>:

d C C l l x x x

dCC = DISPLAY DETECTOR COUNT COMMAND
ll = DETECTOR NUMBER ENTERED (01-40)
xxx = NUMBER OF ACTUATIONS SINCE TERMINATION OF PHASE GREEEN

CC7:

:C 7: mm:d d:y y

C7 = CHIP DATE month/day/year COMMAND
mm = MONTH (01-12)
dd = DAY (01-31)
yy = YEAR (00-99)

CC8:

:C 8: mm:d d:y y

C8 = MASTER CLOCK month/day/year COMMAND
mm = MONTH (01-12)
dd = DAY (01-31)
yy = YEAR (00-99)

CC9:

:C 9: h h:m m:s s

C9 = MASTER CLOCK hour/min/sec COMMAND
hh = HOUR (00-23)
mm = MINUTE (00-59)
ss = SECOND (00-59)

CCA:

F a:C A:z z i i: t t t

CA = RING A DYNAMIC DISPLAY COMMAND
F = FAZE
a = RING A ACTIVE PHASE # (1-4)
ii = RING A ACTIVE PHASE TIMING INTERVAL #
ttt = DYNAMIC INTERVAL TIMING
zz = PHASE TERMINATION MODE - FLASHING
FLASHING DURING CLEARANCE

CCB:

z z:C B:F b j j: s s s

CB = RING B DYNAMIC DISPLAY COMMAND
F = FAZE
b = RING B ACTIVE PHASE # (5-8)
jj = RING B ACTIVE PHASE TIMING INTERVAL #
sss = DYNAMIC INTERVAL TIMING
zz = PHASE TERMINATION MODE - FLASHING

CCC:

F a:C C:F b i i: :j j

CC = DUAL RING DYNAMIC DISPLAY COMMAND
F = FAZE
a = RING A ACTIVE PHASE # (1-4)
b = RING B ACTIVE PHASE # (5-8)
ii = RING A ACTIVE PHASE TIMING INTERVAL #
jj = RING B ACTIVE PHASE TIMING INTERVAL #
(ii and jj replaced by zz during clearance)

CCD:

i i:C D:j j t t t s s s

CD = DUAL RING DYNAMIC DISPLAY COMMAND
ii = RING A ACTIVE PHASE TIMING INTERVAL #
jj = RING B ACTIVE PHASE TIMING INTERVAL #
ttt = RING A DYNAMIC INTERVAL TIMING
sss = RING B DYNAMIC INTERVAL TIMING

CCE:

m m:C E:n n g g.g h h.h

CE = MAX GRN/GAP DUAL RING DISPLAY COMMAND
mm = RING A MAX GRN TIMER — DYNAMIC
nn = RING B MAX GRN TIMER - DYNAMIC
gg.g = RING A GAP TIMER - DYNAMIC
hh.h = RING B GAP TIMER - DYNAMIC

TE 260 (7/91)
REVERSE

TAPS — MODEL 179 OPERATING INSTRUCTIONS SHEET # 2
KEYBOARD INPUT COMMANDS — SUMMARY

GGF:

```
y y:C F:m m
d d:h h:t t
```

CF = CABINET FLASH DISPLAY COMMAND
yy = YEAR (00-99)
mm = MONTH (01-12)
dd = DAY (01-31)
hh = HOUR (00-23)
tt = MINUTE (00-59)

C00:

```
x x:0 0:z z
      A A A
```

00 = PATTERN NUMBER DISPLAY COMMAND
xx = PATTERN # IN EFFECT
zz = MODE
AAA = CYCLE LENGTH IN EFFECT

C01:

```
O F:0 1:S Y
b b b a a a
```

01 = CYCLE/OFFSET DISPLAY COMMAND
OF = OFFSET
SY = SYSTEM
bbb = LOCAL CYCLE TIMER
aaa = SYSTEM CYCLE TIMER

C02:

```
CY:0 2:z z
b b b a a a
```

02 = VEHICLE PERMISSIVE DISPLAY COMMAND
CY = CYCLE
zz = PERMISSIVE IN EFFECT
bbb = LOCAL CYCLE TIMER
aaa = PERMISSIVE TIMER
call lights = phases not omitted

C03:

```
CY:0 3:z z
b b b a a a
```

03 = PEDESTRIAN PERMISSIVE DISPLAY COMMAND
CY = CYCLE
zz = PEDESTRIAN PERMISSIVE IN EFFECT
bbb = LOCAL CYCLE TIMER
aaa = PERMISSIVE TIMER
call lights = ped phase not omitted

C04:

```
CY:0 4:z z
b b b a a a
```

04 = FORCE OFF DISPLAY COMMAND
CY = CYCLE
zz = FORCE OFF COMING UP
bbb = LOCAL CYCLE TIMER
aaa = TIME TO FORCE OFF
call lights = phases forced off

DISPLAY COMMANDS

F<ALARM LOC #>:

```
F a a r n n
    . x x x
```

F = FAILURE ALARM DISPLAY COMMAND
aa = ALARM LOC NUMBER ENTERED (00-31)
r = RESETS OR OCCURANCES
nn = NUMBER OF RESETS (00-12)
xxx = FAILURE ALARM CODE

FAILURE ALARM CODES

001-032 HIGH OCCUPANCY DETECTOR 01-32
101-132 LOW OCCUPANCY DETECTOR 01-32
201-232 DETECTOR ANALYSIS OVERRIDE DETECTOR 01-32
099 MASTER CLOCK RTCA ERROR-RESET CLOCK
098 EXCLUSIVE PEDESTRIAN PUSH BUTTON ERROR
097 COMMUNICATIONS ERROR
089 MODEL 602 MODEM SETUP ERROR
088 MODEL 602 MODEM SETUP ERROR
084 RTCA ERROR
083 MASTER CLOCK DATA ERROR-RESET CLOCK
082 MAIN A.C. SERVICE ERROR-CHECK SERVICE
079 PATTERN CONSISTENCY CHECK ERROR (COORD)
078 LATE RETURN TO ARTERY (COORD).

FATAL ERROR MESSAGES: EEPRO, RA, PRO, GUARD, BORDER, COURT, AC LINE, NEORRF

D254548

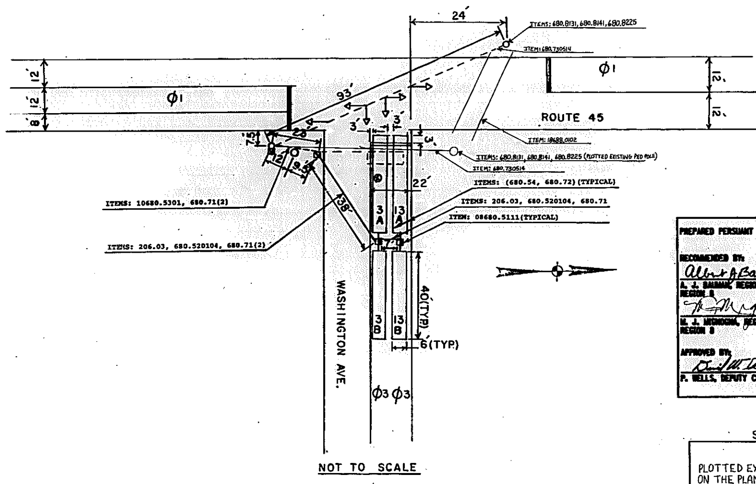
FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		6F-38	5

ROUTE 45 AT WASHINGTON AVE.
TOWN OF RAMAPO
ROCKLAND COUNTY

ITEM	DESCRIPTION	UNIT	QUANTITY
206.03	CONDUIT EXCAVATION & BACKFILL	L.F	45
08680.5111	CAST ALUMINUM JUNCTION BOX	EA.	2
680.520104	CONDUIT, METAL, STEEL, ZINC COATED, 1 1/4" DIA.	L.F	45
10680.5301	CLEAN EXISTING CONDUIT	L.F	25
680.54	INDUCTANCE LOOP INSTALLATION	L.F	100
680.71	SHIELDED LEAD-IN CABLE	L.F	170
680.72	INDUCTANCE LOOP WIRE	L.F	1200
680.730514	TRAFFIC SIGNAL CABLE, 5 COND. - 14 AWG	LF	340
680.8131	PEDESTRIAN SIGNAL SECTION - 4½" LETTERS	EA	2
680.8141	PEDESTRIAN SIGNAL BRACKET MOUNT ASSEMBLY	EA	2
680.8225	PEDESTRIAN PUSHBUTTON AND SIGN WITHOUT POST	EA	2

TABLE OF VEHICLE DETECTORS

LOOP NO.	TYPE	SIZE	NO. OF TURNS
3A, 3B, 13A, 13B	PRESENCE	6'X 40'	3



PREPARED PERSUANT TO HIGHWAY LAW

RECOMMENDED BY: *Albert J Bauman* DATE 10-13-93
A. J. BAUMAN, REGIONAL DIRECTOR
REGION 8

M. J. Mignogna DATE 10/8/93
M. J. MIGNOGNA, REGIONAL TRAF. ENGR.
REGION 8

APPROVED BY: *David W. [illegible] for:* DATE 3/2/94
P. WELLS, DEPUTY CHIEF ENGR.

SIGNAL NO. R-121

AS – BUILT REVISIONS

PLOTTED EXISTING 20 FT. PED POLE NOT SHOWN ON THE PLANS AT THE NE QUADRANT. INSTALLED PED HEADS AND BUTTON ON THIS POLE AND ON NW TRAFFIC SIGNAL POLE. INSTALLED CROSS WALK ACROSS NORTH RTE. 45

Michael Cotter SIGNATURE 1/18/95 DATE

TRAFFIC SIGNAL REQUIREMENTS CONTRACT
VARIOUS COUNTIES (92/93)

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

DRAWING NO.	SCALE	DATE	REGION
TSP 6F-38	NONE	8/93	8

8803.88.321