

BANGOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



BUREAU OF HIGHWAYS

BANGOR

PENOBSCOT COUNTY

MAINE FEDERAL AID PROJECT
NO. U-038-1(12)

TRAFFIC SIGNALS

INDEX OF SHEETS

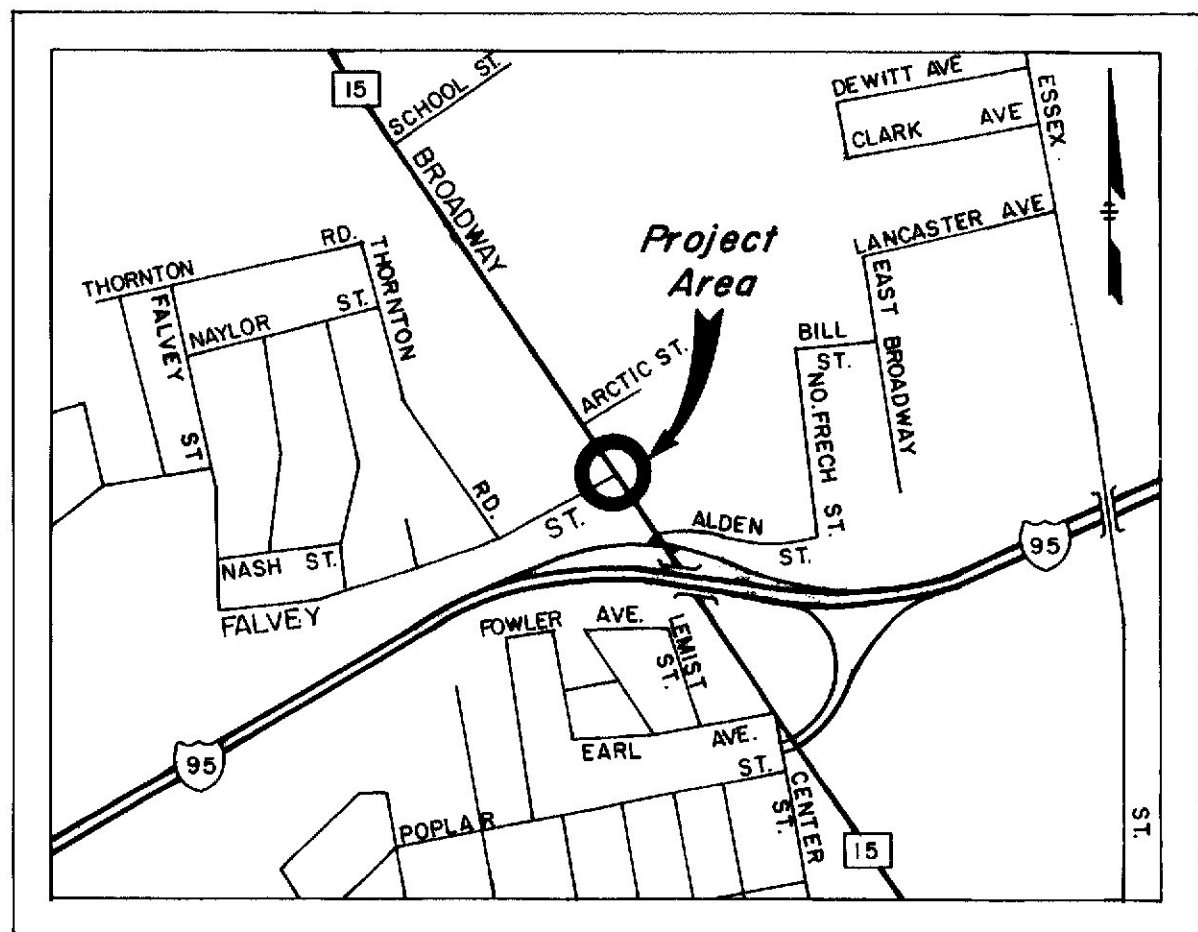
SHEET NO.	1	TITLE SHEET
SHEET NO.	2	PLAN - BROADWAY and FALVEY ST.
SHEET NO.	3	STANDARD DETAILS

CONVENTIONAL SIGNS

COUNTY LINES	---	TRAVELLED WAY - PROPOSED	=====
TOWN LINES	----	UNDERGROUND UTILITIES - EXISTING	----
PROPERTY LINES	-----	UNDERGROUND UTILITIES - PROPOSED	-----
R/W LINES - EXISTING	=====	RAILROAD - SINGLE TRACK	=====
R/W LINES - NEW - ACCESS CONTROL	=====	RAILROAD - DOUBLE TRACK	=====
R/W LINES - NEW - NO ACCESS CONTROL	=====	UTILITY POLE - EXISTING	+
CULVERT - EXISTING	=====	UTILITY POLE - JOINT OCCUPANCY	+
CULVERT - PROPOSED	=====	PROPOSED UTILITY POLE - TEMPORARY	X
CURBING - EXISTING	=====	PROPOSED UTILITY POLE - PERMANENT	+
CURBING - PROPOSED	=====	TREES	+
TRAVELLED WAY - EXISTING	=====	WOODS	=====

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
643.10	SIGNAL LIGHT BASE TYPE 'A'	1	EA.
659.10	MOBILIZATION	NEC.	LS
ALTERNATE 1			
643.811	TRAFFIC SIGNALS AT BROADWAY AND FALVEY ST. (WITH LOCAL CONTROLLER)	NEC.	LS
ALTERNATE 2			
643.821	TRAFFIC SIGNALS AT BROADWAY AND FALVEY ST. (WITH MASTER-LOCAL CONTROLLER)	NEC.	LS
643.84	INTERCONNECT WIRE BETWEEN FALVEY ST. AND SHOPPING CENTER	NEC.	LS



A PORTION OF PENOBSCOT COUNTY

SCALE 0 500 1000 1500 2000 2500 FEET

FALVEY ST.

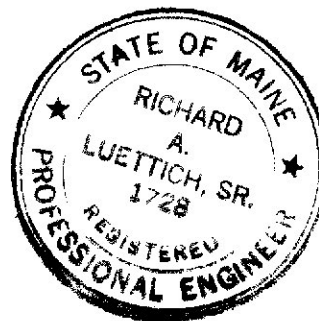
LAYOUT PLAN

SCALE 0 40 80 FEET

NOTE
ALL WORK UNDER THIS CONTRACT SHALL BE GOVERNED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS, REVISION OF JUNE, 1968, AND SUPPLEMENTALS THERETO, EXCEPT AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS.

TRAFFIC DATA
on BROADWAY

A.D.T.	1973	12830
A.D.T.	1993	20300
D.H.V.		1827
T. (%)		4
D. (%)		55
V.		30



APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
Richard A. Luettich, Sr. COMMISSIONER
Richard A. Luettich, Sr. BUREAU DIRECTOR
CHIEF ENGINEER

DATE

Oct. 21, 1975

Oct. 21, 1975

REVISED "AS BUILT" 1976

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

APPROVED:

DIVISION ENGINEER

DATE

GENERAL NOTES

ALL WORK UNDER THIS CONTRACT SHALL CONFORM TO APPLICABLE PROVISIONS OF THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS', U. S. DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, 1971.

THE CONTRACTOR MUST MEET ALL REQUIREMENTS OF UTILITY COMPANIES WHEN INSTALLING EQUIPMENT ON THEIR POLES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES TO DETERMINE SPECIFIC REQUIREMENTS.

LOCATIONS OF POLES, SIGNAL HEADS AND LOOP DETECTOR SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LEGEND

- CONTROLLER
- VEHICULAR HEAD
- FEED WIRE
- INTERCONNECT CABLE
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTAL POLE
- CONDUIT
- LOOP DETECTOR
- NEW WOOD POLE
- EXISTING WOOD POLE
- EXISTING POLE GUY
- NEW POLE GUY
- AERIAL DETECTOR LEAD-IN.

ALTERNATE '2' ONLY.
INSTALLED INTERCONNECT CABLE TO CONTROLLER AT BROADWAY AND SHOPPING CENTER ENTRANCE APPROXIMATELY 700 FEET.
INSTALLED COORDINATING UNIT IN CONTROLLER AT SHOPPING CENTER

INSTALLED LOOP DETECTOR AND LEAD-IN.

INSTALLED 30' CLASS IV WOOD POLE, SLANT GUY, CONTROLLER AND CABINET, PEDESTRIAN HEAD AND PUSH BUTTON.

Falvey St.

INSTALLED LOOP DETECTOR AND LEAD-IN.

POWER SOURCE, INSTALLED SLANT GUY, PEDESTRIAN HEADS AND PUSH BUTTON ON EXISTING POLE.

INSTALLED SPAN WIRE AND VEHICULAR HEADS AS SHOWN ON EXISTING POLES.

INSTALLED VEHICULAR HEAD ON POLE

MR. DONUT SIGN

INSTALLED 2" CONDUIT AND POLE RISER REPAVE SIDEWALK WITH 2" PAVEMENT.

MR. DONUT

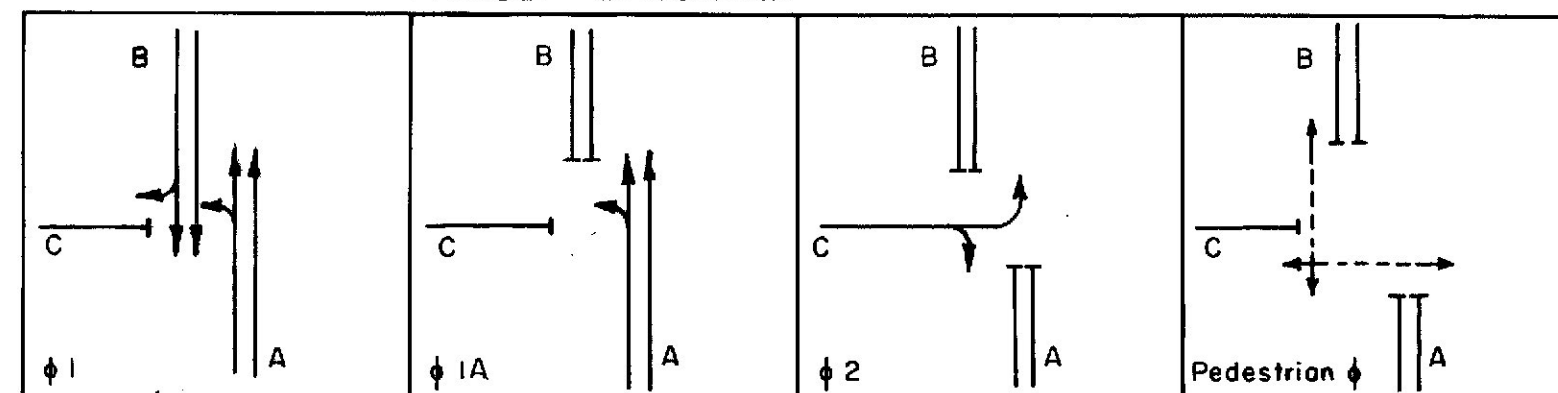
INSTALLED CONCRETE FOUNDATION TYPE 'A', PEDESTAL POLE, PEDESTRIAN HEAD AND PUSH BUTTON

MR. DONUT PARKING

INSTALLED PRESENCE LEFT TURN LOOP DETECTOR AND LEAD-IN.

INSTALLED LOOP DETECTOR AND LEAD-IN.

PHASE DIAGRAM



NOTE - PHASE 1A SHALL BE OMITTED WHEN IT HAS NOT BEEN CALLED.

SEQUENCE

Head	Phase 1 to 1A	2 to P	2 to 1	1A to Ped.	Flash
A1,2	G	G	Y	R	Y
B1,2	G	Y	R	R	Y
C1,2	R	R	R	G	R
P1-4	DW	DW	DW	DW	Off

INDICATIONS

A1,2	B1,2	C1,2
R	R	R
Y	Y	Y
G	G	G

ALL INDICATIONS SHALL BE 12" PEDESTRIAN HEADS SHALL BE 9."

REVISED "AS BUILT" 1976

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS

BROADWAY and FALVEY ST.

BANGOR

SCALE 0 20 40 FEET

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	DATE
DESIGN - DETAILED	
CHECKED	
REVISIONS	
FIELD CHANGES	

PLANS