1st CG District	o-56-13 REVISED	238, 314, 1204	JAN 9

1. GENERAL LOCATION

Kennebec River, Gulf of Maine, Maine

2. SUMMARY OF ACTION PROPOSED

a. Convert PERKINS ISLAND LIGHT STATION to unattended, automatic operation. Electrify the main light by use of air cell batteries and a 12 volt 2.03 ampere bulb in

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3. JUSTIFICATION

a. This project supersedes District Project No. o-56-13 dated 19 September 1955, as amended by Commandant (OAN) letter 26 March 1957 (GO2/1).

b. The original project proposed the installation of commercial electric service to Perkins Island, with automatic control of the main light and radio remote control of the fog signal from Kennebec River Lifeboat Station.

c. This project has been reviewed, and it is considered that satisfactory operational results can be obtained by using a flashing characteristic in the light and a continuous sounding fog bell. This method of operation would reduce the cost of the project from a previous estimated $32,600.00 to approximately $4,741.00.

d. Commandant (ECV-1) letter 12 December 1957, Serial 4039, suggested a characteristic of 4 seconds (0.4 second flash) for this light. This characteristic is not considered satisfactory, as the channel is narrow at this point and strong currents

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4. ESTIMATED COST		5. SCHEDULE FOR OBLIGATING A. C. & I. FUNDS		7. ALLOWANCE CHANGES
MATERIEL $ 2,816.00	TRAVEL & INSPECTION $ 420.00	TOTAL REQUIRED $ -		PERSONNEL [X] YES [ ] NO; OPFAC [X] YES [ ]
CONTRACT $ -	CONTINGENCIES $ -	1ST QUARTER $	3RD QUARTER $	BOATS [X] YES [ ] NO; VEHICLES [ ] YES [X]
BASE & DEPOT LABOR $ 700.00	$ -	2ND QUARTER $	4TH QUARTER $	A - N EQ'P'T [X] YES [ ] NO
INDUSTRIAL OVERHEAD $ 805.00	TOTAL ESTIMATED COST $ 4,741.00	6. ANNUAL MAINTENANCE $ 450.00	[ ] NO CHANGE [ ] INCREASE	[X] DECREASE

8 NOTICE TO MARINERS. LIGHT LIST AND CHARTING DATA - OPERATING FEATURES

LL 1957 No. 184 Perkins Island Light

Column 2 Delete F. R., 2 W. sectors Resident Personnel

Column 2 Insert Fl.R., 2 W. sectors

2.5^{s} fl (0.5^{s} fl)

Column 5 Delete R. 150 W. 500

Column 5 Insert R. 200 W. 900

F/S changed to HORN, Diaphragm; 1 blast ev (3^{s} bl).

9. RECOMMENDED BY (Unit and Signature)

10. FORWARDED (Signature)

R. J. BORROME
Acting

11. (LEAVE ORIGINAL BLANK)		
RECEIVED	1/20/58	
CHARTED	238	
ACTION		
LOCAL	4/6/59	
WEEKLY	2/4/59	
Mailed	2/14/58	

Commandant (OAN)
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H2/G02

2. Summary of Action Proposed. (Continued)

existing fifth order lens to provide a characteristic of Flashing Red every 2.5 seconds (0.5 second flash) of 210 candlepower peak, ~~165~~ EFI, and a Flashing White light in the present white sectors of 950 candlepower peak, ~~760~~ 800 EFI. The light is to be controlled by a sun relay. /7.

b. Replace the existing fog signal mechanism with a 12 volt AGA automatic battery operated bell striker, to provide continuous operation and sounding the present advertised signal. Use the existing bell for this installation.

3. Justification. (Continued)

exist. Therefore, it is advisable to increase the frequency of the light flash in order to provide better service to the mariner.

e. Until the new 12 volt electric bell striker is available for use, it is proposed to use a CO_2 bell striker as an interim installation sounding a characteristic of one stroke every 10 seconds.