REQUEST FOR WORK AUTHORIZATION

1. Name of unit or aid: Doubling Point Range, Front & Rear; Doubling Point Light and Fiddlers Reach Fog Signal

2. Location: Kennebec River, Maine

3. Outline of work and necessity: Electrify stations with commercial power; change range lights and fog signals

4. Estimated total cost, $1005.00 Time: 4 months

5. Appropriation title and symbol; subhead:

Funds available, $ 50.00 Funds requested, $ ~~2767.00~~ plus material furnished by Headquarters

6. Estimated annual maintenance cost, $

7. Work to be performed by—contract ____; hired labor ____; base force ____x____

ships' force ____; Coast Guard Depot ____; Navy Yard ____

8. Description (brief specification of items and estimated cost of each, specification to be attached):

At present the Keeper of Doubling Point Light has charge of the following aids:

(a) Doubling Point Range Front & Rear Lights
(b) Doubling Point Light & Fog Signal
(c) Fiddlers Reach Fog Signal

The present light apparatus at Doubling Point Range Lights consists of a 23 watt, 120 volt C-5 filament A-19 clear medium ~~screw base lamp installed in a Crouse-Hinds~~ (Fresnel) parabolic reflector, type ~~MB-20~~, catalogue ~~#4211~~, ~~installed on 23' wooden pyramidal~~

noted on chart 230 ② 5/2/47 RM

ENDORSEMENT

(ECV-5) CG-220
File No. **~~(CAE)~~ CG-626**

From: COMMANDANT. fw 5/13/47 ~~12 May~~, 19~~47~~

To: **Commander, 1st CG District**

1. ~~Authorized except as noted below.~~ This authorization does not make the unit available. ~~Funds will be allotted in a separate communication.~~

2. ~~The contracting officer will be the~~ **Commander, 1st CG District**

3. ~~Exceptions:~~ Returned without action.

The improvements proposed should be accomplished as part of a modernization program for which urgent accomplishment is not indicated.

~~[illegible]~~

16—62969-1

DWIGHT A. CHASE
By direction.

DOUBLING POINT RANGE LT/STA

towers. Electric power is furnished from two (2) RVI Kohler 2KW, 116 volt DC engine generators and a 54 cell bank of batteries. The generators and battery are installed in the brick oil house.

The present equipment at Doubling Point Light consists of 5th order, 4 panel fixed lens with one panel replaced by a circular reflector. The light source is an acetylene flasher operated on a 0.4 seconds light, 3.6 seconds dark characteristic and is advertised at 500 candlepower. [illegible] operated by a 20 meter [illegible] bell striker.

Biddeford Ranch Fog Signal is bell operated by a hand wound mechanical weight operated bell striker. The fog signal house is a small gambrel shingle covered frame structure, the design of which was motivated originally by two considerations: (a) the need for height to provide for the weight wall and (b) need for housing the equipment. This tower is not required as a daymark and will be removed if this Form 360 is approved.

Doubling Point Range is without commercial electric power [illegible] Central Maine Power Company will extend the power lines to the oil house at Doubling Point Range Light for a minimum charge of not less than $7.50 per month.

The Commander, 1st Coast Guard District recommends that the above structure be discontinued as follows:

(a) Extend the commercial electric lines to the [illegible] oil house housing the DC batteries and battery
(b) Remove three D-3 Kohler engine [illegible] and furnish one set 32 volt, 1500 watt, 60 cycle Kohler engine generator for standby power and one [illegible] with [illegible] panel.
(c) [illegible] overhead power line [illegible]
(d) [illegible] and the rear light shall be equipped with an 8 [illegible] and the rear will have a [illegible]. A ten (10) volt, 25 watt (240 [illegible] candle [illegible] bracket carrying [illegible]

DOUBLING POINT RANGE LT/STA