



PUBLIC NOTICE

US Army Corps
of Engineers
Rock Island District

Applicant: Cargill, Inc.
CEMVR-OD-P-2015-1511

Date: May 26, 2020
Expires: June 9, 2020
Section: 10/404

**Joint Public Notice
US Army Corps of Engineers
Iowa Department of Natural Resources**

1. Applicant: Cargill, Incorporated, 700 Oregon Street, Muscatine, Iowa 52761.

Agent: Smith LaSalle, Inc., Consulting Engineers, c/o Isaiah Pearson, 10102 Pacific Avenue, Franklin Park, Illinois 60131.

2. Project Location. Mississippi River, Section 2, Township 76 North, Range 2 West
Muscatine County, Iowa; UTM NAD-83 Zone 15
Northing 4585952.8673 Easting 662145.5663

3. Project Description.

a. Previous Project proposal (Feb2016) involved conducting soil borings, demolish existing barge loadout conveyer, tower, spout, upper and lower bridges, existing barge loadout cell and two sets of wooden pilings. Install two sets of steel pilings, install 25-foot diameter marine cell in place of old marine cell, install three concrete piers to support new barge loadout bridge, install new barge loadout conveyer, tower, spout and upper and lower bridges.

b. Current Amended proposal (May2020)

- Install two new work barges, including four new barge capture dolphins and three new breasting dolphins. Remove, refurbish and reinstall the barge loading spout. Remove the existing breasting piles as previously planned. No longer planning to re-wrap the existing cell and they have abandoned the land side of previous project, which included a new steel tower, conveyer and support bridge.
- Remove approximately 1,200 cubic yards of silt that has accumulated in a 450-foot long by 50-foot to 150-foot long area at work barge loading location to allow normal flotation when the river is at low water loading stage (+0.0'). Material would be removed by clam shell, placed in a material barge, off-loaded onto trucks and transported to an approved disposal site. In addition, perform maintenance dredging on an as-needed basis for a 10-year period to assure sufficient water depths for normal grain loading operations.

Drawings No. CEMVR-OD-P-2015-1511:
Sheet 1 of 3, Location Map
Sheet 2 of 3, Detail, Dredging Limit
Sheet 3 of 3, Plan Details

4. Agency Review and Where to Reply.

a. Department of the Army, Corps of Engineers. The Department of the Army application is being processed under the provisions of Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

b. State of Iowa. The project plans have been submitted to the Iowa Department of Natural Resources for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification, if issued, will express the Department's opinion that the proposed activity will comply with Iowa's water quality standards (Chapter 61 IAC). Written comments concerning possible impacts to waters of Iowa should be addressed to: Iowa Department of Natural Resources, 502 East 9th Street, Des Moines, Iowa 50319-0034. A copy of the comments should be provided to the Corps of Engineers office (see paragraph 11. of this public notice for address).

5. Historical/Archaeological. The District consulted with the Iowa I-Sites online geographic information systems archeological site and survey databases and determined the project area has been previously surveyed (R&C# 19740070000). No cultural resources were identified in the previous survey. In addition, the HILD database and Culture Map maintained by staff at the Office of the State Archaeologist were reviewed with negative results. The report “*An Investigation of Submerged Historic Properties in the Upper Mississippi River and Illinois Waterway*” (October 1997) prepared by American Resources Group, Ltd. for the Corps (Contract No. DACW25-93-D-0012, Delivery Order No. 37) was also reviewed with negative results. Based on the review of these resources it is the opinion of the District there will be **no historic properties affected** because “the nature, scope, and magnitude of the work, and/or structures to be permitted are such that there is little likelihood that a historic property exists or may be affected” (33 CFR Part 325, Appendix C.3.b).

6. Endangered Species. District staff has performed a preliminary review of this application for the potential impact on threatened or endangered species pursuant to Section 7 of the Endangered Species Act as amended. The following threatened or endangered species are listed by the United States Fish and Wildlife Service (FWS) as occurring in Muscatine County, Iowa:

- The Western prairie fringed orchid (*Platanthera praeclara*) and the Prairie bush clover (*Lespedeza leptostachya*) are federally listed threatened species. The orchid occupies wet prairies and sedge meadows. The clover occupies dry to mesic prairies with gravelly soil. The project site is not suitable for the western prairie fringed orchid or the prairie bush clover.
- The northern long-eared bat (*Myotis septentrionalis*) is proposed and Indiana bat (*Myotis sodalists*) is list by the U.S. Fish and Wildlife Service (FWS) as an endangered species. These species hibernates in caves and mines – swarming in surrounding wooded areas in autumn; and roosts and forages in upland forests during late spring and summer. The site includes no bat habitat.
- The Higgins eye pearl mussel (*Lampsilis higginsii*), Sheepsnose mussel (*Plethobasus cyphus*) and Spectaclecase mussel (*Cumberlandia monodonta*) are all listed list by the U.S. Fish and Wildlife Service (FWS) as endangered species.

Formal consultation has been re-initiated with the FWS. Accordingly, our preliminary determination is subject to change should further information become available. Applicant had mussel survey completed in October 2017.

7. Dredge/Fill Material Guidelines. The evaluation of the impact of the proposed activity on the public interest will also include application of the guidelines promulgated by the Administrator of the United States Environmental Protection Agency under authority of Section 404(b) of the Clean Water Act (40 CFR Part 230).

8. Public Interest Review. The decision whether to issue the Corps permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

9. Who Should Reply. The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. These statements should be submitted on or before the expiration date specified at the top of page 1. These statements should bear upon the adequacy of plans and suitability of locations and should, if appropriate, suggest any changes considered desirable.

10. Public Hearing Requests. Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided.

11. Reply to the Corps. Comments concerning the Corps permit should be addressed to the US Army Corps of Engineers, Rock Island District, ATTN: OD-P (Hardy), Clock Tower Building - Post Office Box 2004, Rock Island, Illinois 61204-2004. Mrs. Donna Hardy may be contacted for additional information at (309) 794-5378 or email at donna.r.hardy@usace.army.mil.



Attach
Plan

Mrs. Donna R. Hardy
Senior Project Manager, Iowa Section
Regulatory Branch

REQUEST TO POSTMASTERS: Please post this notice conspicuously and continuously until the expiration date specified at the top of page 1.

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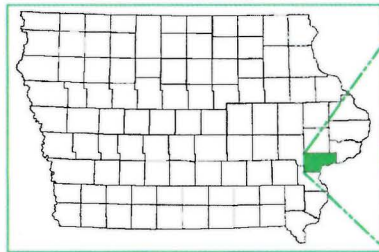
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	PRELIMINARY - ISSUED FOR REVIEW	-	P.SMITH

Cargill[®]

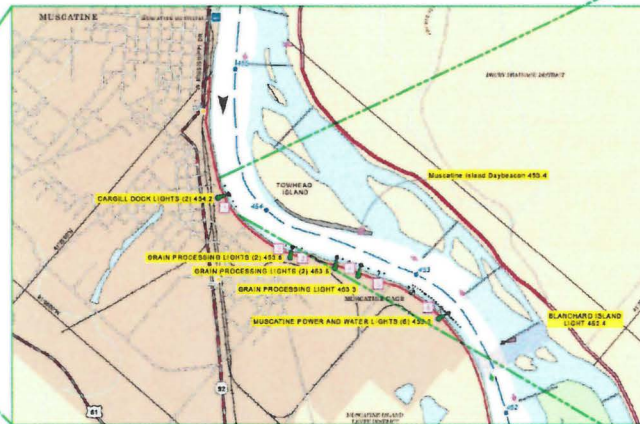
SMITH LASALLE[®]

CARGILL AG HORIZONS
700 OREGON ST.
MUSCATINE, MUSCATINE COUNTY, IOWA 52761

2020 BARGE HANDLING SYSTEM RENOVATIONS



STATE LOCATION MAP
NOT TO SCALE



MUNICIPAL LOCATION MAP
NOT TO SCALE



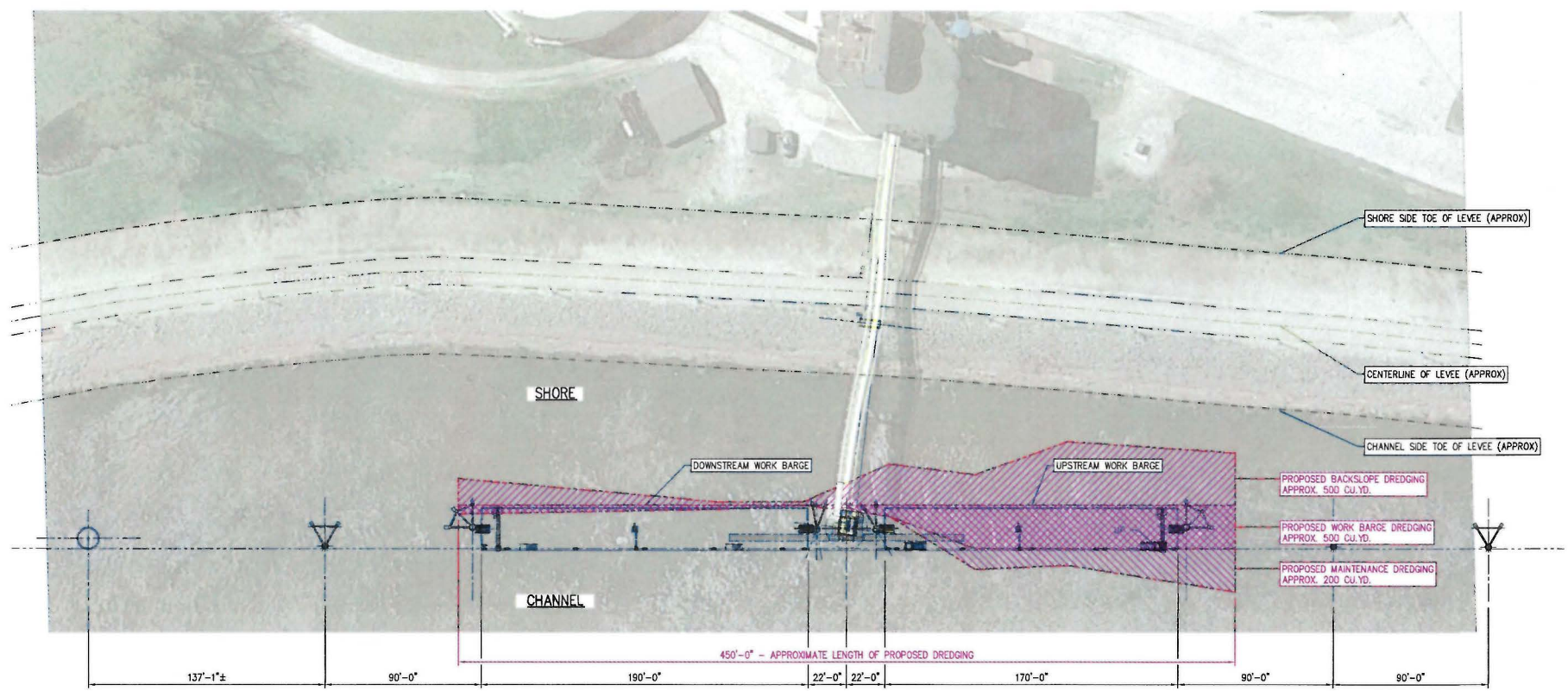
AERIAL MAP
NOT TO SCALE



PRELIMINARY NOT FOR CONSTRUCTION	PROJECT NO.	251.17	SMITH LASALLE[®] CONSULTING ENGINEERS - FRANKLIN PARK, ILLINOIS	
	APPROVALS	DATE	CARGILL AG HORIZONS - MUSCATINE MUSCATINE, IOWA - MISSISSIPPI RIVER BARGE HANDLING SYSTEM RENOVATION PROJECT LOCATION PLANS	
	OWNER	P.GOLDSBY 15 MAY 20		
	DRAWN	P.GOLDSBY 15 MAY 20	DRAWING SCALE: AS NOTED IF SHEET SIZE IS OTHER THAN 11X17" IT IS A PLANSHEET SHEET SCALE	
	CHECKED	B.PECHO -		
APPROVED	-	DWG. NO.	T1	REV. C

PROJECT #CEMVR-OD-P
2015-1511
LOCATION MAP
Page 1 of 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	PRELIMINARY - ISSUED FOR REVIEW	-	P.SMITH



DREDGING LIMIT PLAN D2-A
SCALE: 1"=60'

NOTE: APPROXIMATE DREDGING LIMITS SHOWN ARE BASED ON 25' WIDE WORK BARGES WITH 2' DRAFT AND 1' WATER BELOW THE BOTTOM OF THE HULL AT LOW WATER LOADING (STAGE +0.0').

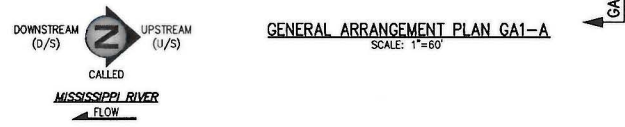
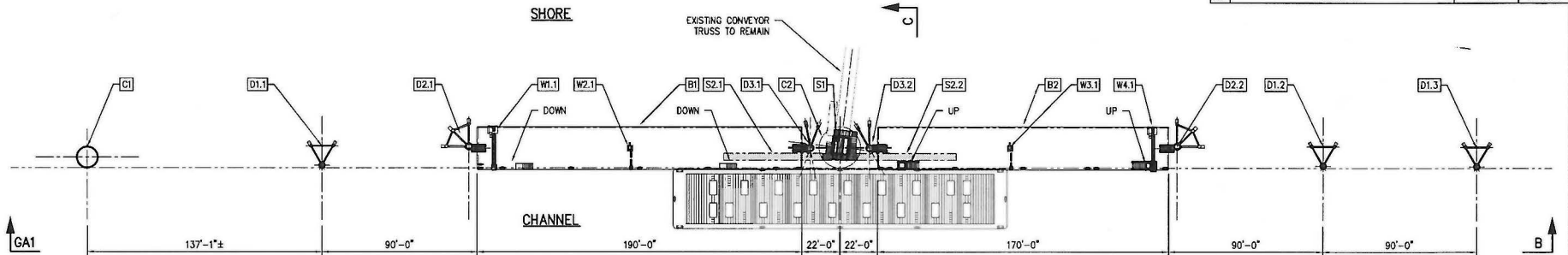
PRELIMINARY - ISSUED FOR REVIEW
NOT TO BE USED FOR SHOP DETAILING
15 MAY 2020



PRELIMINARY NOT FOR CONSTRUCTION	PROJECT NO. 251.17		SMITH LASALLE <small>CONSULTING ENGINEERS - FRANKLIN PARK, ILLINOIS</small>	
	APPROVALS		DATE	
	ENGINEER	P.GOLDSBY	15 MAY 20	
	DESIGN	P.GOLDSBY	15 MAY 20	
	CHECKED	B.PECHO	-	
APPROVED	-	-		
CARGILL AG HORIZONS - MUSCATINE MUSCATINE, IOWA - MISSISSIPPI RIVER BARGE HANDLING SYSTEM RENOVATION DREDGING LIMIT PLAN			DRWG. NO.	D2
			<small>DRAWING SCALE: AS NOTED IF SHEET SIZE IS OTHER THAN 11x17 IT IS A PUNTSHEET PRINT ONLY ASSEMBLY</small>	

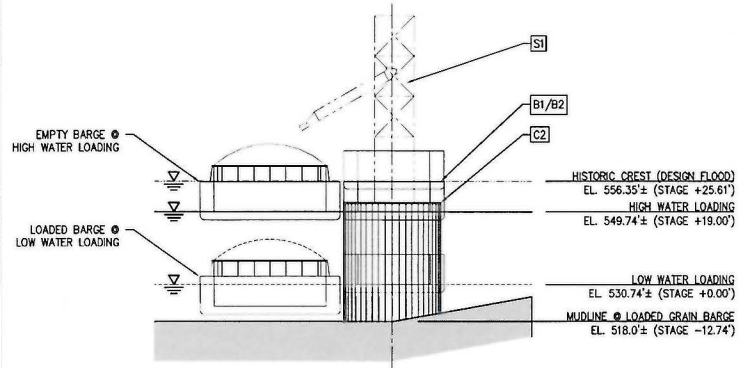
PROJECT #CEMVR-OD-P
2015-1511
DETAIL
Page 2 of 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



GENERAL ARRANGEMENT PLAN GA1-A
SCALE: 1"=60'

GENERAL ARRANGEMENT ELEVATION GA1-B
SCALE: 1"=60'



SECTION GA1-C
SCALE: 1"=30'

EQUIPMENT LEGEND

- B1 NEW DOWNSTREAM WORK BARGE - 190'x25'
- B2 NEW UPSTREAM WORK BARGE - 170'x25'
- C1 EXISTING DOWNSTREAM CELL TO REMAIN
- C2 EXISTING MAIN CELL TO REMAIN
- D1 (3) NEW BREASTING DOLPHINS
- D2 (2) NEW BARGE END CAPTURE DOLPHINS
- D3 (2) NEW BARGE CENTER CAPTURE DOLPHINS
- S1 NEW PREMANUFACTURED CONTROL ROOM
- S2 (2) NEW PREMANUFACTURED BARGE ACCESS GANGWAYS
- W1 NEW DOWNSTREAM BARGE HAUL WINCH w/ FAIRLEAD
- W2 NEW DOWNSTREAM BREASTING WINCH w/ FAIRLEAD
- W3 NEW UPSTREAM BREASTING WINCH w/ FAIRLEAD
- W4 NEW UPSTREAM BARGE HAUL WINCH w/ FAIRLEAD

PRELIMINARY - ISSUED FOR REVIEW
NOT TO BE USED FOR SHOP DETAILING
15 MAY 2020

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APPROVED	-	

SMITH LASALLE
CONSULTING ENGINEERS - FRANKLIN PARK, ILLINOIS

CARGILL AG HORIZONS - MUSCATINE
MUSCATINE, IOWA - MISSISSIPPI RIVER

BARGE HANDLING SYSTEM RENOVATION
GENERAL ARRANGEMENT PLAN, ELEVATION AND SECTION

DRAWING SCALE: AS NOTED
IF SHEET SIZE IS OTHER THAN 11"X17" IT IS A
CHANGED PRINT SCALE ACCORDINGLY

DRWG. NO.	GA1	REV.	E
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PROJECT #CEMVR-OD-P
2015-1511
PLAN DETAILS
Page 3 of 3