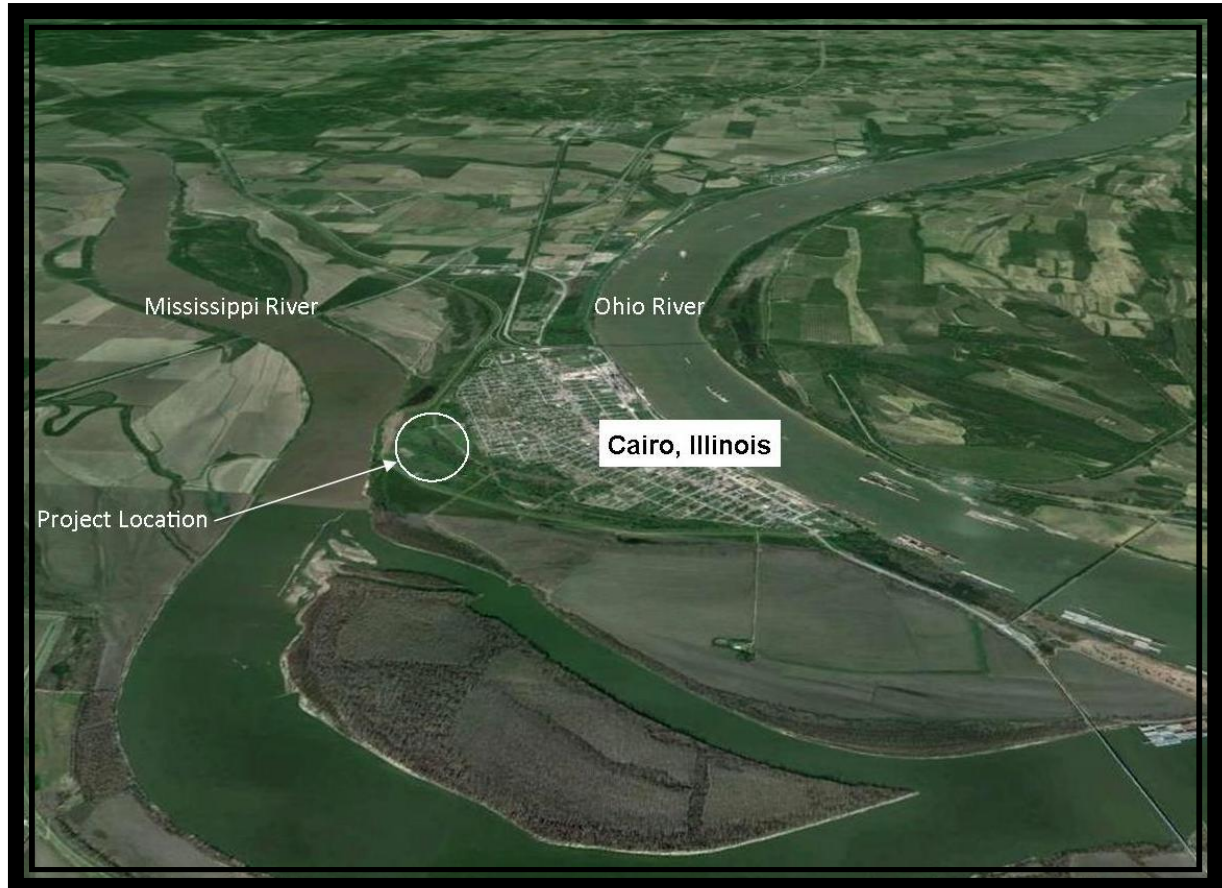


# A PROPOSED CAIRO, ILLINOIS MISSISSIPPI RIVER PORT TERMINAL (River Mile 5.7)



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## **City of Cairo, Illinois**

1501 Washington Avenue  
Cairo, Illinois 62914

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## **Cairo Public Utility Company**

1100 Commercial Avenue  
Cairo, Illinois 62914

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## **PROJECT BACKGROUND**

The City of Cairo and the Cairo Public Utility Company, along with support from the State of Illinois, are investigating the viability of a new port terminal development in the City of Cairo for the purpose of economic development for the citizens of Cairo. A port terminal location study and a site design and scoping study concluded that a new Mississippi River port terminal in Cairo is feasible.

The community and region are working to grow the population of the City, restore its architectural landmarks, and develop heritage tourism focusing on its history and relationship to the Mississippi and Ohio Rivers, to bring new opportunities to the community.

## STRATEGIC LOCATION

Cairo is located at a strategic point in the inland river system at the confluence of the Mississippi and Ohio Rivers. Cairo's geographical location has the following advantages:

- No locks/dams from Cairo to export terminals in New Orleans.
- Ice blockage doesn't extend to Cairo on the Mississippi River.
- Major turn point for upper/lower river boats and a major turn fleet area.
- Located at the lowest point of the upper Mississippi River segment, Cairo offers the lowest barge rates from upriver points to the Gulf and the Gulf to upriver points.
- Prominent location on the Interstate System with I-57, I-55, and I-24 in close proximity.
- Prominent location for transload of commodities from rail to barge with the Canadian National Railway serving the City.
- Coal mined in Illinois is utilized for export via barge transportation. Rail access exists to transport coal to Cairo from other U.S. coal mining regions.
- Major grain growing region – corn, soy beans, and some wheat. Much of these crops are transferred into barges at terminals.



## PORT TERMINAL FEASIBILITY

A port terminal location study and a site design and scoping study concluded that a new dock facility is feasible at approximately river mile 5.7 on the left descending bank of the Mississippi River. Additionally, it was concluded that conditions are favorable for a new port terminal facility located adjacent to the river terminal facility at river mile 5.7. The proposed Cairo port terminal site has the following desirable attributes:

- Adequate space, depth, and normal to low river velocities for a river dock facility.
- Adequate distance separation from the river dock facility to the main Mississippi River navigation traffic.
- Adequate space and depth available for a downstream anchor fleeting area.
- Available land area sufficient for a major port terminal facility with storage capabilities.
- Access to existing Canadian National Railway main line.
- Access to the existing local roadway infrastructure and Interstate System.
- Access to existing utility infrastructure with available capacity and expansion capabilities.



## BENEFITS TO THE STATE OF ILLINOIS

A new port terminal in Cairo has the potential to expand and solidify the City as a regional hub of trade and commerce, create new job opportunities, and support additional public and private facilities adjacent to or nearby the proposed site. This influx of new jobs and industry to Cairo and the surrounding region has the potential to spur economic development and generate increases in State and local tax revenues.

## CONCEPTUAL SITE LAYOUT AND COST RANGES

The conceptual design of the proposed port terminal facility contemplates mostly bulk and/or liquid cargoes, with the ability to load and unload cargo from rail, truck, and barge. The conceptual site layout depicts the port terminal facility with a proposed dock facility and fleeting area, rail loop connection to the existing Canadian National Railway main line track, truck access route connection to the existing local roadway infrastructure, and footprints for grain, coal, and liquid commodity storage facilities.

Order of magnitude cost estimate ranges for the facilities shown on the conceptual site layout are shown below. The cost estimate ranges include engineering, overheads, and a 15% contingency.

Category	Port Terminal Facilities	Cost Range
<b>Site Development &amp; Infrastructure</b>	Site Clearing/Grubbing, Earthwork, Truck Routes and Access Roads, Office Parking Lot, Site Drainage, Truck Scales and Probe Facilities, Office Building, Shop/Maintenance Building, and Other Miscellaneous Support Facilities	<b>\$6 to \$8 Million</b>
<b>Rail Facilities</b>	Track, Ties, and Sub-Ballast from Port Terminal Site to Canadian National Railway Connection	<b>\$5 to \$7 Million</b>
<b>River Dock Facilities</b>	Five Mooring Cells with Four Floating Deck Barges, Loadout Structure, and Barge Haul System	<b>\$8 to \$10 Million</b>
<b>Grain Handling Facilities</b>	Three Truck Dumps, Rail Dump, Receiving/Transfer System, Eight Storage Tanks with 950k Bushel Storage Capacity, Reclaim/Transfer System, Barge Loadout System, and Miscellaneous Ancillaries	<b>\$30 to \$35 Million</b>
<b>Coal Handling Facilities</b>	Rail Dump, Receiving/Transfer System, Reclaim Stacker, Ground Storage with 20k Ton Capacity, Reclaim/Transfer System, Barge Loadout System, and Miscellaneous Ancillaries	<b>\$20 to \$24 Million</b>
<b>Liquids Handling Facilities</b>	River Barge to Storage Transfer System, Truck to Storage Transfer System, Four Storage Tanks with 400k Barrel Storage Capacity, Storage to River Barge Transfer System, and Miscellaneous Ancillaries	<b>\$14 to \$16 Million</b>

## PERMITTING

A cursory regulatory permit review for the construction of a new port terminal in Cairo concluded that permits will likely be required from the following agencies: U.S. Army Corps of Engineers, Illinois EPA, Illinois DNR / Office of Water Resources, and the City of Cairo / Alexander County.

## NEXT STEPS

Multiple multi-national companies have expressed interest in the Cairo site. As future marketing for the port terminal in Cairo evolves, the following work should be considered:

- Economic impact study.
- Marketing and legal work.
- Site investigations – geotechnical, wetlands, cultural/archeological, threatened/endangered species.
- Outboundary and topographic surveying.
- Design engineering and permitting for site development and infrastructure / rail facilities work.



# MISSOURI

# ILLINOIS

MISSISSIPPI RIVER

RIVER MILE  
5.7

## FLEETING AREA

# CAIRO

OHIO RIVER

**CONCEPTUAL SITE LAYOUT**  
**CAIRO, IL MISSISSIPPI RIVER PORT TERMINAL**  
SCALE: 1" = 800'

CITY OF CAIRO,  
ILLINOIS

CAIRO PUBLIC UTILITY COMPANY



**LEGEND:**

TEXT	EXISTING
PROPOSED	PROPOSED
EXISTING RAIL	EXISTING RAIL
PROPOSED RAIL	PROPOSED RAIL
SITE BOUNDARY LINE	SITE BOUNDARY LINE
EXISTING LEVEE	EXISTING LEVEE
E	EXISTING ELECTRIC
S	EXISTING SEWER
EXISTING WATER	EXISTING WATER