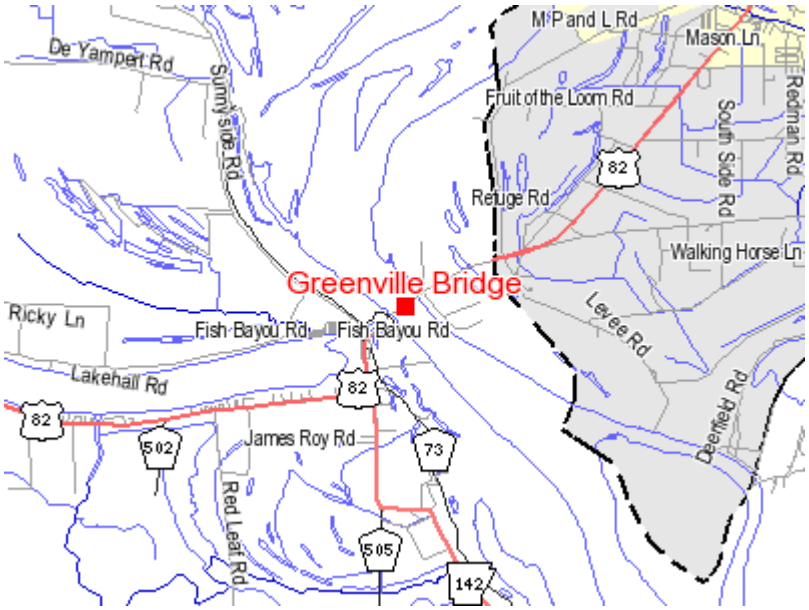
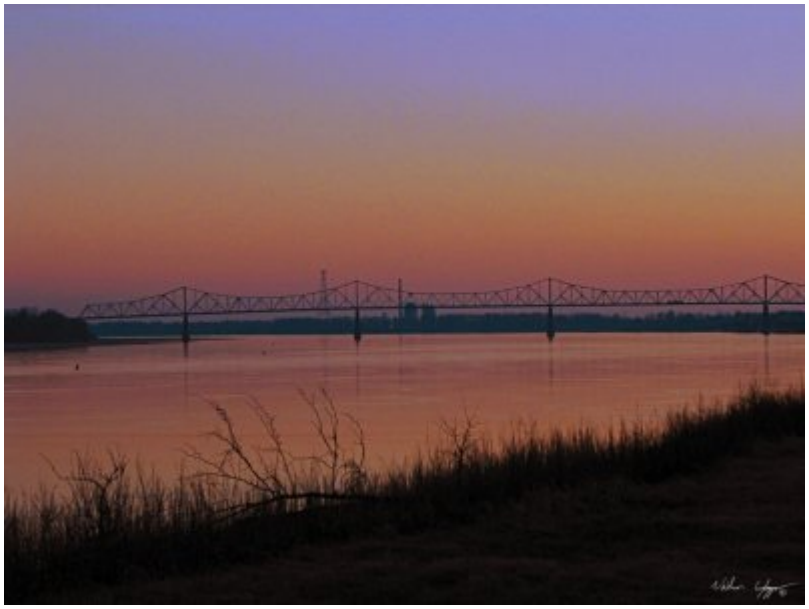
Mississippi River Bridges

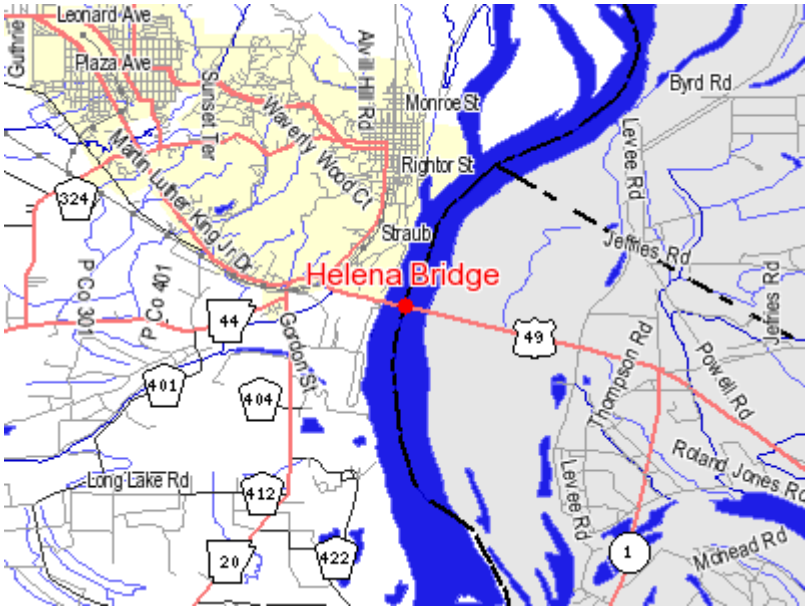
State of Mississippi / State of Arkansas

Greenville Bridge (US 82):
History –
Opened to traffic Sept. 17, 1940
Approximate latitude, longitude –
+33.29315, -91.15959 (decimal degrees)
33°17'35" N, 91°09'35" W (degrees°minutes'seconds")
Design –
Through truss bridge
Dimensions –
Main span length: 839.6 ft.
Total length: 9954.4 ft.
Deck width: 23.9 ft.
Vertical clearance: 18.2 ft.
Status –
Standing, undamaged including approaches



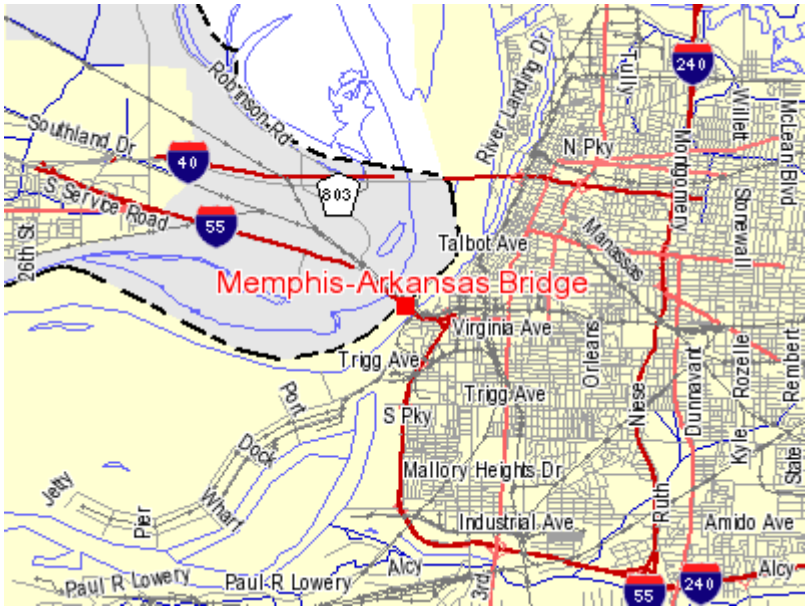
Helena Bridge (US 49):
History –
Built 1961; rehabilitated 1991
Approximate latitude, longitude –
+34.49688, -90.58748 (decimal degrees)
34°29'49" N, 90°35'15" W (degrees°minutes'seconds")
Design –
Through truss bridge
Dimensions –
Main span length: 839.6 ft.
Total length: 5202.7 ft.
Deck width: 27.8 ft.
Vertical clearance: 17.3 ft.
Status –
Approaches collapsed





State of Arkansas/State of Tennessee

Memphis/Arkansas Bridge (I-55):
History –
Built 1949
Approximate latitude, longitude –
+35.12751, -90.07567 (decimal degrees)
35°07'39" N, 90°04'32" W (degrees°minutes'seconds")
Design –
Cantilevered through truss bridge
Dimensions –
Main span length: 789.8 ft.
Total length: 5220.7 ft.
Deck width: 51.8 ft.
Vertical clearance: 17.3 ft.
Status –
Collapsed



Frisco Railroad Bridge:
History –
Completed May 12, 1892
Design –
Anchorage span: 225.9 ft. cantilevered through truss
Channel span: 790.5 ft. cantilevered through truss
Central span: 621.0 ft. cantilevered through truss
West span: 621.0 ft. cantilevered through truss
Deck span: 338.7 ft. Warren deck truss
West approach: 2290 ft. iron trestle viaduct
Dimensions –

Length of largest span: 790.5 ft.
Total length: approx. 4887 ft.
Deck width: 30 ft.
Status –
Collapsed

Harahan Railroad Bridge:
History –
Completed 1916
Design –
Cantilevered through truss railroad bridge
Status –
Collapsed

Mississippi River I-40 Bridge:
Also called Hernando DeSoto Bridge (official name) The New Bridge (common name)
History –
Built 1973
Design –
Two-span steel through arch bridge
Dimensions –
Main span length: 899.7 ft.
Total length: 9432.6 ft.
Deck width: 85.6 ft.
Vertical clearance: 18.6 ft.
Status –
Bridge remains standing, approaches collapsed

State of Tennessee / State of Missouri

Caruthersville Bridge (I-155):
History –
Built 1976
Approximate latitude, longitude –
+36.11490, -89.61264 (decimal degrees)
36°06'54" N, 89°36'46" W (degrees°minutes'seconds")
Design –
Continuous through truss
Dimensions –
Main span length: 821.0 ft.
Total length: 2044.4 ft.
Deck width: 61.3 ft.
Vertical clearance: 20.0 ft.
Status –

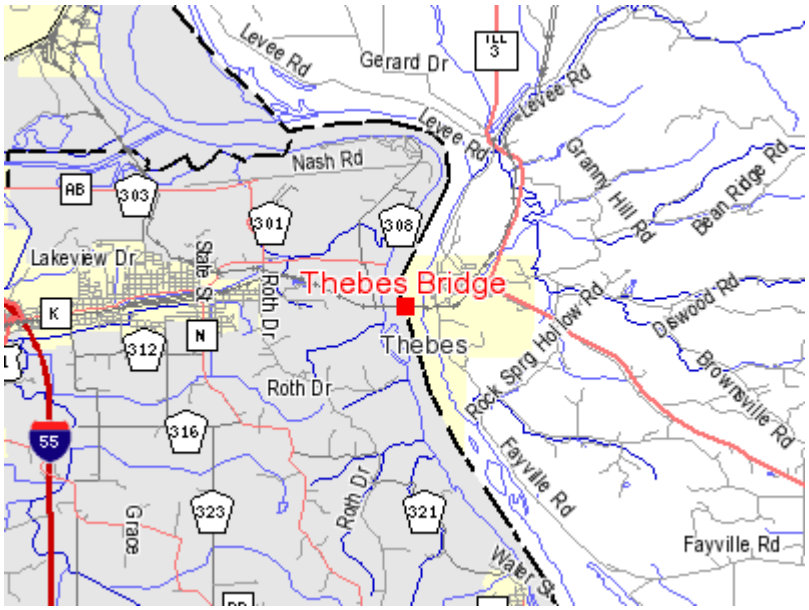
Major damage to bridge and approaches

State of Missouri/State of Illinois

Cairo Mississippi River Bridge (US 60/62):
History –
Built 1929; tolls removed 1954; rehabilitated 1983 and 2005
Approximate latitude, longitude –
+36.97831, -89.14721 (decimal degrees)
36°58'42" N, 89°08'50" W (degrees°minutes'seconds")
Design –
Continuous through truss bridge
Dimensions –
Main span length: 700.9 ft.
Total length: 5175.5 ft.
Deck width: 20.0 ft.
Vertical clearance: 17.8 ft.
Status –
Collapsed

Cairo I-57 Bridge:
History-
Built 1978
Design –
Steel through arch bridge
Dimensions-
Main span length: 820.7 ft.
Total length: 4088.8 ft.
Deck width: 59.0 ft.
Vertical clearance: 17.4 ft.
Status –-
Approaches and bridge deck heavily damaged

Thebes Railroad Bridge
History –
Built 1905 by a consortium of five railroad companies
Approximate latitude, longitude –
+37.21649, -89.46682 (decimal degrees)
37°12'59" N, 89°28'01" W (degrees°minutes'seconds")
Design –
Cantilevered through truss railroad bridge
Dimensions –
Main span length: 500.0 ft.
Total length: 3959.0 ft.
Status –
Collapsed



Old Cape Girardeau Bridge:

History –

Opened to traffic Sept. 3, 1928; replaced 2003

Approximate latitude, longitude –

+37.29722, -89.51678 (decimal degrees)

37°17'50" N, 89°31'00" W (degrees°minutes'seconds")

Design –

Six concrete deck girder spans, each 30 ft. long

Two steel deck girder spans, for a combined length of approx. 185 ft.

Two 20-panel continuous, cantilevered Warren through truss spans, each 671.0 ft. long

Six Pennsylvania through truss spans, each approx. 311.7 ft. long

Dimensions –

Main span length: 671.0 ft.

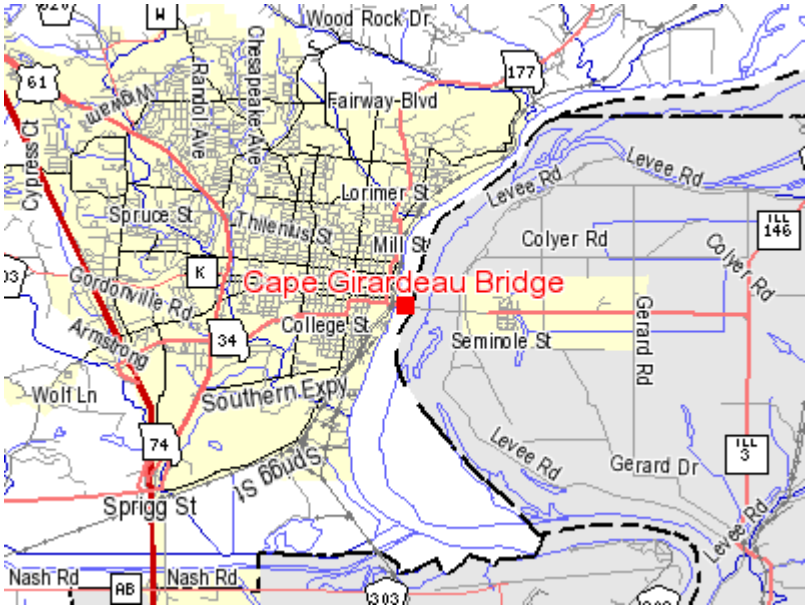
Total length: 4744.3 ft.

Deck width: 20.0 ft.

Vertical clearance: 15.2 ft.

Status –

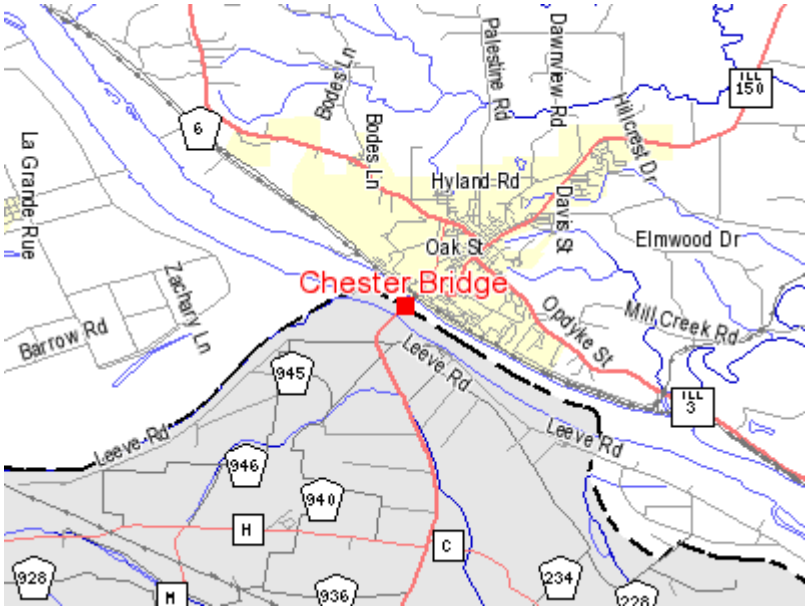
Collapsed



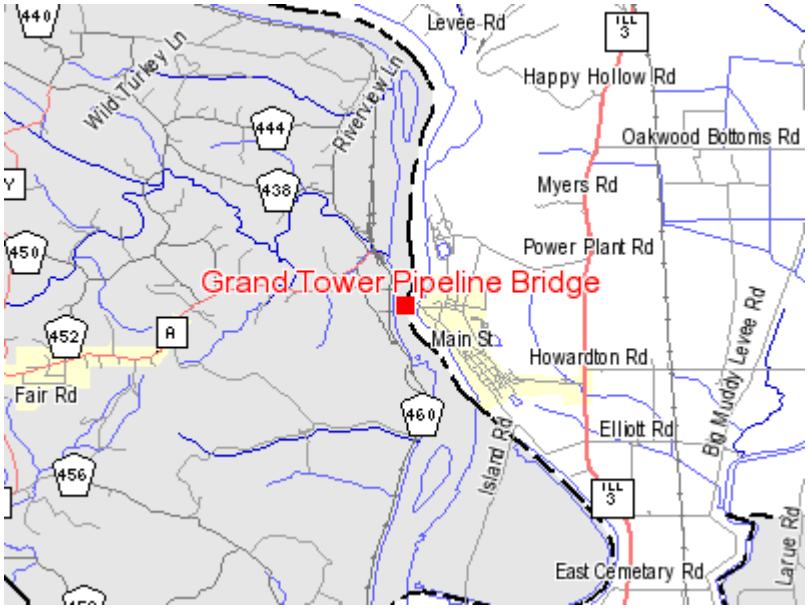
Bill Emerson Memorial Bridge (MO 34 and IL 146):
History –
Opened to traffic Dec. 13, 2003, replacing the old Cape Girardeau Bridge
Approximate latitude, longitude –
+37.29544, -89.51571 (decimal degrees)
37°17'44" N, 89°30'57" W (degrees°minutes'seconds")
Design –
Cable-stayed bridge
Dimensions –
Main span length: 1149.6 ft.
Total length: 3955.0 ft.

Deck width between guardrails: 80.0 ft.
Deck width from edge to edge: 93.8 ft.
Vertical clearance over deck: 40.0 ft.
Status –
Standing with approaches intact

Chester Bridge (MO 51 / IL 150):
History –
Opened Aug. 23, 1942 as a toll bridge. Main span destroyed by severe thunderstorm July 29, 1944; reopened Aug. 24, 1946. Tolls removed Jan. 1, 1989.
Approximate latitude, longitude –
+37.90246, -89.83698 (decimal degrees)
37°54'09" N, 89°50'13" W (degrees°minutes'seconds")
Design –
Through and deck truss bridge
Dimensions –
Main span length: 669.8 ft.
Total length: 2826.4 ft.
Deck width: 22.0 ft.
Vertical clearance: 19.9 ft.
Status –
Bridge standing, some approaches heavily damaged



Grand Tower Natural Gas Pipeline Bridge:
History –
Built 1955
Approximate latitude, longitude –
+37.64221, -89.51757 (decimal degrees)
37°38'32" N, 89°31'03" W (degrees°minutes'seconds")
Design –
Pipeline suspension bridge
Dimensions –
Length of main span: 2161.5 ft.
Status –
Standing

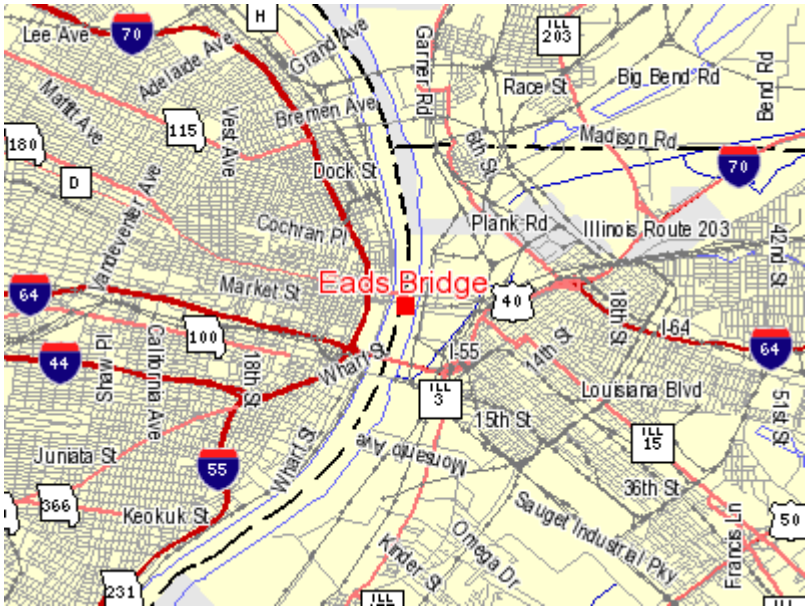


Jefferson Barracks Bridge (I-255):
History –
Westbound bridge built 1984; eastbound bridge built 1986
Design –
Parallel tied arch bridges
Dimensions –
Main span length: 909.9 ft.
Total length: 4017.7 ft.
Deck width: 50.8 ft.
Vertical clearance: 35.0 ft.
Status –
Standing with approaches intact

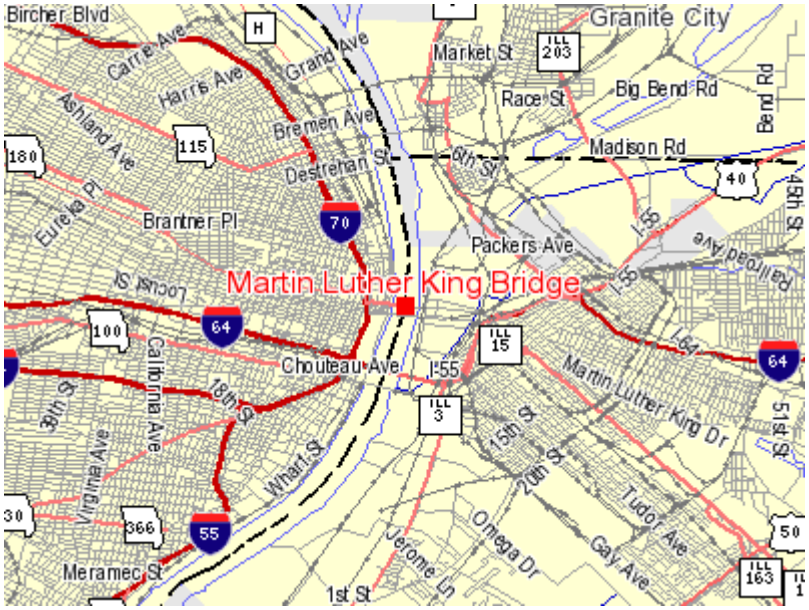
MacArthur Railroad Bridge:
History –
Built 1907-1917
Approximate latitude, longitude –
+38.61491, -90.18348 (decimal degrees)
38°36'54" N, 90°11'01" W (degrees°minutes'seconds")
Design –
Three-span through truss bridge (plus network of approaches)
Dimensions –
Length of longest span: 668 ft.
Status –
Bridge and approaches severely damaged

Poplar Street Bridge (I-55/I-64/I-70/US 40 – Downtown St. Louis)):
Also called the Bernard F. Dickman Bridge (official name)
History –
Built 1963
Design –
Steel deck girder bridge
Dimensions –
Main span length: 600.0 ft.
Total length: 2164.4 ft.
Deck width: 104.0 ft.
Status –
Requires damage assessment on span and appraoches

Eads Bridge:
History –
Built 1869-1874 under the direction of engineer James Buchanan Eads
Approximate latitude, longitude –
+38.62882, -90.17860 (decimal degrees)
38°37'44" N, 90°10'43" W (degrees°minutes'seconds")
Design –
Three-span steel arch bridge – Top deck open to four lanes of traffic with a pedestrian lane, bottom deck open to two tracks of MetroLink light rail service
Dimensions –
Main span length: 533.0 ft.
Total length: 4024.9 ft.
Deck width: 45.9 ft.
Status –
Masonry piers damaged



Martin Luther King, Jr. Bridge (Downtown St. Louis):
History –
Built 1951; rehabilitated 1987
Approximate latitude, longitude –
+38.63109, -90.17846 (decimal degrees)
38°37'52" N, 90°10'42" W (degrees°minutes'seconds")
Design –
Cantilevered through truss
Dimensions –
Main span length: 962.6 ft.
Total length: 4008.8 ft.
Deck width: 40.0 ft.
Vertical clearance: 19.4 ft.
Status –
Bridge damaged, approaches severely damaged



McKinley Bridge:

History –

Dedicated Nov. 10, 1910; closed to traffic in October 2001

Approximate latitude, longitude –

+38.66541, -90.18272 (decimal degrees)

38°39'55" N, 90°10'58" W (degrees°minutes'seconds")

Design –

Three-span through truss bridge closed, but slated for rehabilitation and reopening (2006)

Dimensions –

Main span length: 518.9 ft.

Total length: 6313.3 ft.

Deck width: 49.9 ft.

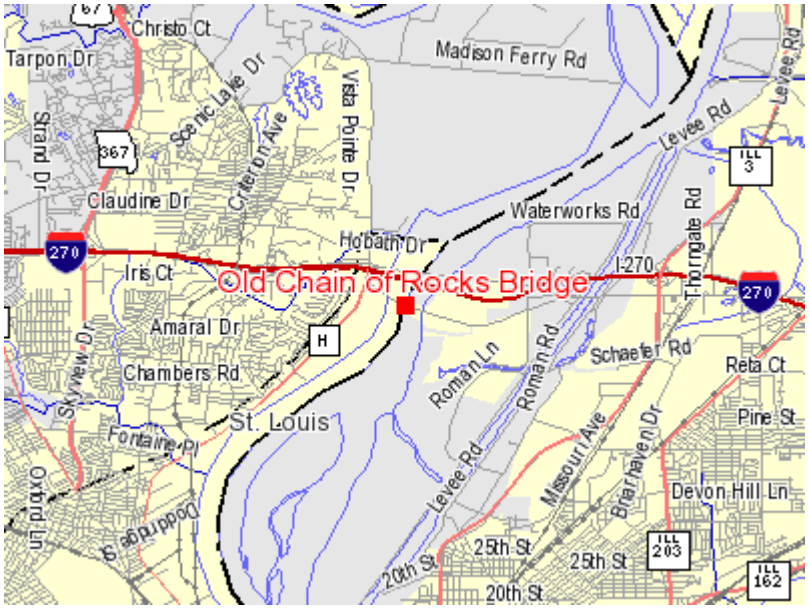
Vertical clearance: 19.6 ft.

Status –

Masonry piers damaged

Merchants Railroad Bridge:
History –
Completed May 1890
Approximate latitude, longitude –
+38.67482, -90.18642 (decimal degrees)
38°40'29" N, 90°11'11" W (degrees°minutes'seconds")
Design –
Three-span through truss railroad bridge
Status –
Masonry piers heavily damaged

Old Chain of Rocks Pedestrian Bridge (formerly US 66 Bridge):
History –
Built 1929; closed to traffic in 1968; reopened for pedestrians on June 5, 1999
Approximate latitude, longitude –
+38.76021, -90.17482 (decimal degrees)
38°45'37" N, 90°10'29" W (degrees°minutes'seconds")
Design –
Cantilevered through truss bridge open to pedestrians and bicycles
Dimensions –
Total length: 5353.0
Deck width: 24.0 ft.
Status –
Some damage to piers



Other Major River Crossings Adjacent to the Mississippi River

State of Arkansas

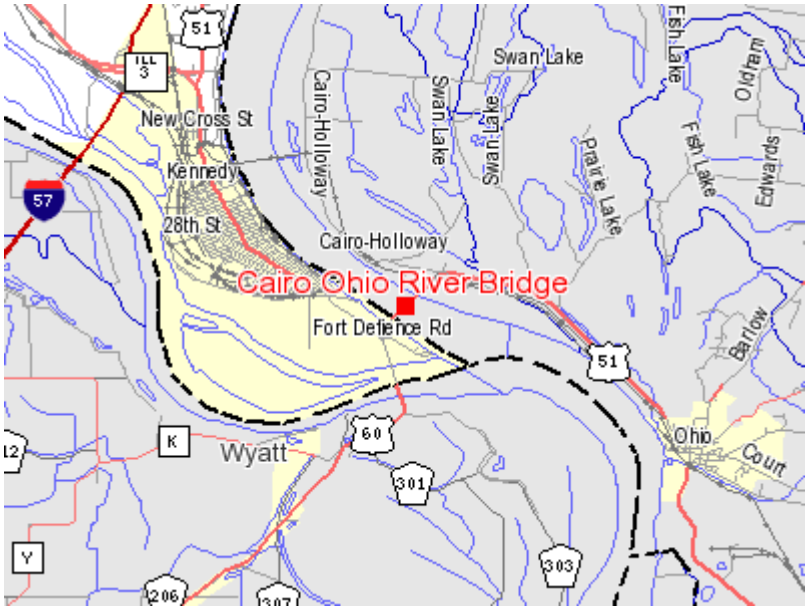
Clarendon Bridge over White River (US 79):
History –
Built 1931
Approximate latitude, longitude –
+34.68879, -91.31621 (decimal degrees)
34°41'20" N, 91°18'58" W (degrees°minutes'seconds")

Design –
Cantilevered through truss bridge
Dimensions –
Main span length: 399.8 ft.
Total length: 4282.0 ft.
Deck width: 23.9 ft.
Vertical clearance: 15.6 ft.
Status –
Collapsed

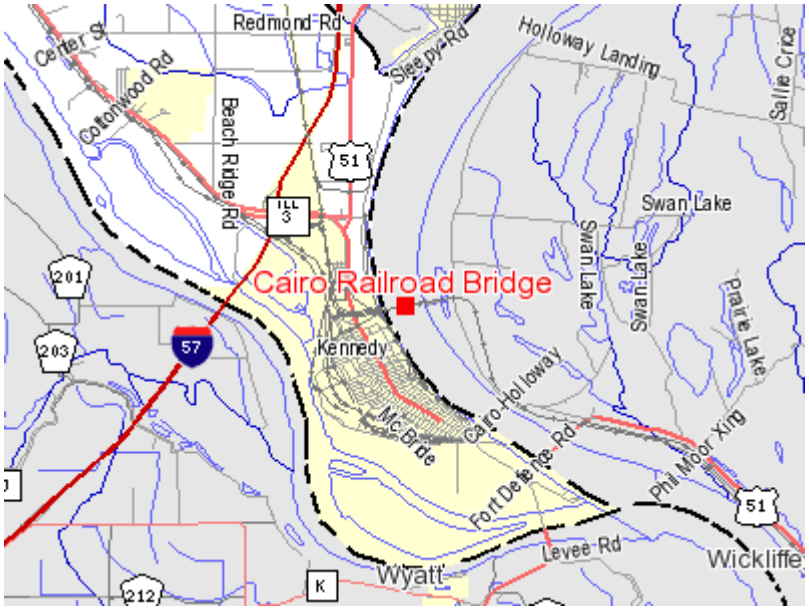
Ohio River Bridges

State of Illinois/Commonwealth of Kentucky

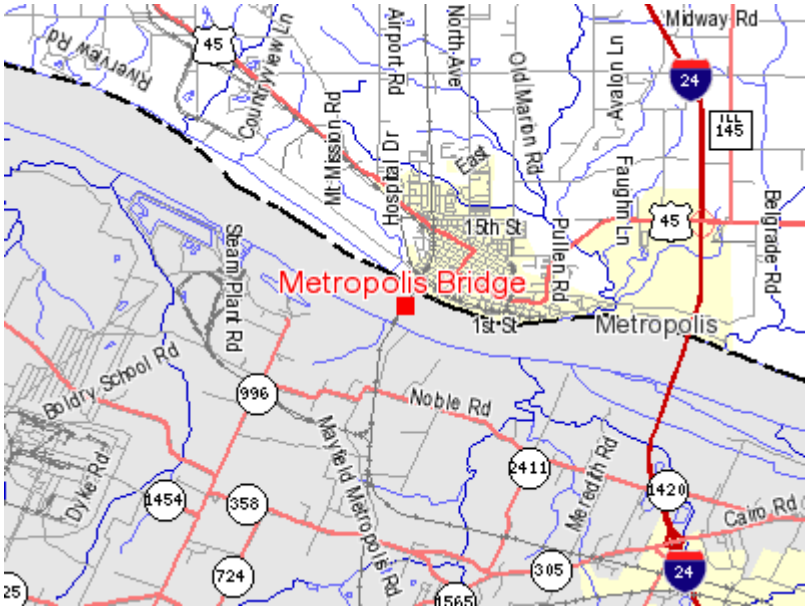
Cairo Ohio River Bridge (US 51 and US 60):
History –
Built 1937; rehabilitated 1979
Approximate latitude, longitude –
+36.99403, -89.14577 (decimal degrees)
36°59'39" N, 89°08'45" W (degrees°minutes'seconds")
Design –
Continuous through truss
Dimensions –
Main span length: 800.0 ft.
Total length: 5863.7 ft.
Deck width: 20.0 ft.
Vertical clearance: 19.6 ft.
Status –
Heavily damaged, requires inspection before use



Cairo Railroad Bridge (Canadian National):
Built 1949-52, replacing the First Cairo Railroad Bridge, but reusing many of the piers
Approximate latitude, longitude –
+37.02302, -89.17532 (decimal degrees)
37°01'23" N, 89°10'31" W (degrees°minutes'seconds")
Design –
Through truss bridge
Status –
Collapsed

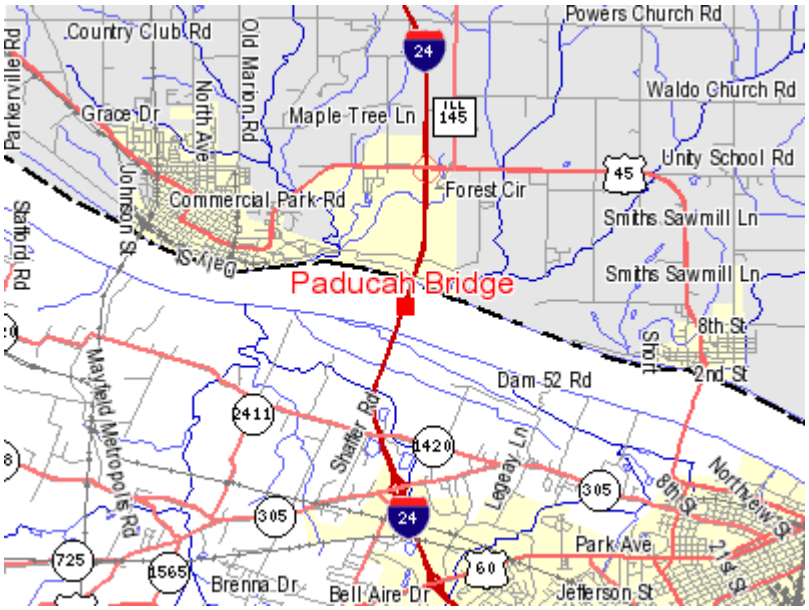


Metropolis Railroad Bridge:
History –
Built 1917
Approximate latitude, longitude –
+37.14461, -88.74204 (decimal degrees)
37°08'41" N, 88°44'31" W (degrees°minutes'seconds")
Design –
Series of deck plate girder approach spans
One riveted, 9-panel Parker through truss (probably a later modification)
Five pin-connected, Pennsylvania through trusses
One pin-connected, 8-panel Pratt deck truss
Series of deck plate girder approach spans
Dimensions –
Length of largest span: approx. 708 ft.
Total length: approx. 6424 ft.
Status –
Approaches and main spans heavily damaged.



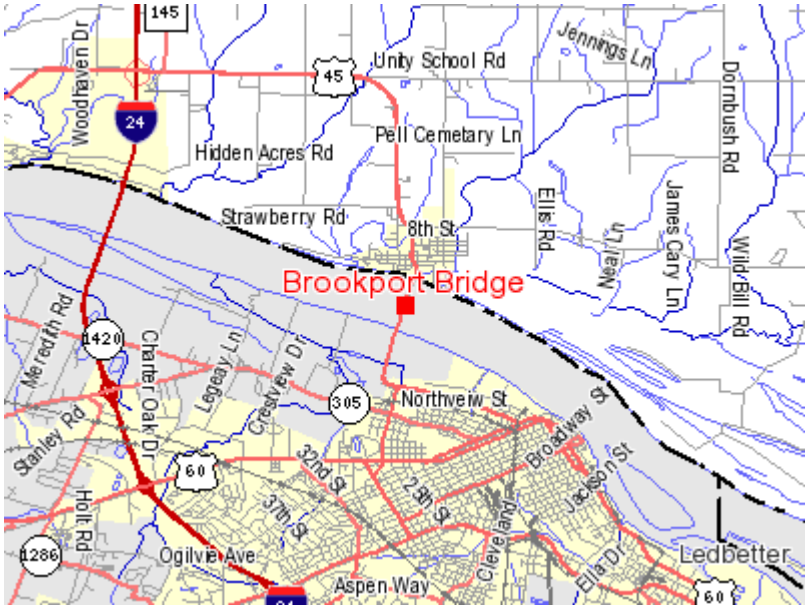
Paducah Bridge (I-24):
Also known as the Irvin S. Cobb Bridge
History –
Built 1973
Approximate latitude, longitude –
+37.13379, -88.68692 (decimal degrees)
37°08'02" N, 88°41'13" W (degrees°minutes'seconds")
Design –
Two-span tied-arch bridge
Dimensions –
Main span length: 729.8 ft.
Total length: 5632.4 ft.

Deck width: 60.0 ft.
Vertical clearance: 16.8 ft.
Status –
Approaches collapsed



Brookport Bridge (US 45):
History –
Built 1929
Approximate latitude, longitude –
+37.11465, -88.62915 (decimal degrees)
37°06'53" N, 88°37'45" W (degrees°minutes'seconds")
Design –

Three Warren pony trusses
One Parker through truss
Nine polygonal, subdivided Warren through trusses
Four deck truss spans
Dimensions –
Main span length: 711.0 ft.
Total length: 5385.8 ft.
Deck width: 19.7 ft.
Vertical clearance: 14.1 ft.
Status –
Collapsed



Shawneetown Bridge (IL 13/KY 56):

History –
Built 1955
Approximate latitude, longitude –
+37.68867, -88.13383 (decimal degrees)
37°41'19" N, 88°08'02" W (degrees°minutes'seconds")
Design –
Cantilevered through truss bridge
Dimensions –
Main span length: 825.1 ft.
Total length: 3200.2 ft.
Deck width: 23.9 ft.
Vertical clearance: 19.0 ft.
Status –
Heavily damaged but standing

Commonwealth of Kentucky/State of Indiana

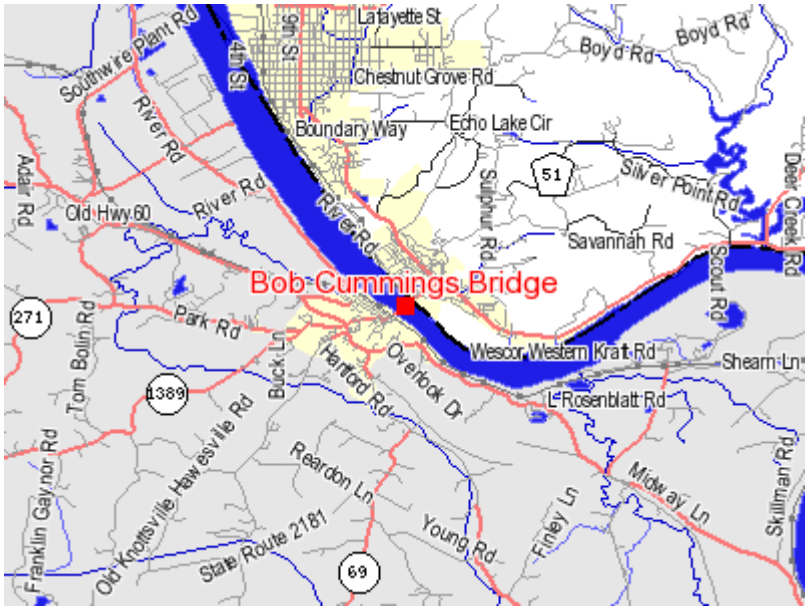
Evansville Bridge (US 41):
History –
Northbound bridge built 1932; southbound built 1965
Design –
Pair of cantilevered through truss bridges
Dimensions –
Main span length: 720.0 ft.
Total length: 5393.6 ft.
Deck width: 29.8 ft.
Vertical clearance: 19.8 ft.
Status –
Northbound bridge collapsed, southbound heavily damaged but standing

William H. Natcher Bridge (US 231):
History –
Opened October 21, 2002
Design –
Cable-stayed bridge
Dimensions –
Main span length: 1200 ft.
Total length: 4505 ft.
Deck width: 67 ft.
Status -
No severe damage on bridge or approaches

Glover Cary Bridge (IN 161, old US 231):

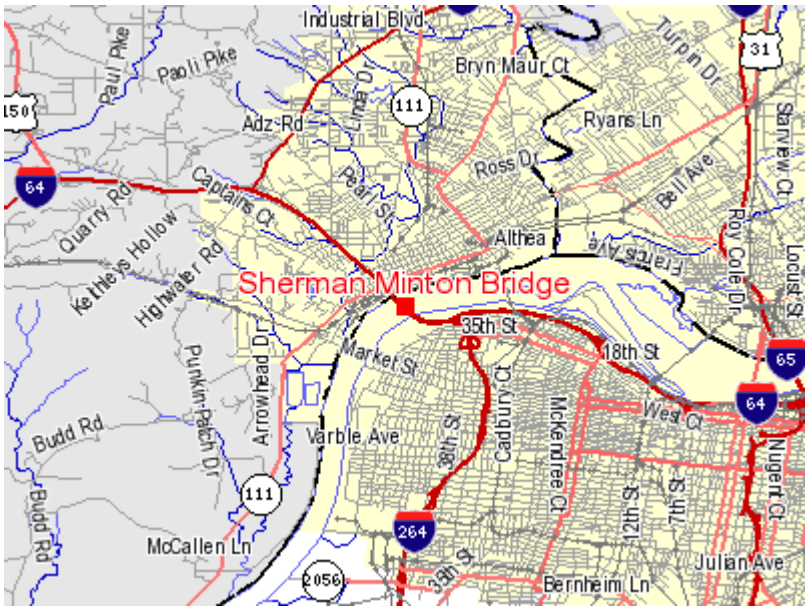
Also known as Owensboro Bridge or Blue Bridge
History –
Opened Sept. 1940
Design –
Through truss bridge
Dimensions –
Main span length: 750.8 ft.
Total length: 4622.8 ft.
Deck width: 22.0 ft.
Vertical clearance: 14.4 ft.
Status –
Heavily damaged requires inspection

Bob Cummins Bridge (IN 237/KY 69):
Also known as Cannelton Bridge
History –
Opened December 21, 1966
Approximate latitude, longitude –
+37.90348, -86.74414 (decimal degrees)
37°54'13" N, 86°44'39" W (degrees°minutes'seconds")
Design –
Steel through arch bridge
Dimensions –
Main span length: 824.6 ft.
Total length: 2708.3 ft.
Deck width: 27.8 ft.
Vertical clearance: 17.5 ft.
Status –
Damaged, requires inspection



Sherman Minton Bridge (I-64):
History –
Built 1961; rehabilitated 1997
Approximate latitude, longitude –
+38.27842, -85.82143 (decimal degrees)
38°16'42" N, 85°49'17" W (degrees°minutes'seconds")
Design –
Two-span steel through arch bridge
Dimensions –
Main span length: 800.0 ft.
Total length: 2052.9 ft.
Deck width: 42.0 ft.
Vertical clearance: 16.3 ft.

Status –
Largely undamaged

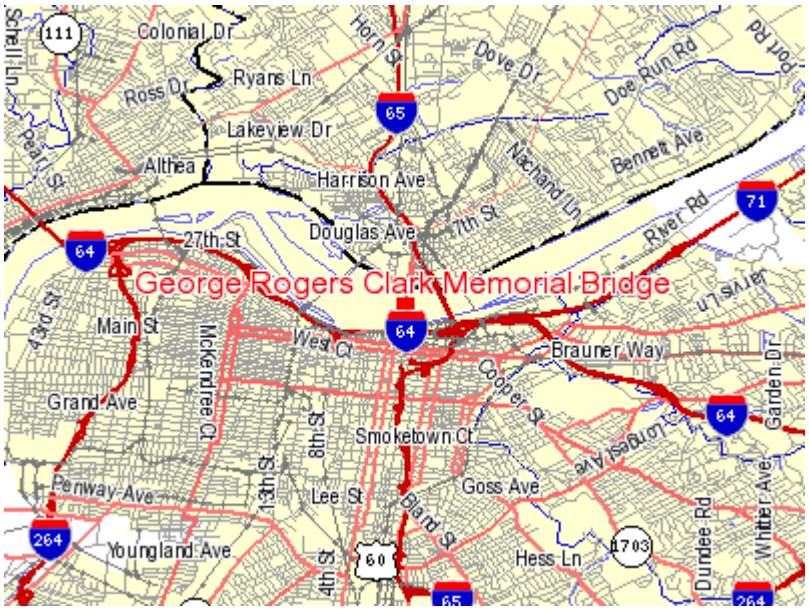


Kentucky and Indiana Railroad Bridge:
History –
First bridge built 1886; reconstructed 1912
Approximate latitude, longitude –
+38.28124, -85.80079 (decimal degrees)
38°16'52" N, 85°48'03" W (degrees°minutes'seconds")
Design –
Through truss railroad bridge
Status –
Damage to piers

Falls of the Ohio Railroad Bridge:
Approximate latitude, longitude –
+38.26907, -85.76494 (decimal degrees)
38°16'09" N, 85°45'54" W (degrees°minutes'seconds")
Design –
Through truss railroad bridge
Status –
Damage to piers

George Rogers Clark Memorial Bridge (US 31):
Also call the Second Street Bridge or Municipal Bridge
History –
Built 1929; tolls removed 1946; rehabilitated 1958
Approximate latitude, longitude –
+38.26407, -85.75147 (decimal degrees)
38°15'51" N, 85°45'05" W (degrees°minutes'seconds")
Design –
Cantilevered through truss bridge
Dimensions –
Main span length: 819.6 ft.
Total length: 5746.5 ft.

Deck width: 38.0 ft.
Vertical clearance: 13.5 ft.
Status –
Heavily damaged potential later collapse



John F. Kennedy Memorial Bridge (I-65):
History –
Built 1963
Design –
Cantilevered through truss bridge
Dimensions –
Main span length: 700.0 ft.
Total length: 2497.3 ft.

Deck width: 85.9 ft.
Vertical clearance: 28.0 ft.
Status –
Requires inspection before use

Other Major River Crossings Adjacent to the Ohio River

Commonwealth of Kentucky

Tennessee River Bridge (US 60):
History –
Built 1931
Design –
Through truss bridge
Dimensions –
Main span length: 399.832 ft.
Total length: 3035.312 ft.
Deck width: 23.9 ft.
Vertical clearance: 12.8904 ft.
Status –
Collapsed

Tennessee River Bridge (I-24):
History –
Built 1974
Approximate latitude, longitude –
+37.02650, -88.28556 (decimal degrees)
37°01'35" N, 88°17'08" W (degrees°minutes'seconds")
Design –
Pair of steel through arch bridges
Dimensions –

Main span length: 534.0 ft.
Total length: 2107.4 ft.
Deck width: 39.0 ft.
Vertical clearance: 19.0 ft.
Status –
Approaches and bridge spans heavily damaged

Cumberland River Bridge (US 60):
History –
Built 1931; rehabilitated 1954
Design –
Through truss bridge
Dimensions –
Main span length: 499.872 ft.
Total length: 1817.448 ft.
Deck width: 20.0 ft.
Vertical clearance: 13.8088 ft.
Status –
Collapsed

Cumberland River Bridge (US 62):
History –
Built 1952
Design –
Through truss bridge
Dimensions –
Main span length: 699.952 ft.
Total length: 1466.488 ft.
Deck width: 24.928 ft.
Vertical clearance: 16.0 ft.
Status –
Collapsed

Green River Bridge (US 60):
History –
Built ca. 1930
Design –
Through truss bridge
Dimensions –
Main span length: 359.816 ft.
Total length: 1102.736 ft.
Deck width: 20.0 ft.
Vertical clearance: 15.3176 ft.
Status –
Damaged, requires inspection before use

State of Indiana

New Harmony Bridge (IL 41):
History –

Built 1931
Approximate latitude, longitude –
+38.13090, -87.94155 (decimal degrees)
38°07'51" N, 87°56'30" W (degrees°minutes'seconds")
Design –
Four-span through truss toll bridge
Dimensions –
Main span length: 299.8 ft.
Total length: 2578.4 ft.
Deck width: 20.0 ft.
Vertical clearance: 15.6 ft.
Status –
Heavily damaged, requires inspection before use

Possible Dams, Levees, or Other Structures to Damage or Collapse

State of Tennessee

McKeller Lake Dam – Re-channelization of Mississippi through Harbor Channel east of Presidents Island

Tipton, TN / New Madrid, MO Oxbow – Collapse of oxbow just north of Tipton, TN on Mississippi River

Kentucky Lake and Lake Barkley Dams – Damage to dams but no collapse