NAME
Jefferson National Expansion Memorial
AND/OR COMMON
The Gateway Arch, The Old Courthouse, and The Old Cathedral

LOCATION
STREET & NUMBER
11 North 4th Street
CITY, TOWN
St. Louis
STATE
Missouri

CLASSIFICATION
CATEGORY
DISTRICT
BUILDING(S)
STRUCTURE
SITE
OBJECT

OWNERSHIP
PUBLIC
PRIVATE
BOTH

PUBLIC ACQUISITION
IN PROCESS
BEING CONSIDERED

STATUS
OCCUPIED
UNOCCUPIED
WORK IN PROGRESS

ACCESSIBLE
YES: RESTRICTED
YES: UNRESTRICTED

PRESENT USE
AGRICULTURE
MUSEUM
COMMERCIAL
PARK
EDUCATIONAL
PRIVATE RESIDENCE
ENTERTAINMENT
RELIGIOUS
GOVERNMENT
SCIENTIFIC
TRANSPORTATION
OTHER:

AGENCY
REGIONAL HEADQUARTERS (If applicable)
U.S. National Park Service, Midwest Regional Office
STREET & NUMBER
1709 Jackson Street
CITY, TOWN
Omaha
STATE
Nebraska

LOCATION OF LEGAL DESCRIPTION
COURTHOUSE
REGISTRY OF DEEDS, ETC.
U.S. National Park Service, MWRO
STREET & NUMBER
1709 Jackson Street
CITY, TOWN
Omaha
STATE
Nebraska

REPRESENTATION IN EXISTING SURVEYS
TITLE
Historic American Buildings Survey
DATE
1936
DEPOSITORY FOR SURVEY RECORDS
Library of Congress
CITY, TOWN
Washington
STATE
D.C.

(See Continuation Sheet, page 1)
CONTINUATION SHEET

TITLE: List of Classified Structures

DATE: 1975

FEDERAL

DEPOSITORY FOR SURVEY RECORDS: U.S. National Park Service, Midwest Regional Office, Omaha, Nebraska

TITLE: National Survey of Historic Sites and Buildings

DATES: 1957-1962

FEDERAL

DEPOSITORY FOR SURVEY RECORDS: Office of Archeology and Historic Preservation, National Park Service, Washington, D.C.
The business center of old St. Louis grew up along the levee, where the riverfront was the jumping-off place for journeys westward. This area declined with the growth of the railroads, and most of the historic structures disappeared. The Jefferson National Expansion Memorial, including the Gateway Arch and the two remaining historic buildings, the Old Courthouse and the Old Cathedral, now occupies the area.

The large, T-shaped district in downtown St. Louis runs along the Mississippi River between the I-40/I-70 bridge, to the south, and Eads bridge, to the north. The great majority of the district is in the rectangular, park-like portion between the two bridges, Wharf Street, and I-55/I-70. This area includes the Gateway Arch and Visitor Center, the Old Cathedral, two scenic overlooks, parking facilities, several pedestrian paths, and two not-yet-completed ponds.

The Memorial was designed by Eero Saarinen in 1947. The original design envisioned a long, T-shaped park with the New Courthouse, (eight blocks west of the present memorial), Old Courthouse, and the Gateway Arch on a grand east-west axis linked by parks and terminating at the Mississippi River. The land between the two courthouses has never been cleared and the green belt axis has never been achieved, but the visual link can be clearly seen. Only the land between the Gateway Arch and the Old Courthouse has been cleared and incorporated into the Memorial. The final link to the river's edge, a grand stairway from the Arch to Wharf Street and the levee, is now under construction.

The easternmost structure is the Gateway Arch (No. HS 2), begun in 1962 and finished in 1965. The soaring, stainless steel, stressed-skin arch is 630 feet high. An inverted catenary curve, each leg is made up of double-walled, equilateral triangle sections. Throughout, the walls of each section are connected by high-strength steel rods, making a self-supporting, stressed-skin structure.

At ground level, each section is 12 feet high, and 54 feet long on each side; at the top, the sections are 8 feet high, and 17 feet on each side. The Arch's 630-foot span straddles the underground Visitor Center and Museum of Westward Expansion. Housed at the top is an observation deck from which visitors are afforded a thirty-mile view to the east and west.

Within the Memorial boundaries, but still owned by the Roman Catholic Archdiocese of St. Louis, is the Old Cathedral. It was begun in 1831 from plans prepared by Joseph Laveille and George Morton (who also designed the 1826, brick courthouse replaced by the courthouse cited below) and it was finished in 1834. This (Joliet) limestone church in modified Greek Revival is rectangular in plan with a nave, two aisles, an apse, no transepts, and a steeple above the entrance. A later, one-story, addition runs along the north and east sides of the church.

The third major, and westernmost, structure in the Memorial is the Old St. Louis County Courthouse (No. HS 1). Built between 1839 and 1864, this Greek Revival, three-story, brick and stone structure was designed by several architects over the period of its construction (Henry Singleton, William Twombly, George I. Barnett, Robert S. Mitchell, Thomas D. F. Lanham, and William Rumbold), and has been altered several times, including (See Continuation Sheet, page 2)
a major restoration and remodeling completed in 1942. Basically a Greek Cross in plan, the junction of the four wings forms a central rotunda surmounted by a Renaissance style cast-iron dome and lantern. In the interior of the rotunda, the first three-stories are Greek Revival, but the later, upper levels, including the dome and lantern are Late Renaissance, almost Baroque, in style. This upper dome is elaborately decorated with murals, especially four lunette murals originally done by Carl Wilmar, and several later murals by Ettore Miragoli.

In the northeast and southeast corners of the Park are the two scenic overlooks. Designed to afford views of the river and the surrounding scenery, they are approached by a series of steps with variable slopes that reflect the catenary slope of the Gateway Arch.
SIGNIFICANCE

PERIOD AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW

__PREHISTORIC__ __ARCHAEOLOGY-PREHISTORIC__ __COMMUNITY PLANNING__ __LANDSCAPE ARCHITECTURE__ __RELIGION__

__1400-1499__ __ARCHAEOLOGY-HISTORIC__ __CONSERVATION__ __LAW__ __SCIENCE__

__1500-1599__ __AGRICULTURE__ __ECONOMICS__ __LITERATURE__ __SCULPTURE__

__1600-1699__ __ARCHITECTURE__ __EDUCATION__ __MILITARY__ __SOCIAL/HUMANITARIAN__

__1700-1799__ __ART__ __ENGINEERING__ __MUSIC__ __THEATER__

__1800-1899__ __COMMERCIAL__ __EXPLORATION/SETTLEMENT__ __PHILOSOPHY__ __TRANSPORTATION__

__1900-__ __COMMUNICATIONS__ __INDUSTRY__ __POLITICS/GOVERNMENT__ __OTHER (SPECIFY)___

SPECIFIC DATES 1935 to present BUILDER/ARCHITECT Eero Saarinen

STATEMENT OF SIGNIFICANCE

The Park was established in 1935 to memorialize the role of Thomas Jefferson and others responsible for the Nation's territorial expansion to the Pacific and of the countless pioneers who explored and settled the great American West.

To dramatize the growth and the great social, political, and economic changes that followed in the wake of the Louisiana Purchase, the National Park Service and the city of St. Louis undertook an extensive development program. In 1947, the Jefferson National Expansion Memorial Association held a national competition to select a design for the Memorial. The late Eero Saarinen's design was selected from more than 200 entries.

The central feature of the Saarinen Plan is the 630-foot, stainless steel Gateway Arch, symbolizing St. Louis' historic gateway role. The Arch, one of the most challenging engineering and construction projects ever attempted, is in the form of an inverted catenary curve. The catenary is the soundest of all arches, because all forces pass through the legs into the foundation. A variety of structural methods, some not normally used for buildings, unique to this structure, were employed by Saarinen. The stressed-skin design is similar to airplane structural design and allows the skin to carry all structural loads without massive interior framing. Furthermore, the design demanded new construction techniques; the arch was erected by unique, 100-ton, steel creeper cranes mounted on steel tracks affixed to each arch leg. These cranes lifted and placed the triangular sections. After the final section was placed in the arch, the derricks crept down, taking up their tracks and polishing the surface as they went.

The Old Courthouse derives its significance from several areas - architecture, art, engineering, and law. The dome atop the Courthouse was a major feat of engineering and architectural design when it was built. In 1851, the Courthouse's fifth architect, Thomas D. P. Lanham, proposed and designed a new Renaissance style dome to replace the original, smaller dome. However, it was Lanham's successor, William Rumbold, who, between 1859 and 1862, accomplished the detailed structural design and engineering, which he patented. The lightweight iron skeletal designs of the St. Louis dome and its contemporary on the National Capitol were unique in the United States at that time, and were among the first in the world. The designers of many statehouses took their inspiration from the National Capitol, but the St. Louis dome was completed one-and-a-half years before, and in this sense was the forerunner of those that followed.

The interior of Rumbold's dome, because of its lightweight structural design, allowed for a very high rotunda, so the architect and the muralists August Becker, Charles Wimar, and Leon Pomerade collaborated to redesign the old rotunda, which had been designed by George I. Barnett, the building's third architect.

(See Continuation Sheet, page 3)
Wimar designed the original program and, by 1862, executed the four lunettes depicting the history of St. Louis. Subsequent work by Ettore Miragoli in 1880, repairs by August Becker in 1888 and 1905, restoration work by James Lyons in 1921, and a fire in 1936 have obliterated all of Wimar's program except two of his lunettes. The majority of the work visible today is a National Park Service restoration of Miragoli's; nevertheless, both men were accomplished artists and the rotunda presents an impressive appearance.

An event of major political and legal importance occurred at the Courthouse in 1847, when Dred Scott sued the widow of Dr. John Emerson for his freedom. The trial verdict was rendered in favor of Mrs. Emerson. Upon appeal, this verdict was set aside and a second trial was held in 1850. These first two trials were known to have been held in the Courthouse. The State Supreme Court trial, in 1852, was probably not held in the Courthouse. The case saw its conclusion in the decision of the U.S. Supreme Court in Dred Scott vs. Sanford in 1857.

Also of note is the fact that Justice Louis Brandeis was admitted to the bar in this courthouse in 1878.

The old Cathedral, the second remaining historic building of old St. Louis, was built in 1831 to 1834, on land set aside for religious purposes by Pierre Laclede in the spring of 1764 when he founded the village of St. Louis. The building narrowly escaped destruction in the disastrous fire that swept the riverfront in 1849. The importance of the church declined sharply after the Civil War when the archdiocese moved its headquarters uptown to a new cathedral. But in 1961, Pope John XXIII designated the building "Basilica of St. Louis, King of France." This is the highest honor ever given an American Catholic church.
MAJOR BIBLIOGRAPHICAL REFERENCES

St. Louis: Jefferson National Expansion Memorial, 1937.
-------, An Architectural and Historical Sketch of the Old Courthouse.
St. Louis: Jefferson National Expansion Memorial, 1937.
-------, A Physical History of the Old Courthouse, St. Louis, Missouri. 1826-1938.
St. Louis: Jefferson National Expansion Memorial, 1938.

GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY 90.96

UTM REFERENCES

ZONE EASTING NORTHING
A 15 17 96 1 12 1 2 2 0
C 16 17 45 1 0 2 0 0 0

ZONE EASTING NORTHING
A 15 17 96 1 2 0 0 0 0
C 16 17 45 1 0 0 0 0 0

VERBAL BOUNDARY DESCRIPTION

(See Continuation Sheet, page 5)

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

<table>
<thead>
<tr>
<th>STATE CODE</th>
<th>COUNTY CODE</th>
</tr>
</thead>
</table>

FORM PREPARED BY

NAME / TITLE
Richard I. Ortega, Architectural Historian (Engineer)

ORGANIZATION
U.S. National Park Service, MWRO

DATE 3/3/76

STREET & NUMBER
1709 Jackson Street

TELEPHONE 402-221-3423

CITY OR TOWN Omaha

STATE Nebraska

CERTIFICATION OF NOMINATION

STATE HISTORIC PRESERVATION OFFICER RECOMMENDATION
YES__ NO__ NONE__

STATE HISTORIC PRESERVATION OFFICER SIGNATURE

FOR NPS USE ONLY
I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

DIRECTOR, OFFICE OF ARCHAEOLOGY AND HISTORIC PRESERVATION

ATTEST:

KEEPER OF THE NATIONAL REGISTER
-----, The Riverfront at St. Louis; Gateway to the West. St. Louis: Jefferson National Expansion Memorial, 1942.

The T-shaped park, starting at the intersection of Eads Bridge and Wharf Street, St. Louis, Missouri, runs south along the west side of Wharf Street for approximately 3600 feet; thence west along the north side of Poplar Street for approximately 800 feet; thence north along the east side of the Third Street Expressway for approximately 1600 feet; thence west along Market Street approximately 800 feet; thence north along Broadway approximately 300 feet; then east along Chestnut approximately 800 feet; thence north along the Expressway approximately 1400 feet; thence east along the south wall of Eads Bridge approximately 900 feet to the beginning.
Photo Log:

Name of Property: Jefferson National Expansion Memorial National Historic Site
City or Vicinity: St. Louis [Independent City]
County: St. Louis [Independent City]  State: MO
Photographer: Arteaga Photos (unless otherwise noted)
Date Photographed: Sept 1975 (unless otherwise noted)

Description of Photograph(s) and number, include description of view indicating direction of camera:

2 of 3. Aerial view of the park as seen from the S looking N. Note: The scenic overlooks, one in the foreground and one in the background; the Gateway Arch in the right center of the middle ground; the Old Cathedral in the left center of the middle ground; and the Old Courthouse in the upper left hand corner. Note: This is a copyrighted photo.
3 of 3. West elevation of Old Courthouse with the Gateway Arch behind it, as seen from the W looking E. Photo taken Oct. 1975.