Memorial Park Task Force Recommendation Report

07/20/2018

Prepared at the request of the Fort Wayne Board of Park Commissioners
Authored by: Alec Johnson
Memorial Park Task Force Recommendation Report

In June of 2017, the Fort Wayne Board of Park Commissioners assigned Deputy Director Garry Morr to convene and lead a task force charged with developing recommendations to preserve the monuments in Memorial Park, and determine priorities for making improvements in the park. Upon Garry Morr’s resignation from the Parks and Recreation Department, Deputy Director of Planning and Development, Alec Johnson, took over as Chair of the task force. This team has been diligently working over the past year looking at current conditions in the park, researching the Memorial Park Cultural Landscape Report, and understanding operations and recreation opportunities in the park. This report outlines the findings of this task force across the three broad categories of Monument Repair and Restoration, Circulation and Accessibility, and Landscape/Recreation. The task force believes that the following recommendations should be prioritized with regards to funding, and should be used to evaluate any proposed improvements to the park.

Team Members

Alec Johnson | City of Fort Wayne Parks and Recreation
Jill McDevitt | Executive Director | ARCH, Inc.
Eric Ummel | City of Fort Wayne Parks and Recreation
Gary Perkey | President/Founder | Warrior Breed Motorcycle Club
Chantell Davis | City of Fort Wayne Parks and Recreation
Geoff Paddock | Fort Wayne City Council
Jason Smith | City of Fort Wayne Parks and Recreation
Joe Wasson | Allen County Veterans Affairs
CSM James H.S. Olds III | Allen County Council of Veterans Organizations
Edward Welling | President | Friends of the Parks of Allen County
Chad Shaw | City of Fort Wayne Parks and Recreation
Garry Morr | City of Fort Wayne Parks and Recreation
Heidi Koeneman | Friends of the Parks of Allen County
Task Force Recommendations

Monument Repair and Restoration

There are six monuments located in Memorial Park.

- Arthur Smith Memorial
- World War Triumphal Arch Memorial
- Olen J Pond Memorial
- Allen County Vietnam Memorial
- Civil Servants Memorial
- Fort Wayne Daisies Memorial

The Civil Servants Memorial, Fort Wayne Daisies Memorial, and Allen County Vietnam Memorial are all in good condition. We are recommending that the Fort Wayne Daisies Memorial and Allen County Vietnam Memorial be moved to more suitable and prominent locations in the park (see appendix - Exhibit 1.1). The remaining memorials need varying degrees of restoration. In order to determine the extent and cost of these restorations we commissioned the Conservation of Sculpture & Object Studio, Inc. to prepare condition reports and treatment plans for each, including cost estimates. The task force recommends the following memorials be restored or relocated as described below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Cost Estimate</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>World War Triumphal Arch</td>
<td>Base Cost: Stone and sculpture treatment, scaffolding, dismantling, transport to CSOS, reinstall</td>
<td>$164,000.00</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Alternates: fabrication of bayonet and rifle, fence repair, eagles</td>
<td>$54,800.00</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Stone and sculpture treatment</td>
<td>Cost</td>
<td>Quantity</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Arthur Smith Memorial</td>
<td>Option 1:</td>
<td>$75,400.00</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Option 2:</td>
<td>$88,400.00</td>
<td>3</td>
</tr>
<tr>
<td>Olen J. Pond Memorial</td>
<td>Treatment of stone, re-create missing head</td>
<td>$32,000.00</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Optional: Treatment of urns</td>
<td>$10,000.00</td>
<td>1</td>
</tr>
<tr>
<td>Allen County Vietnam Veterans Memorial</td>
<td>Move Allen County Vietnam Memorial to location along new pathways</td>
<td>$8,000.00</td>
<td>1</td>
</tr>
<tr>
<td>Fort Wayne Daisies Memorial</td>
<td>Move monument to more prominent location</td>
<td>$1,000.00</td>
<td>1</td>
</tr>
</tbody>
</table>

The Fort Wayne Parks and Recreation Department has budgeted $50,000 per year in 2018 - 2022 for monument restoration. The task force recommends that the 2018 funding be directed to the restoration of the Olen J Pond Memorial including the treatment of the urns. Remaining funding for monument restoration should align with priorities as indicated in table above. Funding will need to be augmented through additional fund-raising or budget allocations to complete all monument restoration.

In addition to the restoration projects described above, the task force recommends relocating the Fort Wayne Daisies Memorial and Allen County Vietnam Memorial to the locations identified on Exhibit 1.1. The funding for the relocation of memorials can be added to the Capital Improvement Projects (CIP) budget for 2019.

Finally, we would recommend that the Fort Wayne Parks and Recreation Department add information and photos for each of the monuments in the park to the department website.
Circulation and Accessibility

It is important to note that currently, none of the monuments in Memorial Park are accessible by a trail. All of the circulation and accessibility recommendations relate to correcting this, and better connecting the park to the surrounding neighborhood.

The following circulation and accessibility recommendations are consistent with the Memorial Park Cultural Landscape Report and the task force believes they are appropriate and necessary. You can reference the Area Key with Exhibit 1.2 Circulation Map.

<table>
<thead>
<tr>
<th>Description</th>
<th>Area Key</th>
<th>Length</th>
<th>Unit Cost</th>
<th>Estimate</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide accessible path from Pond Memorial to Memorial Grove (asphalt 8’)</td>
<td>1</td>
<td>770 LF</td>
<td>$35/LF</td>
<td>$26,950.00</td>
<td>1</td>
</tr>
<tr>
<td>Provide accessible path from pull-in parking lot to Glory of Their Sons Memorial (asphalt 8’)</td>
<td>2</td>
<td>170 LF</td>
<td>$35/LF</td>
<td>$5,950.00</td>
<td>2</td>
</tr>
<tr>
<td>Provide accessible path from Randall St to Pond Memorial, with spur to Maumee (asphalt 8’)</td>
<td>3</td>
<td>800 LF</td>
<td>$35/LF</td>
<td>$28,000.00</td>
<td>3</td>
</tr>
<tr>
<td>Add pavers around Glory of Their Sons Memorial</td>
<td></td>
<td>600 SF</td>
<td>$18/SF</td>
<td>$10,800.00</td>
<td>4</td>
</tr>
<tr>
<td>Add pathway from Humphrey St to playground and Glory of Their Sons memorial (asphalt 8’)</td>
<td>4</td>
<td>700 LF</td>
<td>$35/LF</td>
<td>$24,500.00</td>
<td>5</td>
</tr>
</tbody>
</table>
Provide accessible path around east side of pavilion and connect to Memorial Grove (asphalt 8’ and concrete 6’)

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimate</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide accessible path around east side of pavilion and connect to Memorial Grove (asphalt 8’ and concrete 6’)</td>
<td>5 240 LF $35/LF $8,400.00 6</td>
<td>6</td>
</tr>
</tbody>
</table>

These proposed pathways will be 6’ or 8’ wide and constructed of asphalt with base and binder courses or concrete. (see chart above)

The Fort Wayne Parks and Recreation Department has budgeted $50,000 per year in 2018 – 2021 for improvements in Memorial Park related to this task force recommendations. Those funds will be shared between ‘circulation and accessibility’ projects and ‘landscape and recreation’ projects guided by priority ratings in table above and in next section.

Landscape and Recreation

The Memorial Park landscape was designed intentionally and with great thought to views, moments, and monument location. There are spaces for quiet contemplation, passive recreation, and active recreation. The task force, along with Park staff spent time in the park evaluating the current landscape condition. Prior to the completion of this report, a partnership between the Fort Wayne Parks and Recreation Department and the Warrior Breed Motorcycle facilitated the complete restoration of the Memorial Tree Grove. The Warrior Breed Motorcycle Club successfully raised enough funds privately to plant 71 new trees in the Memorial Grove in November of 2017. This brought the total number of trees in the Memorial Grove back to 135 as it was originally designed and intended. The Fort Wayne Parks and Recreation Department will replace any trees lost to disease, weather, or vandalism. We have identified the following additional landscape projects as appropriate and necessary.
<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove and replace landscaping around the Arthur Smith Memorial</td>
<td>$4,000.00</td>
<td>1</td>
</tr>
<tr>
<td>Remove and replace landscaping around the Pond Memorial</td>
<td>$2,000.00</td>
<td>1</td>
</tr>
<tr>
<td>Replace any trees lost in the Memorial Grove</td>
<td>$210 Per Tree</td>
<td>1</td>
</tr>
<tr>
<td>Add plaque on a stone or concrete pedestal describing Memorial Grove. Place in an accessible location where grove can be viewed</td>
<td>$8,000.00</td>
<td>1</td>
</tr>
<tr>
<td>Install grand monument sign on Maumee Avenue and include Legacy plaque</td>
<td>$45,000.00</td>
<td>4</td>
</tr>
<tr>
<td>Description</td>
<td>Cost</td>
<td>Quantity</td>
</tr>
<tr>
<td>----------------------------------------------------------------------------</td>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>Provide accessible path from parking lot to ball field</td>
<td>$60,000.00</td>
<td>5</td>
</tr>
<tr>
<td>Add paver patio on south side of pavilion</td>
<td>$20,520.00</td>
<td>3</td>
</tr>
<tr>
<td>Add (5) benches at perimeter of Memorial Grove</td>
<td>$12,500.00</td>
<td>2</td>
</tr>
<tr>
<td>Add bench at Pond Memorial</td>
<td>$2,500.00</td>
<td>2</td>
</tr>
</tbody>
</table>

The monument landscaping improvements outlined above will be addressed and funded through the Capital Improvement Budget over the next five years. The new plaque and concrete pedestal, and the installation of benches at the Memorial Grove will be funded by the Warrior Breed Motorcycle Club. Their fund raising efforts to replant trees in the Memorial Grove was so successful that they raised considerably more than what was needed. They have generously offered to contribute those additional funds to Memorial Park projects.

**Conclusion**

Memorial Park is unique in its concept. A park devoted to memorializing those who have given the ultimate sacrifice of their life. The landscape character and design is also unique, in that Adolph Jaenicke preserved the topographic character of the land, carefully constructing experiences to maximize the visitor’s pleasure moving through the park, and engaging with the memorials. The Memorial Park Task Force and Fort Wayne Parks and Recreation staff believe that the recommendations described in this report honor this unique legacy and provide a framework for future improvements. The Fort Wayne Parks and Recreation department is fully committed to fund and complete the projects recommended above in a timely manner.
EXHIBIT 1.1 Monument Relocation
EXHIBIT 1.2 Circulation Map
CONDITION REPORT
AND
TREATMENT PROPOSAL

Title: Allen County and Fort Wayne Their Tribute to the Glory of Their Sons
Location: Fort Wayne
Designed by: Captain John K. Shawvan
Constructed by: Muldoon Monument Company of Louisville, Kentucky
Artist: E. M. Viquesney
Material: White marble, copper and copper alloy elements
Examined: Fall of 2017
Dedicated: November 12, 1928
Dimensions:
Overall: 260’ wide, 92’ deep, 16’ tall
Dough boy: 84” high, 38” deep, 37” wide
Marine: 80” high, 35” deep, 48” wide
4 large plaques: 45” high, 20” wide, 1 ½” deep
Small plaque: 16” wide, 12” high, ½” deep
Fence: 59” wide, 30” high, 1 1/8” thick rods are ¾” in diameter

DESCRIPTION:

View of the front and the back of the monument. The monument is composed of arch made of marble, two sculptures made of copper sheet metal, two bronze eagles, four large plaques, one small plaque and a bronze fence.
CONDITION:

Two figures of a “Spirit of American Doughboy” and “Spirit of the American Navy” are made of sheet copper. Both sculptures are in similar condition. Both are covered with uneven green corrosion with some brown copper oxide present. Both have their bases and parts of the legs filled with concrete.

Green copper corrosion is found on the stone under all copper elements.
Black presumably gypsum crust is found on almost all under surfaces of the stone.

Most of the pointing is deteriorated or missing.

Some areas are showing severe surface deterioration and sugaring of the stone.
Detail illustrating deteriorated pointing and damaged stone.

Image illustrating misplacement of the stone, black carbon deposits, damaged corners on the stone, and severely deteriorated stone.
Image illustrating carbon deposits, deteriorated pointing and misplaced stone (read arrow).

Image illustrating cracked middle stone at the front of the monument.
Stone discoloration under the arch.

Overall image of the back. Please note that the stone is uneven in color. It is a result of copper staining, biological growth and environmental deposits. Perhaps the monument was cleaned chemically in the past.
Both sculptures have numerous small dents. The face of the marine shows disfiguring dents in the chicks.

Detail illustrating condition of the surface. Please note green corrosion, accumulation of dirt, surface abrasions and dents in the surface of the shoe.
Detail of the tree stamp. Please note a crack that is filled with concrete. Both sculptures have their bases filled with concrete up to the middle of the calf.

All of the original doughboy sculptures have barb wire at the base. This sculpture is missing most of it. Only residue of the barb wire is found in the areas that wire was very well attached to the sheet copper substrate of the sculpture.
Historical image of a Doughboy form Spencer Indiana. Please note that the barb wire is found at the base. CSOS has recently restored a sculpture form Castile NY which also required recreation of most of the barb wire. The rifle and bayonet are usually part of the sculpture. In the case of sculpture discussed the rifle and bayonet are missing.
On left detail of the proper left hand on the right the entire figure. Most of these sculptures have a rifle in the left hand, but this sculpture is missing it. The image on the left does not indicate clearly that the rifle was removed. The surface of the left hand is finished and only small piece of the metal where the rifle would normally be attached was found. It is not clear if this sculpture had a rifle or not. Most of them do. Perhaps during past treatment someone refinished the hand to make it look like nothing was missing?

A hole in the metal was found in the back of the proper left leg of the marine figure. Please see the red arrow in the image above.
The red oval and arrows point to gray material that is hard and is scattered on the surface of the sculpture.

Original plaque at the sculpture of the Doughboy
Eagle sculpture at the front is relatively evenly corroded green.

Eagle sculpture in the back has slightly more of black corrosion, but is also relatively evenly corroded green.

The shadows (darker areas behind the bronze) on the stone appear to indicate that the stone was washed with a high-pressure washer. The dark spots behind did not get washed that is why they look like shadows.

There are 4 large plaques and all of them are in similar condition (image on the left). They look as if they were recently coated with a pigmented coating. There is also a small plaque (image on the right) on the side of the wall. This plaque is coated with a clear coating, but the coating is deteriorated and green corrosion is found on the surface.
The large plaques are 10 missing rosettes. On the right is an image of the original rosette yet in place. It is ¾” in diameter.

Image on the left illustrates original anchoring screw with a pin that was installed to support / hold the rosette. The screw and pin are made of copper alloy. Image on the right shows replacement screw made of iron that was installed sometime in the past. No pin for rosette attachment. It appears that the rosettes were attached with adhesive or were never recreated. All iron screws should be removed and replaced with copper alloy screws and proper attachment for new replacement rosettes.
Detail of the fence showing 4 top parts of the rods missing and all of the decorative elements from the top are also missing.

Detail of the fence showing missing small mounting threaded rods (red arrows) and a few rods in place (yellow arrows), but the rods in place have missing elements that were on the top of them.

There are 4 threaded rods in place and 10 of them are missing.
PROPOAED TREATMENT:

Stone
1. Erect a scaffolding.
2. Clean the surface using steam and laser ablation process.
3. Poultice the copper staining where needed.
4. Remove the deteriorated pointing.
5. Reset the misaligned stone at the top.
6. Fill in the deteriorated areas using Dutchman technique and paste material for small losses.
7. Consolidate the deteriorated areas.
8. Point the entire stone structure with lime based mortar.
9. Dismantle the scaffolding.

Sculpture
1. Remove the sculptures form their bases.
2. Remove the concrete form the inside of the bases and legs.
3. Weld or solder the hole in the marine figure.
4. Straighten and remove the dents where possible.
5. Clean the surface using laser ablation process.
6. Design and apply the internal support system for the bases. Concrete was used in the past to make the bases more stable and resistant to damage. The sculptures will be set low and the potential for people inflicting damage to the lower portions of the sculpture justifies use of internal support.
7. Design and execute the new anchoring system. I strongly suggest that the new system is created in such a way that the sculptures can be removable for future treatment needs.
8. Apply patina to the surface of the sculptures.
   A) Green
   B) Brown
9. Hot wax the surface of sculptures.
10. Reinstall the sculptures on their bases.

Optional:
11. Recreate and install reproduction of missing rifle, bayonet and barb wire.

Fence
1. Investigate the appearance of the missing elements. Help of the owner is needed. We need to access your archives.
2. Recreate the missing elements.
3. Install the missing elements.
4. Apply patina
   A) to the new elements to match the green appearance
   B) patinate the new and old elements brown.
5. Hot wax the gate.
Eagles
Green option
1. Clean the surface of loose corrosion.
2. Patinate the black areas green
3. Hot wax or coat with Incralac the sculptures.

Brown Option
1. Remove the green corrosion using laser ablation process.
2. Apply desired color of brown patina.
3. Apply hot wax or Incralac.

Plaques.
1. Replicate 10 missing rosettes.
2. Remove the iron screws and replace them with appropriate size copper alloy screws.
3. Install the replacement rosettes.
4. Remove the coating and corrosion from the small plaque using laser ablation process.
5. Apply patina to the surface of the plaque.
6. Apply hot wax to the surface of the plaque.

The large plaques could be left as they are, or they can be treated the same way as the small plaque. It appears to me that all of the metal elements form this monument should be waxed, because they are very easily accessible and can get vandalized and might need frequent treatment. Use of lacquer coating does not appear to be appropriate in this case.

**COSAT ESTIMATE:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone Treatment</td>
<td>$52,000.00</td>
</tr>
<tr>
<td>Sculpture Treatment</td>
<td>$34,000.00</td>
</tr>
<tr>
<td>Dismantling</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>Transportation to &amp; from CSOS</td>
<td>$3,000.00 x 2 = $6,000.00</td>
</tr>
<tr>
<td>Reinstallation</td>
<td>$8,000.00</td>
</tr>
<tr>
<td>Sculpture optional:</td>
<td></td>
</tr>
<tr>
<td>Barb wire</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Rifle and bayonet</td>
<td>$14,900.00</td>
</tr>
<tr>
<td>Fence general treatment</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Fence reproductions</td>
<td>$10,000.00 to $12,000.00</td>
</tr>
<tr>
<td>Eagles:</td>
<td></td>
</tr>
<tr>
<td>A) Green</td>
<td>$4,000.00</td>
</tr>
<tr>
<td>B) Brown</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>Plaques</td>
<td></td>
</tr>
<tr>
<td>Small plaque</td>
<td>$1,200.00</td>
</tr>
<tr>
<td>Large plaques</td>
<td></td>
</tr>
<tr>
<td>- Rosettes</td>
<td>$3,400.00</td>
</tr>
<tr>
<td>- No treatment</td>
<td>$0.00</td>
</tr>
<tr>
<td>- Remove coating</td>
<td>$2,800.00</td>
</tr>
<tr>
<td>- Apply patina</td>
<td>$1,900.00</td>
</tr>
<tr>
<td>- Hot wax</td>
<td>$1,600.00</td>
</tr>
<tr>
<td>Scaffolding:</td>
<td>$20,000.00 to $30,000.00 the cost will be determined at the time of execution of the treatment. This is an estimated quote.</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Travel and per diems:</td>
<td>$24,000.00</td>
</tr>
<tr>
<td>Documentation &amp; Materials:</td>
<td>$9,000.00</td>
</tr>
<tr>
<td><strong>Total Cost:</strong></td>
<td>$</td>
</tr>
</tbody>
</table>

Please select the treatment options and let me know what is approved. We are looking forward to working on this very interesting project.
CONDITION REPORT
AND
TREATMENT PROPOSAL

Title: Arthur Smith Memorial
Location: Fort Wayne
Artist: James S. J. Novelli
Material: Granite pedestal bronze sculpture and plaques
Date: 1923
Examined: November 9, 2017

Archival image of the monument with the bronze being dark presumably brown in color.
CONDITION:

Close-up of the bronzed figure. Current condition. Please note relatively evenly corroded surface. Only recessed areas in the wings are corrode black.

Close – up of the upper portion of the sculpture. Please note relatively evenly corroded surface with some black streaking.
Close-up of the back of the proper right wing. Similar condition to the front.

Close-up of the back of the proper left wing. Similar condition to the front.
Close-up of the back – middle section. Similar condition to the wings.
Lower section of the back of the sculpture. Similar condition to the rest of the sculpture.
Close-up of the back of the globe and base. Please note similar condition of the bronze and presumably copper grounding wire. Further examination is needed.
View from the top of the back of the base.
View of the top of the bronze base – front. Please note dark stone staining around the bronze, crack in the stone at the left side of the base and presumably copper grounding rod / wire at the proper left side of the base,
The bottom of the column of the monument is decorated with 4 plaques. Above view of plaque 1.

View of the plaque 2.
All of the plaques are in similar condition. It appears that someone cleaned the plaques relatively recently using acidic solution. All of the surfaces of the plaques are covered with thin layer of green and whitish corrosion.
Clos-up showing the date and sculptor’s name and place of casting.

All 4 sides of the pedestal suffered damage caused from grass cutting equipment. Abraded iron is actively corroding on the surface of the stone and there are numerous losses at the corners.
PROPOSED TREATMENT:
1. Erect a scaffolding.
2. Examine the condition of the attachment of the bronze figure to the pedestal and if any instability or structural problems are found discuss the problems with the owner and propose a treatment options.
3. Surface color and cleaning:
   Option 1:
   A. Remove the loose green corrosion products using bronze wool.
   B. Wash the surface of the sculpture using water and Orvus.
   C. Patinate the black areas green.
   D. Coat the sculpture with Incralac or Nicolas coating.
   Option 2
   A. Remove the corrosion products using laser ablation process.
   B. Wash the surface of the sculpture using water and Orvus.
   C. Patinate the sculpture brown.
   D. Coat the sculpture with Incralac or Nicolas coating.
4. Clean the stone using steam and Orvus.
5. Remove the deteriorated pointing where needed and repoint.
6. Remove the ferrous staining using laser ablation and poulticing if needed.
7. Remove the green and whitish corrosion products form the plaques using laser ablation process.
8. Apply brown patina to the surface of the plaques.
9. Hot wax the plaques.
10. Dismantle the scaffolding.

COSAT ESTIMATE:
Bronze Treatment
Option 1: $12,000.00
Option 2: $25,000.00
Stone Treatment: $11,800.00
Plaques Treatment $ 3,000.00
Scaffolding: $24,000.00 this is estimated not proposed cost.
Travel and per diems: $16,600.00
Documentation & Materials: $ 8,000.00
Total Cost: $75,400.00 to 88,400.00
Condition Report and Treatment Proposal

Title: Olen J. Pond Memorial
Location: Memorial Park, Fort Wayne
Artist: Frederic C. Hibbard
Material: Marble
Date: November 11, 1030
Examined: August 2014

DESCRIPTION

The sculpture appears to be made of dense limestone or a lower grade marble. Two urns are placed on both sides of the sculpture. The urns are made of glazed terra-cotta.
CONDITION

The head of the figure is missing. Good photographic documentation of the original head will be needed for recreation of this detail.

The surface of the stone is dirty and the front of the monument has residue of the graffiti on the base. The graffiti is painted over.

The upper section of the monument shows darker layers that appear to highlight the layers of the stone sediment.

The bronze plaque is corroded green with some black corrosion spots. The green corrosion runoff stains the stone below.

It appears that the lower section was vandalized a number of times because it is much cleaner than the top stone. The graffiti (still is visible) although it is painted over with darker paint.
Both urns are set on concrete foundations and both of them have numerous large losses at the edges and their surfaces are very dirty.

**PROPOSED TREATMENT**
1. Clean the surface of the stone using poulticing and steam.
2. Recreate the missing head in the similar stone to the original.
3. Remove the old and deteriorated opining.
4. Point the joints of the monument.
5. Treat the surface of the urns and fill in the losses. **Optional**
   It is also recommended to cut the surrounding bushes and provide better lighting for the area in order to prevent or reduct potential for future graffiti.

**COST ESTIMATE**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>General stone treatment</td>
<td>$12,000.00</td>
</tr>
<tr>
<td>Recreation of the head</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Treatment of urns</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Hotel, food, travel</td>
<td>$6,000.00</td>
</tr>
<tr>
<td>Documentation &amp; Materials</td>
<td>$4,000.00</td>
</tr>
<tr>
<td>Total Cost</td>
<td>$32,000.00</td>
</tr>
</tbody>
</table>