

CITY OF POMONA
MILLARD SHEETS FOUNTAINS
RESTORATION PROJECT

Artist Introduction, Narrative, Contractor Qualifications

My name is Brian Worley. My history is uniquely linked to Millard Sheets. My grandmother studied with and went on painting excursions led by Millard Sheets. My aunt, Nancy Colbath, worked for Millard Sheets. She was in charge of the mosaic studio and also assisted in painted and ceramic mural production. Beginning in 1967, while attending Pomona College, I worked in the studio part-time. After graduating from college, I left the area for a couple of years but returned to work full time in the studio in 1974 after the sudden death of my aunt. I continued to work there for eight years. During that time, I became proficient in all aspects of mosaic art, was the studio photographer, delivered and oversaw the installation of the mosaic murals, and provided support for Millard in a broad variety of projects.

Because of this history and my local residency, I have been observing the condition of the 2nd Street Mall for decades. In 2016, I contacted the City Community Development Director to propose restoration of the mosaics and was directed to produce a proposal that would cover all aspects of restoration for each fountain. In developing the proposal, I came to the conclusion that partnering with Spectra Company would ensure the provision of expertise needed in every aspect of the restoration scope. I delivered that proposal in December of 2016. Turnover in city management positions and other considerations stalled any action on that proposal, but I believe my actions have contributed to leading the process to its current status. Guiding me in all of this process, is a conviction often emphasized by Millard Sheets that “art is essential to daily life.”

Preservation of the fountains, their art, and history is essential. The process would begin with a revue of their history with the Cultural Arts Commission Citizen’s Advisory Committee to establish project intent for missing or relocated art features and site conditions and realities relative to provision of lighting and plaques. This process would be documented, as would all ongoing processes and ensuing work.

Information on plaques located at each fountain would focus on both history and process-noting any loss of art or changes.

As a pre-qualified artist, I will oversee all aspects of the restoration. My company, Brian Worley Art & Restoration Inc. will be the primary contractor. I am a bonded, state-licensed general contractor, with all required insurance. Spectra Company will act as my sub-contractor. Based upon outcomes of anticipated discussion with the Cultural Arts Commission Citizen's Advisory Committee, it is possible that one or two other sub-contractors (plumbing & electrical) might be required, but my main focus as artist would be the restoration of the mosaics, cleaning and repair of sculptures, possible lighting, and creation of the plaques. Under my supervision, Spectra Company would focus on restoration of travertine, precast concrete, and the re-lining of the pools. An initial inspection of the pumps and discussion with city maintenance personnel indicate that they are in good working order. Replacement is a subject for discussion. Due to budget constraints, I have left lighting out of the final budget, but would want to discuss as part of contingency.

In my thirty-year career in educational facilities planning and construction, I have directly overseen or advised on projects ranging from thousands up to 67 million dollars in cost. During my tenures at the University of La Verne and Claremont Mc Kenna College, I was the campus liaison for the installation of all art-culminating in a large Chris Burden installation at CMC. Recent projects undertaken by my company include removal for preservation of an eighteen-foot by eighty-foot ceramic tile mural at the Port of Long Beach, removal for re-installation of a sixteen-foot by forty foot mosaic mural at the former Santa Monica Home Savings, creation and installation of a eight-foot by thirty-two foot mural at the University of La Verne, and cleaning and restoration of four large mosaic mural walls and an altar mosaic at the Saint Paul the Apostle Catholic Church in Westwood, Ca. My subcontractor, The Spectra Company, is a pre-eminent restoration, preservation, and conservation company with major projects throughout the West Coast.

The following outline reviews estimated costs for scope outlined in the RFP. Please note that due to an inability by staff to provide an answer prior to the submittal deadline, labor costs are calculated based upon prevailing wage.

RESTORATION PROCESS BY FOUNTAIN:

FOUNTAIN #1

FOUNTAIN #1 - ORNAMENTAL CONCRETE RESTORATION

2nd and Locust (South)

Restoration of the concrete around the perimeter of the fountain basin

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Clean historic ornamental concrete utilizing a pressurized water cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 1. Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 2. Water deposit remover: Prosoco T1261 Water Deposit Remover.
 3. Biocide: Jahn D/2 Architectural Antimicrobial.
 4. Rust and scale remover: Prosoco Rust and Scale Remover.
- 1. Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.
- 2. Pressure wash to remove dirt, contaminants, and excess cleaner.
- 3. Remove damaged, deteriorated, and inappropriate mortar.
- 4. Mechanically remove damaged and deteriorated sections of ornamental concrete, exposing deteriorated ferrous metal (rebar) and prepping for patching.
- 5. Mechanically remove rust and deterioration of exposed rebar.
- 6. Immediately treat exposed rebar and stable substrate with Sika Armatec 110 Epocem bonding bridge and reinforcement protection.
- 7. Remove dust and contaminants from the pours of areas to be restored.
- 8. Color match historic ornamental concrete with Jahn Cathedral Stone M90 Concrete Repair Mortar.
- 9. Patch/repair damaged ornamental concrete using Jahn Cathedral Stone M-90 Concrete Repair Mortar, matching the historic ornamental concrete as close as possible.
- 10. Color match historic mortar.
- 11. Repoint missing and removed mortar matching the historic mortar in color, texture, and application.
- 12. Seal with PPK water sealant

Specific Exclusions: Replacement of panels, exposing undamaged rebar, and "character cracks" less than 1/16".

Sub Total - \$ 8,026.80

FOUNTAIN #1 - BASIN WATERPROOFING

Recoating of basin waterproofing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces and fountain sculptures.
- Drain the water feature.
- Using sand blasters, floor grinders and/or hand held grinders; remove the top layer of the existing waterproofing material so that a proper adhesion surface is created.
- Perform ¼-inch cuts along any existing cracks with a diamond saw blade.
- Pressure washing to remove any excess debris or sediment.
- Perform an acid etch into the sidewalls and basin of the waterscape.
- Apply sikaflex primer on all 90-degree angles, corners, and cracks.
- Apply sikaflex caulking to all 90-degree angles, corners and cracks.
- Apply a wet scrub coat of mixed Miraflex membrane C onto the surface and immediately apply Miracote poly fabric and 60 mils WFT of Miraflex membrane C, encapsulating the fabric.
- Mix Miraflex membrane C liquid and Miraflex membrane C powder.
- Apply the first coat of Miraflex membrane product via trowel throughout the entire water feature.
- Return 24 hours later, mix and apply (60 mils thickness) the second coat of Miraflex membrane C via trowel throughout the entire waterscape.
- Curing period will take up to 2 days before the water feature can be refilled and start up operations performed.

Specific Exclusions: Mechanical/electrical fountain equipment, unforeseen problems with the substrate.

Sub Total - \$ 9,927.00

FOUNTAIN #1- TRAVERTINE RESTORATION

Restoration of travertine panels to include:

- A. Cleaning
- B. Infill of losses and pitting.
- C. Rehoning

d. Sealing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Strip faulty and deteriorated sealer with Miracle Mira Strip.
- Remove large chunks of debris with non metallic tools.
- Clean historic stone utilizing a “low” pressurized water wash.
- Apply poultice cleaner to remove embedded staining
- Reset loose and dislodged stone. Secure loose stone with a Helifix anchoring system.
- Patch losses and pitting with Jahn Cathedral Stone M-120 Marble Repair Mortar. Patches to match adjacent surfaces as close as possible.
- Patch cracks with Scotco Marble Repair Glue and tinting system matching the existing stone as close as possible.
- Polish with low grit diamonds and a progressive honing technique to restore the original finish to the surface.
- Color match historic mortar.
- Re-point missing and removed mortar matching the original grout as close as possible in color, texture, and application.
- Apply two (2) coats of “511” impregnating sealer.

*One mock up to be provided for approval prior to restoration.

Specific Exclusions: Stone replacement, structural work, removal of sound stone.

Sub Total - \$10,944.40

FOUNTAIN #1—DOLPHIN SCULPTURE CLEANING AND REPAIR

Re-attach missing fin and clean bronze sculpture.

Sub Total-- \$6,258

FOUNTAIN #1—PLAQUE

Create and install black granite photo-etched identification plaque.

Sub Total- \$1,800

FOUNTAIN #2

FOUNTAIN #2 - HISTORIC MOSAIC TILE RESTORATION

Restoration of the historic Milliard Sheets glass tile mosaic.

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Remove any adhered debris with non metallic tools.
- Clean historic glass tile utilizing a pressurized water chemical cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 1. Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 2. Water deposit remover: Prosoco T1261 Water Deposit Remover.
 3. Biocide: Jahn D/2 Architectural Antimicrobial.
 4. Rust and scale remover: Prosoco Rust and Scale Remover.

Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.

Pressure wash to remove dirt, contaminants, and excess cleaner.

Remove damaged, deteriorated, and inappropriate mortar.

Remove and reset pieces dislodged by expansion of rusted reinforcing or other causes.

Using a conservationist approach, remove and replace excessively damaged tiles with new "in-kind" replacements.

RegROUT mosaic and stain in accordance with Milliard Sheets approved studio practices.

Seal with Prosoco Sure Klean "Weather Seal" Siloxane WB.

Sub Total - \$14,950.00

FOUNTAIN #2 - ORNAMENTAL CONCRETE RESTORATION

Restoration of the concrete around the perimeter of the fountain basin

- Prepare for restoration protecting adjacent surfaces.
- Clean historic ornamental concrete utilizing a pressurized water cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:

- Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 - Water deposit remover: Prosoco T1261 Water Deposit Remover.
 - Biocide: Jahn D/2 Architectural Antimicrobial.
 - Rust and scale remover: Prosoco Rust and Scale Remover.
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- Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.
 - Pressure wash to remove dirt, contaminants, and excess cleaner.
 - Remove damaged, deteriorated, and inappropriate mortar.
 - Mechanically remove damaged and deteriorated sections of ornamental concrete, exposing deteriorated ferrous metal (rebar) and prepping for patching.
 - Mechanically remove rust and deterioration of exposed rebar.
 - Immediately treat exposed rebar and stable substrate with Sika Armatec 110 Epocem bonding bridge and reinforcement protection.
 - Remove dust and contaminants from the pours of areas to be restored.
 - Color match historic ornamental concrete with Jahn Cathedral Stone M90 Concrete Repair Mortar.
 - Patch/repair damaged ornamental concrete using Jahn Cathedral Stone M-90 Concrete Repair Mortar, matching the historic ornamental concrete as close as possible.
 - Color match historic mortar.
 - Repoint missing and removed mortar matching the historic mortar in color, texture, and application.
 - Seal with PPK water sealant

Specific Exclusions: Replacement of panels, exposing undamaged rebar, and "character cracks" less than 1/16".

Sub Total - \$ 9,727.60

FOUNTAIN #2 - BASIN WATERPROOFING

Recoating of basin waterproofing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces and fountain sculptures.
- Drain the water feature.
- Using sand blasters, floor grinders and/or hand held grinders; remove the top layer of the existing waterproofing material so that a proper adhesion surface is created.

- Perform 1/4-inch cuts along any existing cracks with a diamond saw blade.
- Pressure washing to remove any excess debris or sediment.
- Perform an acid etch into the sidewalls and basin of the waterscape.
- Apply sikaflex primer on all 90-degree angles, corners, and cracks.
- Apply sikaflex caulking to all 90-degree angles, corners and cracks.
- Apply a wet scrub coat of mixed Miraflex membrane C onto the surface and immediately apply Miracote poly fabric and 60 mils WFT of Miraflex membrane C, encapsulating the fabric.
- Mix Miraflex membrane C liquid and Miraflex membrane C powder.
- Apply the first coat of Miraflex membrane product via trowel throughout the entire water feature.
- Return 24 hours later, mix and apply (60 mils thickness) the second coat of Miraflex membrane C via trowel throughout the entire waterscape.
- Curing period will take up to 2 days before the water feature can be refilled and start up operations performed.

Specific Exclusions: Mechanical/electrical fountain equipment, unforeseen problems with the substrate.

Sub Total - \$ 9,927.00

FOUNTAIN #2- TRAVERTINE RESTORATION

Restoration of travertine panels to include:

- A. Cleaning
- B. Infill of losses and pitting.
- C. Rehoning
- d. Sealing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Strip faulty and deteriorated sealer with Miracle Mira Strip.
- Remove large chunks of debris with non metallic tools.
- Clean historic stone utilizing a “low” pressurized water wash.
- Apply poultice cleaner to remove embedded staining
- Reset loose and dislodged stone. Secure loose stone with a Helifix anchoring system.
- Patch losses and pitting with Jahn Cathedral Stone M-120 Marble Repair Mortar. Patches to match adjacent surfaces as close as possible.

- Patch cracks with Scotco Marble Repair Glue and tinting system matching the existing stone as close as possible.
- Polish with low grit diamonds and a progressive honing technique to restore the original finish to the surface.
- Color match historic mortar.
- Re-point missing and removed mortar matching the original grout as close as possible in color, texture, and application.
- Apply two (2) coats of “511” impregnating sealer.

*One mock up to be provided for approval prior to restoration.

Specific Exclusions: Stone replacement, structural work, removal of sound stone.

Sub Total - \$13,378.00

FOUNTAIN #2—PLAQUE

Create and install black granite photo-etched identification plaque.

Sub Total- \$1,800

FOUNTAIN #3

FOUNTAIN #3 - ORNAMENTAL CONCRETE RESTORATION

Restoration of the concrete around the perimeter of the fountain basin

- Prepare for restoration protecting adjacent surfaces.
- Clean historic ornamental concrete utilizing a pressurized water cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 - Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 - Water deposit remover: Prosoco T1261 Water Deposit Remover.
 - Biocide: Jahn D/2 Architectural Antimicrobial.
 - Rust and scale remover: Prosoco Rust and Scale Remover.
- Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.
- Pressure wash to remove dirt, contaminants, and excess cleaner.
- Remove damaged, deteriorated, and inappropriate mortar.

- Mechanically remove damaged and deteriorated sections of ornamental concrete, exposing deteriorated ferrous metal (rebar) and prepping for patching.
- Mechanically remove rust and deterioration of exposed rebar.
- Immediately treat exposed rebar and stable substrate with Sika Armatec 110 Epocem bonding bridge and reinforcement protection.
- Remove dust and contaminants from the pours of areas to be restored.
- Color match historic ornamental concrete with Jahn Cathedral Stone M90 Concrete Repair Mortar.
- Patch/repair damaged ornamental concrete using Jahn Cathedral Stone M-90 Concrete Repair Mortar, matching the historic ornamental concrete as close as possible.
- Color match historic mortar.
- Repoint missing and removed mortar matching the historic mortar in color, texture, and application.
- Seal with PPK water sealant

Specific Exclusions: Replacement of panels, exposing undamaged rebar, and "character cracks" less than 1/16".

Sub Total - \$ 9,243.60

FOUNTAIN #3 - BASIN WATERPROOFING

Recoating of basin waterproofing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces and fountain sculptures.
- Drain the water feature.
- Using sand blasters, floor grinders and/or hand held grinders; remove the top layer of the existing waterproofing material so that a proper adhesion surface is created.
- Perform 1/4-inch cuts along any existing cracks with a diamond saw blade.
- Pressure washing to remove any excess debris or sediment.
- Perform an acid etch into the sidewalls and basin of the waterscape.
- Apply sikaflex primer on all 90-degree angles, corners, and cracks.
- Apply sikaflex caulking to all 90-degree angles, corners and cracks.
- Apply a wet scrub coat of mixed Miraflex membrane C onto the surface and immediately apply Miracote poly fabric and 60 mils WFT of Miraflex membrane C, encapsulating the fabric.
- Mix Miraflex membrane C liquid and Miraflex membrane C powder.

- Apply the first coat of Miraflex membrane product via trowel throughout the entire water feature.
- Return 24 hours later, mix and apply (60 mils thickness) the second coat of Miraflex membrane C via trowel throughout the entire waterscape.
- Curing period will take up to 2 days before the water feature can be refilled and start up operations performed.

Specific Exclusions: Mechanical/electrical fountain equipment, unforeseen problems with the substrate.

Sub Total - \$ 9,927.00

FOUNTAIN #3- TRAVERTINE RESTORATION

Restoration of travertine panels to include:

- A. Cleaning
- B. Infill of losses and pitting.
- C. Rehoning
- d. Sealing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Strip faulty and deteriorated sealer with Miracle Mira Strip.
- Remove large chunks of debris with non metallic tools.
- Clean historic stone utilizing a “low” pressurized water wash.
- Apply poultice cleaner to remove embedded staining
- Reset loose and dislodged stone. Secure loose stone with a Helifix anchoring system.
- Patch losses and pitting with Jahn Cathedral Stone M-120 Marble Repair Mortar. Patches to match adjacent surfaces as close as possible.
- Patch cracks with Scotco Marble Repair Glue and tinting system matching the existing stone as close as possible.
- Polish with low grit diamonds and a progressive honing technique to restore the original finish to the surface.
- Color match historic mortar.
- Re-point missing and removed mortar matching the original grout as close as possible in color, texture, and application.
- Apply two (2) coats of “511” impregnating sealer.

*One mock up to be provided for approval prior to restoration.

Specific Exclusions: Stone replacement, structural work, removal of sound stone.

Sub Total - \$10,944.40

FOUNTAIN #3—CLEANING AND SEALING OF SCULPTURE

Sub Total- \$1,250

FOUNTAIN #3—PLAQUE

Create and install black granite photo-etched identification plaque.

Sub Total- \$1,800

BENCH/SITE WALL RESTORATION

Restoration of stone masonry site walls with precast benches to include:

- A. Cleaning
- B. Infill of losses and pitting
- C. Rehoning
- D. Repointing mortar at stone site walls
- E. Sealing

Restoration of the concrete around the perimeter of the fountain basin

- Prepare for restoration protecting adjacent surfaces.
- Clean historic ornamental concrete utilizing a pressurized water cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 - Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 - Water deposit remover: Prosoco T1261 Water Deposit Remover.
 - Biocide: Jahn D/2 Architectural Antimicrobial.
 - Rust and scale remover: Prosoco Rust and Scale Remover.
 - Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.
 - Pressure wash to remove dirt, contaminants, and excess cleaner.
 - Remove damaged, deteriorated, and inappropriate mortar.
 - Mechanically remove damaged and deteriorated sections of ornamental concrete, exposing deteriorated ferrous metal (rebar) and prepping for patching.
 - Mechanically remove rust and deterioration of exposed rebar.

- Immediately treat exposed rebar and stable substrate with Sika Armatec 110 Epocem bonding bridge and reinforcement protection.
- Remove dust and contaminants from the pours of areas to be restored.
- Color match historic ornamental concrete with Jahn Cathedral Stone M90 Concrete Repair Mortar.
- Patch/repair damaged ornamental concrete using Jahn Cathedral Stone M-90 Concrete Repair Mortar, matching the historic ornamental concrete as close as possible.
- Color match historic mortar.
- Repoint missing and removed mortar matching the historic mortar in color, texture, and application.
- Seal with PPK water sealant

Specific Exclusions: Replacement of panels, exposing undamaged rebar, and "character cracks" less than 1/16".

Sub Total - \$15,487.12

FOUNTAIN #4

FOUNTAIN #4 - HISTORIC MOSAIC TILE RESTORATION

Restoration of the historic Jean Ames glass tile mosaic.

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Remove any adhered debris with non metallic tools.
- Clean historic glass tile utilizing a pressurized water chemical cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 5. Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 6. Water deposit remover: Prosoco T1261 Water Deposit Remover.
 7. Biocide: Jahn D/2 Architectural Antimicrobial.
 8. Rust and scale remover: Prosoco Rust and Scale Remover.

Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.

Pressure wash to remove dirt, contaminants, and excess cleaner.

Remove damaged, deteriorated, and inappropriate mortar.

Remove and reset pieces dislodged by expansion of rusted reinforcing or other causes.

Using a conservationist approach, remove and replace excessively damaged tiles with new "in-kind" replacements.

RegROUT mosaic and stain in accordance with Milliard Sheets approved studio practices.

Seal with Prosoco Sure Klean "Weather Seal" Siloxane WB.

Sub Total - \$13,808.00

FOUNTAIN #4 - ORNAMENTAL CONCRETE RESTORATION

Restoration of the concrete around the perimeter of the fountain basin

- Prepare for restoration protecting adjacent surfaces.
- Clean historic ornamental concrete utilizing a pressurized water cleaning approach.
- Saturate with water and keep wet through cleaning process
- Apply restoration cleaners, as required, to include:
 - Masonry cleaner: Prosoco Enviro Klean EK Restoration Cleaner.
 - Water deposit remover: Prosoco T1261 Water Deposit Remover.
 - Biocide: Jahn D/2 Architectural Antimicrobial.
 - Rust and scale remover: Prosoco Rust and Scale Remover.
- Using cleaner, scrub with natural bristle brush to remove dirt, atmospheric soiling, biological growth, contaminants, and staining of ornamental concrete, to restore to a condition as close to original as possible.
- Pressure wash to remove dirt, contaminants, and excess cleaner.
- Remove damaged, deteriorated, and inappropriate mortar.
- Mechanically remove damaged and deteriorated sections of ornamental concrete, exposing deteriorated ferrous metal (rebar) and prepping for patching.
- Mechanically remove rust and deterioration of exposed rebar.
- Immediately treat exposed rebar and stable substrate with Sika Armatec 110 Epocem bonding bridge and reinforcement protection.
- Remove dust and contaminants from the pours of areas to be restored.
- Color match historic ornamental concrete with Jahn Cathedral Stone M90 Concrete Repair Mortar.

- Patch/repair damaged ornamental concrete using Jahn Cathedral Stone M-90 Concrete Repair Mortar, matching the historic ornamental concrete as close as possible.
- Color match historic mortar.
- Repoint missing and removed mortar matching the historic mortar in color, texture, and application.
- Seal with PPK water sealant

Specific Exclusions: Replacement of panels, exposing undamaged rebar, and "character cracks" less than 1/16".

Sub Total - \$10,944.40

FOUNTAIN #4 - BASIN WATERPROOFING

Recoating of basin waterproofing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces and fountain sculptures.
- Drain the water feature.
- Using sand blasters, floor grinders and/or hand held grinders; remove the top layer of the existing waterproofing material so that a proper adhesion surface is created.
- Perform 1/4-inch cuts along any existing cracks with a diamond saw blade.
- Pressure washing to remove any excess debris or sediment.
- Perform an acid etch into the sidewalls and basin of the waterscape.
- Apply sikaflex primer on all 90-degree angles, corners, and cracks.
- Apply sikaflex caulking to all 90-degree angles, corners and cracks.
- Apply a wet scrub coat of mixed Miraflex membrane C onto the surface and immediately apply Miracote poly fabric and 60 mils WFT of Miraflex membrane C, encapsulating the fabric.
- Mix Miraflex membrane C liquid and Miraflex membrane C powder.
- Apply the first coat of Miraflex membrane product via trowel throughout the entire water feature.
- Return 24 hours later, mix and apply (60 mils thickness) the second coat of Miraflex membrane C via trowel throughout the entire waterscape.
- Curing period will take up to 2 days before the water feature can be refilled and start up operations performed.

Specific Exclusions: Mechanical/electrical fountain equipment, unforeseen problems with the substrate.

Sub Total - \$ 9,927.00

FOUNTAIN #4- TRAVERTINE RESTORATION

Restoration of travertine panels to include:

- A. Cleaning
- B. Infill of losses and pitting.
- C. Rehoning
- d. Sealing

HISTORIC RESTORATION TREATMENT PROCEDURES - AS REQUIRED

- Prepare for restoration protecting adjacent surfaces.
- Strip faulty and deteriorated sealer with Miracle Mira Strip.
- Remove large chunks of debris with non metallic tools.
- Clean historic stone utilizing a “low” pressurized water wash.
- Apply poultice cleaner to remove embedded staining
- Reset loose and dislodged stone. Secure loose stone with a Helifix anchoring system.
- Patch losses and pitting with Jahn Cathedral Stone M-120 Marble Repair Mortar. Patches to match adjacent surfaces as close as possible.
- Patch cracks with Scotco Marble Repair Glue and tinting system matching the existing stone as close as possible.
- Polish with low grit diamonds and a progressive honing technique to restore the original finish to the surface.
- Color match historic mortar.
- Re-point missing and removed mortar matching the original grout as close as possible in color, texture, and application.
- Apply two (2) coats of “511” impregnating sealer.

*One mock up to be provided for approval prior to restoration.

Specific Exclusions: Stone replacement, structural work, removal of sound stone.

Sub Total - \$13,378.00

FOUNTAIN #4—PLAQUE

Create and install black granite photo-etched identification plaque.

Sub Total- \$1,8

SUMMARY OF ESTIMATES

FOUNTAIN #1 - ORNAMENTAL CONCRETE RESTORATION.....	\$ 8,026.80
FOUNTAIN #1 - BASIN WATERPROOFING	\$ 9,927.00
FOUNTAIN #1- TRAVERTINE RESTORATION.....	\$10,944.40
FOUNTAIN #1- DOLPHIN SCULPTURE CLEANING & REPAIR,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$ 6,258.00
FOUNTAIN #2 - HISTORIC MOSAIC TILE RESTORATION.....	\$14,950.00
FOUNTAIN #2 - ORNAMENTAL CONCRETE RESTORATION.....	\$ 9,727.60
FOUNTAIN #2 - BASIN WATERPROOFING	\$ 9,927.00
FOUNTAIN #2- TRAVERTINE RESTORATION.....	\$13,378.00
FOUNTAIN #3 - ORNAMENTAL CONCRETE RESTORATION.....	\$ 9,243.60
FOUNTAIN #3 - BASIN WATERPROOFING	\$ 9,927.00
FOUNTAIN #3- TRAVERTINE RESTORATION.....	\$10,944.40
FOUNTAIN #3- SCULPTURE CLEANING AND SEALING.....	\$ 1,250.00
BENCH/SITE WALL RESTORATION	\$15,487.12
FOUNTAIN #4 - HISTORIC MOSAIC TILE RESTORATION.....	\$13,800.00
FOUNTAIN #4 - ORNAMENTAL CONCRETE RESTORATION.....	\$10,944.40
FOUNTAIN #4 - BASIN WATERPROOFING	\$ 9,927.00
FOUNTAIN #4- TRAVERTINE RESTORATION.....	\$13,378.00
ALLOWANCE FOR PLAQUES FOR EACH FOUNTAIN.....	\$ 7,200.00

Total - \$185,240.32

General Contractor P&L Mark-Up (10%)	18,524.00
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Estimated Total- \$203,764.32