A. GENERAL INFORMATION

Restruction Corporation was founded in 1975 as a contractor with expertise in concrete repair materials including epoxies and specialty cements. The company has maintained a specialty focus with growth into areas of structural repair and structural strengthening. Restruction has offices and performs work in Tempe, AZ, Salt Lake City, Utah, and Sedalia, Colorado while also providing services to the Western part of the United States. The majority of our officers are Engineering graduates from the School of Mines & Technology. Our collaborative experience with SRP and our second to none problem solving skills, provides the right mix of people, expertise, and capacity to meet the needs of the City and community during the rehabilitation of this important structure.

A.1. CONTACT INFORMATION

Restruction Corporation
2125 South Priest Drive Suite 302
Tempe, AZ 85282
Point of Contact:
Adam Zius 480-557-9174
azius@restruction.com
Aaron Milnes 480-557-9174
amilnes@restruction.com

A.2. MISSION STATEMENT

We are team oriented with a respect for all parties involved in the structural repair process and look forward to working with you. Restruction is committed to each client's needs by providing structural repair services with exceptional quality and value while building on: Our reputation for innovation and excellence in the field of structural repair, the capabilities of our people, their knowledge, skills and craftsmanship, and our unfailing commitment to

A.2. MISSION STATEMENT CONTINUED

solving a diversity of problems. Fulfilling this commitment will produce growth, profitability and diversification for the company together with opportunity, challenge and security for its employees.

A.3. LICENSES

Arizona Class A, General Engineering Construction License (License No. 296053) held by the firm.

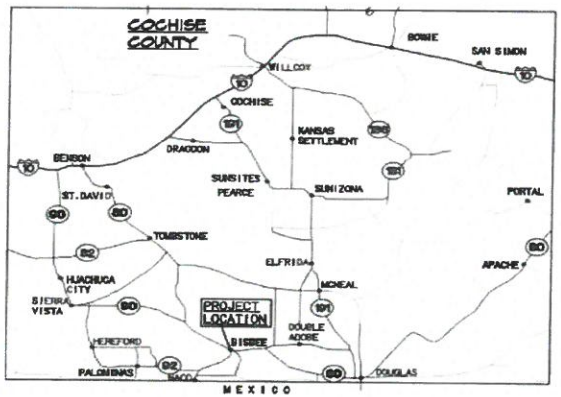
A.4. TERMINATED CONTRACTS

No contract or subcontract held by the firm or offices have been terminated in the last 5 years. No Claims, litigation or arbitration have arisen in the last 5 years.

A.5. PROJECT INFORMATION

NAME: BRIDGE REPLACEMENT COCHISE CO. SUPERIOR COURTHOUSE

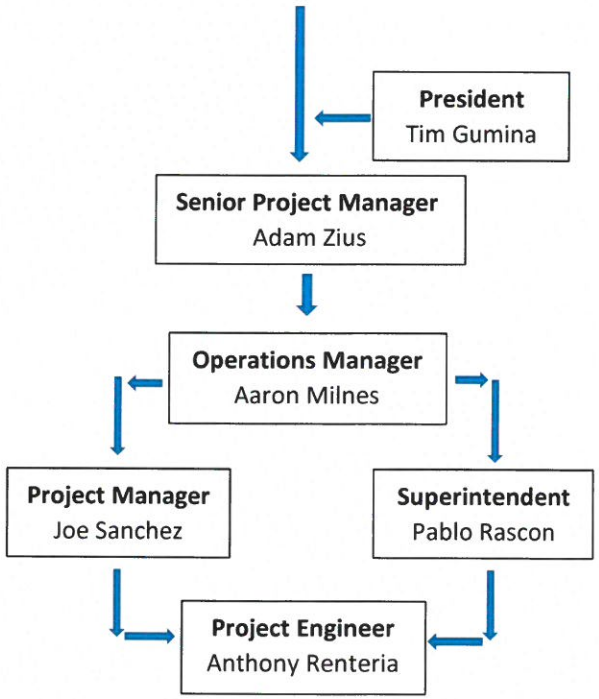
LOCATION: Bisbee, AZ



B.1. KEY PERSONNEL

Reporting directly to Cochise County and with full responsibility for the execution of the project, Adam Zius will lead the efforts of the Restruction team. He will be directly supported by Tim Gumina and a lean and agile team of constructors, specialists, and experts who will implement creative and resourceful problem solving and astute project management to meet the goals of the project.

Flow Chart



B.1. KEY PERSONNEL CONTINUED

Name/Role Overall Years' Experience/ With Firm	Unique Qualification	Key Role & Benefit to the Project % Committed to Each Phase
Adam Zius *Senior Project Manager* 20/14	Responsible for troubleshooting, estimating, securing and managing the structural repair projects throughout Arizona. Past projects include highly specialized repairs at stadiums, airports, industrial and commercial complexes, parking structures, and college campuses. Specific high-profile repair projects include ASU Sun Devil Stadium, Chase Field, Sky Harbor Airport, and ASU Memorial Union	Involved heavily in the preconstruction phase of the project. Oversees negotiation of GMP and execution of all preconstruction planning in the execution of work in the field. Experience in previous stadium repairs will prove vital. Pre-Con %50 Const %50
Aaron Milnes *Operations Manager* 23/12	Responsible for managing Restruction Corporation's skilled and talented crews. He is also directly involved in project scheduling, subcontractor management, client relations and coordination with the Engineer of Record on his projects. Aaron has experience with structural repairs including concrete repair, steel repair, hydro demolition, and concrete overlays.	Participates in design task force efforts for constructability, value engineering, and schedule validity. Leads "design-to-field" efforts ensuring the design intent is matched with the best construction means and methods. Pre-Con %50 Const %50
Pablo Rascon *Superintendent* 25/4	In charge of the crew and everyday operations out in the field. Has significant general heavy civil construction experience with an emphasis on structures, allowing him to innovate and implement solutions that take the entire project scope into account. Pablo works directly with Aaron Milnes and implements the safety policies in the field on the project. Pablo is a certified shotcrete installer.	Manages and supervises the field crews and works directly with Aaron Milnes to ensure the design intent is matched with the best construction means and methods. Understands the value of safety and production. Pre-Con %0 Const %100
Joe Sanchez *Project Manager* 8/8	Seasoned project manager that has worked on stadium, mining, high rise, airport, university, parking garage, and multiple industrial and commercial projects. Experience troubleshooting, estimating, securing and managing structural repair projects throughout Arizona and New Mexico.	Involved heavily in the preconstruction and construction phases. Daily point of contact for the City and manager for everyday activities during construction. Provides weekly updates and schedules weekly meetings for the entire team. Pre-Con %100 Const %100
Anthony Renteria *Project Engineer* 4/2	Graduate from the South Dakota School of Mines & Technology, Anthony has a wide knowledge and skill in problem solving, communication, and production processes to support the entire Restruction team on projects. Experience with technology and a passion for safety procedures.	Responsible for quantity and schedule tracking during construction. Participates in design task force efforts for constructability and value engineering. Emphasizes safety policies and procedures in the field. Pre-Con %0 Const %100

B.2. PAST EXPERIENCE

B.2.SCOPE OF WORK

GENERAL SCOPE COMMENTS:

- Testing of concrete, subgrade compaction and termite treatment included for scope for scopes where necessary.
- Special inspection are assumed to be paid for by owner, Cochise County, and scheduled by Restruction. Restruction does not have costs for special inspections covered due to conflict of interest should we hire the special inspector.

Mobilization/Demobilization

- Mobilize all equipment and materials and set up safe work area.
- Fencing to be installed around work area to provide a safe perimeter around site work.
- Fencing to be removed from site after work is finalized and punched out.
- Demobilize all equipment and materials and provide final cleanup.

Shoring and Temporary Access

- Shoring to be designed and submitted for approval.
- Install shoring to bottom of bridge deck. 11 shoring locations at 2 frames in height per location.
- Access enclosure plan to be submitted for approval.
- Build plywood enclosure to provide access to lower entrance during construction. Temporary lighting to be included in walkway during construction process. Est 48 LF of covered walkway.
- Provide access for upper man door per sheet A-1 Key Note 2B.
- Remove all shoring and temporary access after final completion.

Foundation Repairs at Building – Detail 1/S2.2

- Saw cut perimeter of concrete slab and demo slab on grade to access subgrade. Est. 52 CF.
- Excavate soil to exposed existing footing. Estimated 312 CF.
- Remove stucco from concrete typical at all locations where new construction abuts to existing construction. Est. 30 SF.
- Install #4 dowels into existing footing Est. 10 each.
- Tie rebar in new foundation addition per details.
- Form face of new foundation addition. Est. 78 SF.
- Place ready mix per specifications on S0.1, into repair cavity for new foundation addition. Est. 7 YD.
- Strip forms from the addition to the foundation 78 SF.
- Backfill with ABC road base, compact and place back slab on grade over foundation addition.

Foundation Repairs at Retaining Wall – Detail 2/S2.2

- Saw cut perimeter of concrete slab and demo slab on grade per excavation 1 as identified on S1.1. Est. 20 CF.

- Excavate soil to gain access to footing per excavation 1 as identified on S1.1. Estimated 81 CF.
- Remove stucco from concrete typical at all locations where new construction abuts to existing construction. Est. 30 SF.
- Install #4 dowels into existing footing at excavation location 1 per detail S1.1 Est. 5 each.
- Tie rebar in new foundation addition per details in pour 1.
- Form face of new foundation addition in pour 1. Est. of 44 SF.
- Place ready mix per specifications on S0.1, into repair cavity for new foundation addition pour locations 1 as identified on S1.1. Est. of 2 YD.
- Saw cut perimeter of concrete slab and demo slab on grade per excavation 2 as identified on S1.1. Est. 20 CF.
- Excavate soil to gain access to footing per excavation 2 as identified on S1.1. Estimated 81 CF.
- Remove stucco from concrete typical at all locations where new construction abuts to existing construction. Est. 30 SF.
- Install #4 dowels into existing footing at excavation location 2 per detail S1.1 Est. 5 each.
- Tie rebar in new foundation addition per details in pour 2.
- Form face of new foundation addition in pour 2. Est. of 44 SF.
- Place ready mix per specifications on S0.1, into repair cavity for new foundation addition pour locations 1 as identified on S1.1. Est. of 2 YD.

Remove Existing Concrete at Bridge Walkway – Est 808 SF

- Saw cut perimeter of bridge walkway along the spandrel beams, building and foundation wall to free walkway slab from the majority of the structure. Est 115 LF.
- Saw cut slab into pieces to pick and haul away. Concrete will be supported by previously installed and approved shoring plan.
- Detail excavate concrete at perimeter of walkway and over top of existing beams. Estimated 58 CF.

Install New Column Pedestals, Columns, Beam and Trusses – Details on Sheets S2.1 and S2.2

- Set new columns to support new beams and trusses. Est 8 EA.
- Install grout under new columns at 8 locations.
- Tie rebar at new pedestals at 8 locations.
- Form new pedestals an Est. 90 SF.
- Place specified ready mix concrete at pedestals, cure and strip forms. Est. of 2 YD.
- Install #4 dowels for all perimeter angles per details 3-6/S2.2.Est.116 EA.
- Install #4 dowels at the double angles on each end of new beams and trusses. Est. 48 EA.
- Install all angles per details to prepare for metal deck installation.
- Using a reach fork or boom truck, install pre-fabricated beams and trusses. Est. 6 EA.

Install Metal Decking and Concrete Topping – S1.1 and S2.1

- Install metal decking as detailed on sheets S1.1 and S2.1

- Install #4 dowels at perimeter of metal decking per detail 5/S2.2 Est. 34 EA.
- Install #4 dowels at existing beams per details 7/S2.3 and 8/S2.3. Est. 52 EA.
- Weld steel forms at side of beams in preparation for concrete placement. Est. 52 LF.
- Tie rebar over metal decking per details and not 1 S1.1.
- Place specified concrete ready mix over new metal deck system. Est. 45 YD.

Demo Concrete Ramp, Place New Ramp, Install New Bollards, and Handrails – Sheet A-2

- Demo existing ramp and stairs. Est. of 61 CF.
- Excavate soil below existing ramp and stairs to allow for new ABC road base to be installed and compacted. Est. of 81 CF.
- Excavate soil for bollards an Est. of 12 CF.
- Place ABC road base and compact. Est of 81 CF.
- Form perimeter of new ramp and stairs. Est. of 31 SF.
- Place new ramp, stairs, and bollards. Est. of 6 YD.
- Core and set new handrails per A-2. Est. of 6 EA.
- Strip forms after cure and install new asphalt at perimeter of ramp where disturbed. Est. of 31 SF.

Install New Sealant and Traffic Coating – A-1 Specs 7.1 and 9.1

- Install sealant at perimeter of the new bridge deck and control joints. Est. 230 LF
- Install moisture mitigation primer to suppress potential vapor drive created by metal deck underneath. Est. 808 SF.
- Install elastomeric traffic coating base coat material as a full detail coat over entire bridge deck, control joints and construction joints to provide additional performance over movement joints. Est. of 808 SF.
- Install elastomeric traffic coating base coat over bridge deck and terminate up on vertical face of perimeter. Est. of 808 SF.
- Install elastomeric traffic coating UV stable top coat over bridge deck and terminate up on vertical face of perimeter. Est. of 808 SF.

Install New Light and Conduit

- Existing light to be removed by owner.
- Installation of new light and conduit to nearest breaker box or power supply. Currently estimated to tie into power at lower entrance under pedestrian bridge.

Painting and Stucco

- Paint bottom of metal deck, new beams and trusses per spec 9.2 on A-1.
- Patch stucco as close as possible where damaged and paint vertical walls under pedestrian bridge. Match to be very similar but may not be an exact match.