ARIZONA DEPARTMENT OF TRANSPORTATION

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October 27, 2026



ADDENDUM

No. 2

TO ALL CONTRACTORS AND OTHERS INTERESTED IN PROJECT

0000 CH CCH T0497 01C
CCH-(207)T
COCHISE COUNTY
DAVIS RD; MP5

SCHEDULED FOR BID OPENING ON
FRIDAY, NOVEMBER 13, 2026, AT 11:00 A.M. (M.S.T.)

REVISIONS TO THE SPECIAL PROVISIONS:

On Page 26 of 219:

Temporary Paving: is revised to read:

The temporary surfacing for detour road shall consist of 4 inches of AC (Misc. Structural) placed over compacted subgrade. The AC shall be as specified in Section 409 of the Specifications.

At a time specified by the Engineer, the bituminous surfacing shall be removed as specified. The remaining area once occupied by the detour pavement shall be reshaped and regraded as nearly practicable to the original conditions.

The temporary paving shall be removed, and the natural subgrade shall be restored as nearly as practicable to the condition existing prior to the construction of the temporary paving. Class II seeding shall be applied as detailed in the project plans and the Specifications.

On Pages 119 to 124 of 219:

Delete the Specifications 6012020 PRECAST BRIDGE (ARCH STRUCTURE) (AT MP 5) in its entirety and replace it with the following and be guided accordingly:

6012020 PRECAST BRIDGE (ARCH STRUCTURE) (AT MP 5):

1.0 Description:

The work under these items shall consist of furnishing, constructing and installing precast arch structures, precast headwalls, and precast wingwalls to the size and dimensions as shown on the plans. These items include cast-in-place foundations, drainage and structural excavation; placement of bedding material; furnishing, placing, and compacting structural backfill material, all in accordance with the details shown on the plans and the requirements of these specifications and the manufacturer.

The List below, in no particular order, are three precast arch culvert manufacturers that provide/supply product that may meet project requirements and are available to the contractor; however, this list should not be considered complete. Other precast arch culvert manufacturers may be available to the contractor as well as other construction alternatives that can be presented to the Engineer for review and consideration as an approved equal.

CONTECH Engineered Solutions LLC
12550 West Butler Drive
El Mirage, Arizona 85335
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Mob: 602-377-5347
jbacigalupi@conteches.com

SFC BRIDGE SYSTEMS
P.O. Box 15580
Fort Worth, Texas 76119
Attn: Jeff Harwell
214-717-1773
jharwell@sfcbridge.com

ECOSPAN ARCH SYSTEMS
17 Atlantic Ave.
Hancock, Minnesota 56244 (Corporate)
Attn: Jeff Von Handorf (Preteck Group)
Off: 800-241-0925
Desk: 937-771-1048
Mob: 937-623-0733

jvonhandorf@preteckgroup.com

2.0 Materials:

Precast Arch Structure:

Precast reinforced concrete three-sided structures shall be multiple single piece precast three-sided sections designed in accordance with Section 12.14 of the AASHTO LRFD Bridge Design Specifications and manufactured in accordance with ASTM C 1504: Standard Specification for Manufacture of Precast Reinforced Concrete Three-Sided Structures for Culverts and Storm Drains. Concrete shall be class 'S' with a compressive strength of f'c = as required by the fabricator but not less than 4,500 psi. Reinforcing steel shall conform to Section 1003 of the Specifications.

Leveling Pads / Shims:

The precast arch units and wingwalls shall be set on leveling pads / shims per the manufacturer's requirements.

Cast-in-Place Footings/Foundations:

The cast-in-place concrete footing shall be class 'S' and shall have a minimum compressive strength f'c = 3,000 psi or as required by the fabricator. Reinforcing steel shall be per ASTM A615, Grade 60.

Jointing Materials:

All joints between precast arch units shall be watertight. The butt joint made by two adjoining precast arch units shall be sealed and wrapped per the manufacturer's requirements. The sealant material shall be a long-lasting silicone, mastic, asphalt, tar or other material that is acceptable to the manufacturer and approved by the Engineer. Long lasting joint materials shall have material life greater than 50 years. The contractor shall submit all joint sealer specifications to the Engineer for approval prior to construction. The wrap shall meet ASTM C 877. In addition, the joints between the end culvert unit and the precast headwall shall also be sealed per the manufacture's requirements. Also, if lift holes are formed in the culvert units, they shall be primed and covered with joint wrap meeting ASTM C 877.

3.0 Construction Requirements:

Precast Arch Structure:

Placement of the precast arch units shall be in accordance with the manufacturer's installation requirements. The contractor shall arrange a preconstruction meeting with the manufacturer and the installation crew. The manufacturer shall provide a field consultant at the job site for the construction of the foundation and keyway, the

installation of the precast arch units, and backfilling the bridge.

Precast arch structures are designated by the span (clear distance between the arch walls) and the rise (from the top of footing to the soffit). The earth cover shall be considered by the manufacturer in the structural design of the precast arch units.

Cast-in-Place Footings/Foundations:

The precast arch units, headwalls, and wingwalls shall be installed on cast-in-place concrete footings. The cast-in-place footings shall be designed by the manufacturer and shop drawings shall be submitted to the Engineer for approval. Refer to the project Geotechnical Report for allowable bearing pressure. Special consideration shall be given to the design of the cast-in-place foundations and their relationship to the scour depth. The scour depth, as shown on the plans, represents the depth of scour calculated based on assumed footing widths along the base of the concrete arch structures, resulting in an unobstructed scour width. If this unobstructed scour width is narrowed or widened, the associated scour depth will change. The contractor shall verify the scour depth associated with the manufacturer's foundation design prior to construction operations.
The elevation of the footings shall be as shown on the project plans. A keyway shall be formed in the top surface of the culvert footing as specified by the manufacturer.

Prior to installation of the arch structures, the contractor shall verify that the minimum compressive strength of the footings has been reached.

Structural concrete and reinforcing steel for the cast-in-place work shall be per Section 1006 and Section 1003 of the Specifications, respectively.

Grouting:

Grouting of the keyway shall be per manufacture's requirements. The compressive strength of the cement grout and temperature requirements shall be as specified by the manufacturer.

The lifting and erection anchor recesses shall also be filled with grout per the manufacture's requirements.

Damp Proofing:

Apply damp proofing the full length of the precast arch structure.

Joints and Connections:

The precast arch units shall be placed as shown on the project plans (or approved shop drawings) and per the manufacturer's requirements. Special care shall be taken in

setting the precast arch units to the true line and grade. The maximum joint width between adjacent precast arch units shall be within the manufacturer's allowable tolerance.

The precast arch units shall be mechanically connected per manufacturer's requirements. All plates, shapes, and hardware shall be galvanized.

During backfilling operations, care shall be taken to keep the joint wrap in its proper location over the joint.

3.1 Preparation of Foundations, Trenches and Embankments:

Foundation preparation shall be in accordance with Subsection 501-3.01 and any special requirements required by the manufacturer.

3.2 Bedding:

Bedding shall be in accordance with Subsections 501-3.02 and any special requirements required by the manufacturer.

3.3 Installation:

Installation of the precast elements shall be per the manufacturer's requirements. It is the responsibility of the contractor to ensure that a crane of the correct lifting capacity is available to handle the precast concrete units. Site conditions must be checked well in advance of shipping to ensure there is proper location to set up the crane and to avoid any lifting restriction requirements. The lift anchors or holes provided in each unit are the only means to be used to lift the elements. If shoring methods are utilized, the cost of the shoring shall be included in the contract unit price for the precast arch bridge item.

The contractor must verify the heavy equipment weight restrictions for crossing of the precast culvert units during backfilling operations.

3.4 Structural Excavation and Structure Backfill:

Structural excavation and structural backfill shall be in accordance with Subsection 203-5.03 of the Specifications. The minimum limits of structure backfill shall be determined by the Contractor and/or manufacturer.

3.6 Shop Drawing Submittal:

Shop drawing submittals shall be provided in accordance with Sub Section 105.03 of the Standard Specifications. The contractor shall submit, at the preconstruction conference, seven sets of complete working drawings for the structure prepared specifically for the contract review and approval. All shop drawings (all sheets) and

structural design calculations shall be sealed and signed by an engineer licensed in the State of Arizona. The shop drawings shall include design and installation details for the concrete arch and foundation. Initiation of construction of the precast arch structure will not be allowed prior to approval of shop drawings.

Shop drawings shall be prepared for all fabricated materials, joint details, lifting devices, casting methods, construction placement and details of any cast-in-place sections or cold joints due to construction phasing. The proposed transportation method of delivery of the precast arch units shall be stated in the submittal package provided to the Engineer. All shop drawing sheets shall include the project designation data, structure number, and TRACS number, in the lower right-hand corner of each sheet.

3.7 Certifications and Inspection:

Precast elements shall be fabricated at a National Precast Concrete Association (NPCA) or Precast/Prestressed Concrete Institute (PCI) certified plant. The contractor shall submit fabricator's certification for their respective association to the Engineer for approval prior to fabrication. The Engineer shall be notified a minimum of 2 weeks prior to the precast arch unit fabrication to allow for inspection of the precast arch units manufacturing. The Department may place an inspector in the plant when products covered under this specification are being manufactured.

4.0 Method of Measurement:

Precast Bridge (Arch Structure) will be measured by each which includes the arch structures, the precast headwalls and wingwalls, the cast in-place foundations, all joints and connections, headwall berms and all other materials and labor including any shoring, drainage and structural excavation and placement of bedding material, and furnishing, placing, and compacting structural and/or critical backfill material, complete in place.

Any work or materials associated with the precast bridge traffic detour will be covered under other contract items.

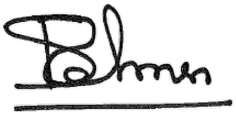
5.0 Basis of Payment:

The accepted quantities of Precast Bridge (Arch Structure), measured as provided above, will be paid for at the contract unit price complete in place.

Payment for the removal of rock, hard pan, other unyielding material, or soft, spongy or other unstable soil below the vertical limits as shown on the plans, and the backfilling of these over-excavated areas, as specified herein and as directed by the Engineer, will be paid for in accordance with the requirements of Subsection 104.02 of the Standard Specifications.

REVISIONS TO THE PROJECT PLANS:

Attached are revised plan sheets 3, 5, 9, 10, 13, 18, & 19. Remove these plan sheets from the project plans and insert the revised sheets attached.



For Brahama Singh, PE,
Group Manager,
Contracts & Specifications

Attachment:

Revised sheets 3, 5, 9, 10,13, 18, 19 of 39 of the Project Plans.