

SPECIFICATIONS AND CONTRACT DOCUMENTS



AUGUSTA, KANSAS AUGUSTA MUNICIPAL AIRPORT

COMMUNITY HANGAR DRIVE RECONSTRUCTION

Garver Project 19A17100



Digitally Signed 10/02/2019

Prepared For:
City of Augusta

October 2019



010000 - ADVERTISEMENT FOR BIDS

Sealed bids for **Community Hangar Drive Reconstruction**, to be constructed at the Augusta Municipal Airport for the City of Augusta, Augusta, Kansas, will be received by the City Clerk's Office (contact information provided below) until 3:00 PM Friday October 18, 2019, at which time the bids shall be publicly opened and read aloud.

City Clerk's Office
Augusta City Hall
113 E. 6th Ave.
Augusta, KS 67010

Sealed bids shall consist of the completed proposal form. Additional information may be requested regarding project experience and references.

The project includes, but is not limited to the removal of asphalt/concrete pavement and construction of approximately 560 SY of 6" PCC Concrete Pavement as shown in the plans.

Requests for interpretation as to the meaning of the Contract Documents or any part thereof can be made to Caleb Coltrane with Garver at 316-221-3022 or crcoltrane@garverusa.com.

The successful bidder must furnish a performance bond upon the form provided in the amount of one hundred per cent (100%) of the contract price from an approved surety company holding a permit from the State of Kansas to act as surety, or other surety or sureties acceptable to the Owner.

The City of Augusta reserves the right to reject any or all bids, to waive irregularities in the bids and bidding deemed to be in the best interests of the City of Augusta, and to reject nonconforming, nonresponsive, or conditional bids.

Bids must remain in effect for 60 days after the bid opening date.

The City of Augusta

010400 - PROPOSAL

Place _____

Date _____

Proposal of _____,

a corporation organized and existing under the laws of the State of _____.

To: CITY OF AUGUSTA

This bid results from your advertisement for bids for the construction of the **Community Hangar Drive Reconstruction**.

The undersigned Bidder, having visited the site of the work, having examined the Plans, Specifications, and other Contract Documents including all Addenda, and being familiar with all of the conditions relating to the construction of the proposed project, hereby agrees to comply with all other conditions or requirements set forth in the Plans, Specifications, and other Contract Documents, and further proposes to; furnish all material, supplies, equipment, and appliances; to furnish all labor, tools, equipment and incidentals to complete the work in accordance with the Plans, Specifications, and other Contract Documents at and for the unit prices proposed in the Unit Price Schedule below.

Spec No.	Description	Unit	Estimated Quantity	Unit Price	Bid Amount
M-564-5.1	Full Depth PCC Repair (6")	SY	560		

Total Bid: \$ _____

The undersigned Bidder agrees to begin work within ten (10) calendar days after the issuance by, or on behalf of, the Owner of a "Work Order" or "Notice to Proceed" and to complete the work within 30 calendar days thereafter.

The undersigned Bidder agrees that this bid shall be good and shall not be withdrawn for a period of sixty (60) calendar days after the opening thereof.

It is understood by the undersigned Bidder that the Owner reserves the right to reject any or all bids.

(Witness)

(Name of Bidder)

By _____

(Address)

(Print Name and Title)

(Office Address of Bidder)

SEAL (If Bidder is a corporation)

NOTES: Sign in ink. Do not detach. Items must be bid upon as specified in the Unit Price Schedule.

010700 - PERFORMANCE BOND

1. NOTIFICATION

The Surety's obligation under this Bond shall arise after:

- 1.1 The Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Default. Such notice shall indicate that the Owner is requesting a conference among the Owner, Contractor, and Surety to discuss the Contractor's performance. Unless the Owner agrees otherwise, any conference requested under this Paragraph shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor, and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;
- 1.2 The Owner declares a Default, terminates the Construction Contract and notifies the Surety.

Notice to the Surety, the Owner, or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Failure on the part of the Owner to comply with the notice requirement shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations.

The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.

2. SURETY'S ACTIONS

When the Owner has satisfied the conditions of Paragraph 1, the Surety shall promptly and at the Surety's expense take one of the following actions:

- 2.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;
- 2.2 Undertake to perform and complete the Construction Contract itself, through its mutually acceptable agents or independent contractors;
- 2.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owners concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Paragraph 3 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or
- 2.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:
 - 2.4.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or
 - 2.4.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

3. SURETY OBLIGATIONS

If the Surety elects to act under Paragraph 2.1, 2.2, or 2.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication for:

- 3.1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;
- 3.2 additional legal, design professional, and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Paragraph 2; and
- 3.3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

4. SURETY DEFAULT

If the Surety does not proceed as provided in Paragraph 2 with reasonable promptness, the Surety shall be deemed to be in default on this Bond ten days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Paragraph 2.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

5. PROCEEDINGS

Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum periods of limitations available to sureties as a defense in the jurisdiction of the suit shall be applicable.

6. STATUTORY REQUIREMENTS

When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted hereto and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

7. PERFORMANCE BOND CERTIFICATE

KNOW ALL MEN BY THESE PRESENTS:

THAT WE, _____

as Principal, hereinafter called "Principal", and _____

_____, State of _____, as

Surety, hereinafter called "Surety", are held and firmly bound unto the City of Augusta, Augusta, Kansas, as Obligee, hereinafter called "Owner", in the amount of:

_____ Dollars (\$_____),

in lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the Principal entered into a Contract with the Owner by written agreement dated the ____ day of _____, 20__, a copy of which is attached hereto and made a part hereof, hereinafter referred to as the Contract,

"Community Hangar Drive Reconstruction"

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said Contract, including without limitation the maintenance warranty thereof, during the original term thereof, and any extensions thereof which may be granted by the Owner, with or without notice to the Surety, and if he shall satisfy all claims and demands incurred under such Contract, and shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

Any alterations which may be made in the terms of the Contract, or in the work to be done under it, or the giving by the Owner of an extension of time for the performance of the Contract, or any other forbearance on the part either of the Owner or the Principal to the other shall not release in any way the Principal and Surety, or either of these, their heirs, personal representatives, successors, or assigns from their liability hereunder, notice to the Surety of any alteration, extension or forbearance hereby being waived.

In no event shall the aggregate liability of the Surety exceed the sum set out herein.

Executed on this ____ day of _____, 20__.

SEAL

Principal

By _____
Signature

By _____
Print Name and Title

SEAL

Surety

By _____
Attorney-In-Fact - Signature

By _____
Attorney-In-Fact - Print Name and Title

Surety Address for giving Notices: _____

NOTES: Attach Power of Attorney.

Date of Bond must not precede date of Contract.

A copy of this Bond must be filed with the
Circuit Clerk in each county wherein the work
is to be performed.

ITEM M-564 REPAIR OF PAVEMENT DISTRESSES IN RIGID (PORTLAND CEMENT CONCRETE) PAVEMENTS**DESCRIPTION**

564-1.1 This item consists of repairing pavement distresses (e.g., cracks, spalls, corner breaks, etc.) in rigid (Portland Cement Concrete) pavements, as well as patching of small areas in PCC pavements. This work consists of saw cutting, chipping, and removing the existing unsound PCC pavement; cleaning and preparing the area for the repair materials. This work also includes placing, vibrating, and finishing the repair material to reconstruct the PCC pavements, in accordance with this specification.

MATERIALS

564-2.1 Concrete Mixture. The concrete mixture shall conform to KDOT Specification 502 Grade 4.0 Portland Cement Concrete Pavement for materials. This repair method is considered a permanent, long term repair as it is typically used for large repair areas requiring 3 cubic yards or more of mix supplied by a local concrete mixing plant.

564-2.2 Nonabsorbent Board. The nonabsorbent board will be used as a joint form for the joint reservoir to be protected. The nonabsorbent board will be a standard 1/2-inch asphalt impregnated fiberboard. For joint widths greater than 1/2-inch, the width of the nonabsorbent board will be adjusted to fit the larger joint width.

564-2.3 Curing Compound. The curing compound will be a white pigmented impervious membrane conforming to the requirements of ASTM C 309. The curing compound will be of such character that the film will harden within 30 minutes after application.

605-2.1 Joint sealants. Joint sealant materials shall meet the requirements of ASTM D5893 Standard Specifications for Cold Applied, Single Component, Chemically Curing Silicone Joint Sealant for Portland Cement Concrete Pavements.

CONSTRUCTION METHODS

564-3.1 Time of Application. The ambient temperature and concrete surface temperature will be within the range specified by the manufacturer's requirements for that product at the time of application.

564-3.2 Repair of Distresses in PCC Pavements.

a. Corner Breaks / Shattered Slabs / Blowups. These are considered structural failures and require full-depth repairs. The procedures for repairing these types of distresses are as follows:

(1) Make full-depth saw cuts at constructed joints. The FAA recommends that full-depth cuts be made at a distance of at least 2 feet beyond the limits of the break. Make the saw cuts so the repair area is rectangular. For corner cracks, cut the repair area square.

(2) Use appropriate-sized impact equipment (e.g., jackhammer) to remove material within the limits of the saw cuts. When using a hoe-ram or removing the concrete by lifting, make a second saw cut inside the perimeter cuts to provide expansion. Remove by hand any loose materials that remain. During the repair, try to minimize any disturbance to the subgrade soils or base materials.

(3) Restore subgrade or subbase materials to the base elevation of the panel being repaired.

(4) Use tie-bars consisting of #4 deformed bars (#5 bars for pavements more than 12 inches thick) in the faces of the parent panel. Install by drilling into the face and using an epoxy bonding agent. Use equidistant spacing of the bars, but do not install them more than 24 inches apart. When spacing bars, do not allow their ends to overlap with those of other tie-bars or dowels.

(5) Use dowel bars, of the type and size of the existing dowel bars, in the joint that parallels the direction of traffic. On aprons and areas where traffic may be oblique to joints, install dowels in both joint faces. Dowels are installed by drilling and epoxying. Dowel bars will be spaced at least one bar spacing away from faces parallel to the dowel bar. Space dowel bar ends at least one bar spacing apart at corners of intersecting joints. Oil exposed dowel bar ends prior to backfilling with concrete.

(6) Install nonabsorbent board within the limits of the joint seal reservoirs along the adjacent concrete panels. When repairing multiple panels, restore the joint seal reservoirs with the nonabsorbent filler board.

(7) Fill the repair area with concrete, being sure to consolidate the concrete along the limits of repair. Exercise caution when working adjacent to existing concrete faces, particularly during consolidation, and watch for segregation of the concrete. Finish the surface to match existing surface when practical.

(8) After the concrete cures, remove the nonabsorbent board by sawing. Reinstall joint seal material.

METHOD OF MEASUREMENT

564-4.1 Full depth repairs will be measured by the square yard for the removal of existing materials and installation of new material in place, completed, and accepted.

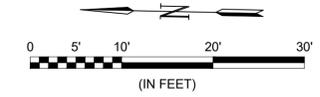
BASIS OF PAYMENT

564-5.1 Payment for full depth repairs will be made at the contract unit price bid per square yard. This price will be full compensation for furnishing all materials, for all preparation, removal of existing pavement, delivering, and placing of these materials, sawcutting and sealing joints, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item M-564-5.1 Full Depth PCC Repair (6") – per square yard

END ITEM M-564



LEGEND

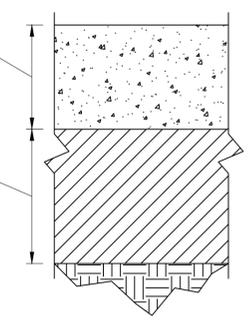
	PAVEMENT RECONSTRUCTION
	REINFORCED PANELS
	TYPE B-HINGED CONSTRUCTION JOINT
	TYPE C-DOWELED CONSTRUCTION JOINT
	TYPE D-DUMMY CONSTRUCTION JOINT
	TYPE E-DOWELED CONSTRUCTION JOINTS
	TYPE A-THICKENED EDGE JOINT

NOTES:

1. ALL CONSTRUCTION JOINTS ON THE INTERIOR OF THE DRIVEWAY SHALL BE TYPE E - DOWELED CONSTRUCTION JOINTS.
2. REINFORCED PANELS SHALL INCLUDE 6" X 6", 6 GAUGE WELDED WIRE FABRIC THROUGHOUT THE PANEL. END REINFORCING 3" FROM EACH SIDE OF JOINT.
3. ADJUSTMENTS TO THE TYPES OF JOINTS SHOWN MAY BE MADE BASED ON THE CONTRACTOR'S CONSTRUCTION METHODS, PROVIDED THE CONTRACTOR SUBMITS THE PROPOSED CHANGES TO THE ENGINEER FOR APPROVAL.
4. STRINGLINES SECURED VIA DRILLED HOLES WILL NOT BE ALLOWED ON APRON.
5. JOINT LOCATIONS AND PAVEMENT SURFACE ELEVATIONS IN NEW PCC PAVEMENT SHALL MATCH THE ADJACENT PAVEMENT REMAINING IN PLACE.

REMOVE EXISTING PAVEMENT AND INSTALL 6" PCC PAVEMENT. (KDOT 502, GRADE 4.0)

EXISTING BASE AND SUBGRADE TO REMAIN IN PLACE. CONTRACTOR SHALL PROOF ROLL IN THE PRESENCE OF THE ENGINEER BEFORE PCC PAVEMENT INSTALLATION.



A
C-101 **TYPICAL SECTION**
SCALE: NONE



© 2017 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

8535 East 21st Street
North Suite 130
Wichita, KS 67206
(316) 264-8008

REV.	DATE	DESCRIPTION	BY

AUGUSTA MUNICIPAL
AIRPORT
AUGUSTA, KS

COMMUNITY HANGAR
DRIVE RECONSTRUCTION

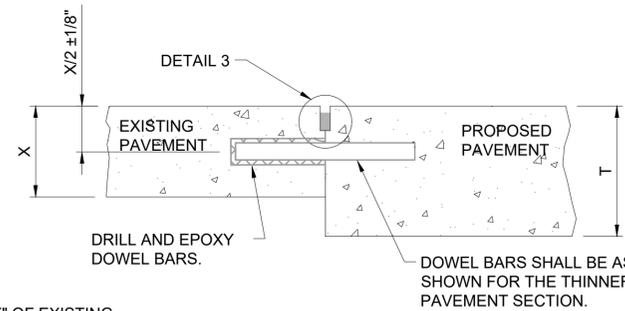
PROJECT LAYOUT
PLAN

JOB NO.: 19A17100
DATE: SEPT. 2019
DESIGNED BY: CRC
DRAWN BY: ERA

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-101

SHEET NUMBER
1



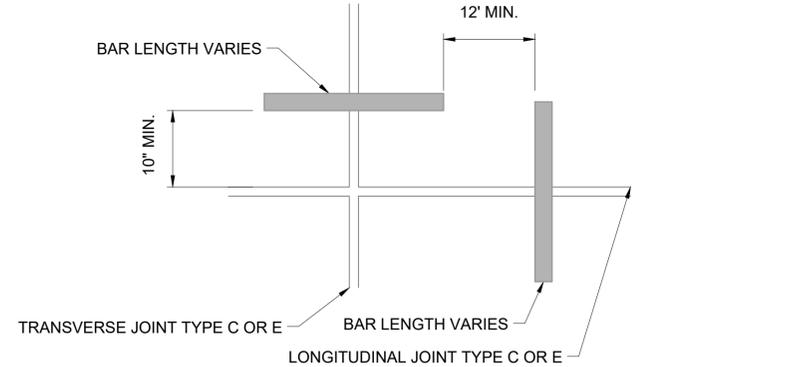
NOTE:

THICKNESS "X" OF EXISTING PAVEMENT IS UNKNOWN.

TYPE E-DOWELED CONSTRUCTION JOINT AT EXISTING/PROPOSED PAVEMENT

A
C-102

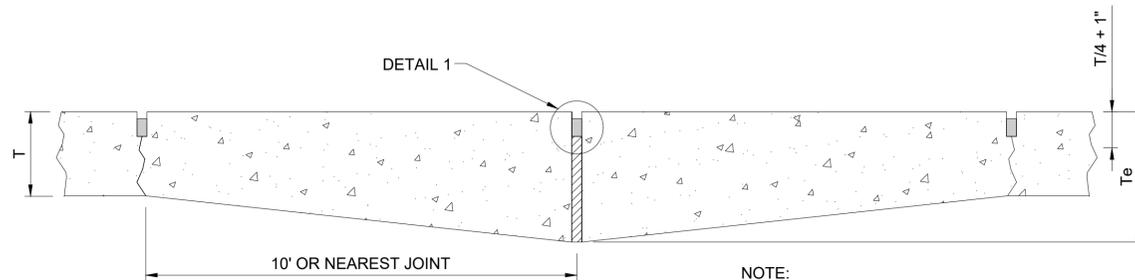
SCALE: NONE



B
C-102

DOWEL BARS AT SLAB CORNERS (PLAN VIEW)

SCALE: NONE



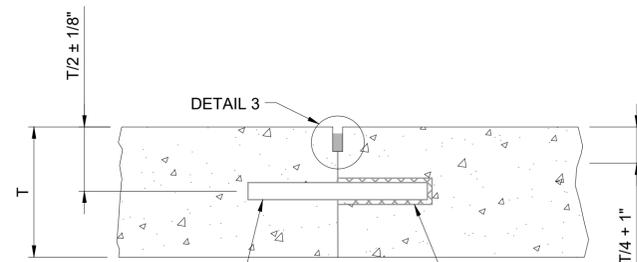
C
C-102

TYPE A - THICKENED EDGE JOINT

SCALE: NONE

SYMBOLS

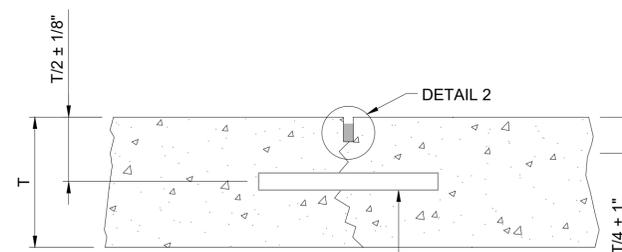
- ASTM D5893 TYPE SL SILICONE SEALANT
- ROD BACK-UP MATERIAL
CLOSED-CELL RESILIENT FOAM OR SPONGE RUBBER
- RESILIENT FILLER



D
C-102

TYPE E-DOWELED CONSTRUCTION JOINT

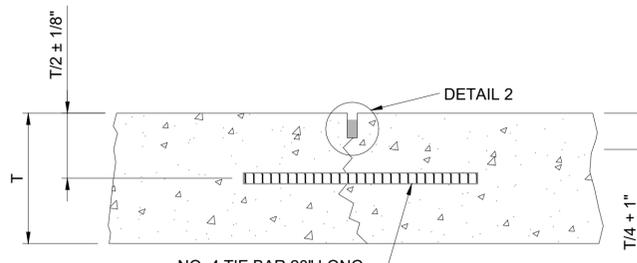
SCALE: NONE



E
C-102

TYPE C-DOWELED CONTRACTION JOINT

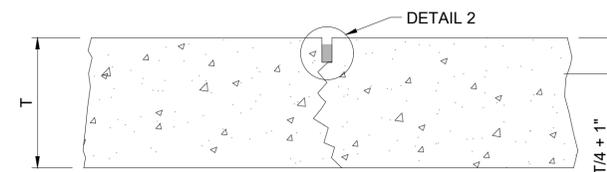
SCALE: NONE



F
C-102

TYPE B-HINGED CONTRACTION JOINT

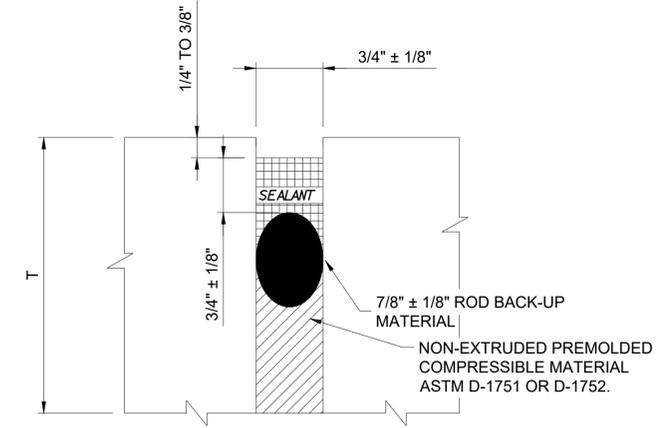
SCALE: NONE



G
C-102

TYPE D-DUMMY CONTRACTION JOINT

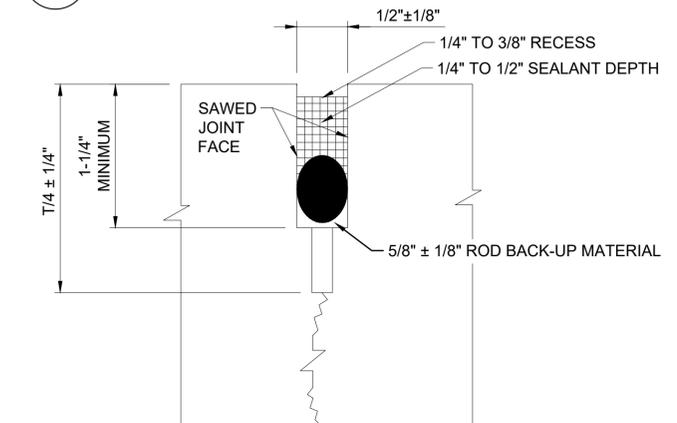
SCALE: NONE



J
C-102

DETAIL 1-ISOLATION JOINTS

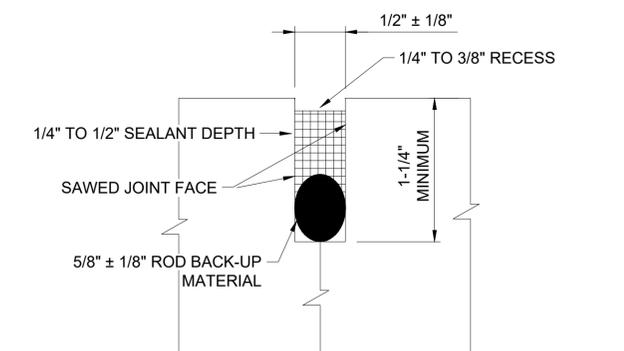
SCALE: NONE



K
C-102

DETAIL 2-CONTRACTION JOINTS

SCALE: NONE



L
C-102

DETAIL 3-CONSTRUCTION JOINTS

SCALE: NONE

SLAB THICKNESS	DOWEL DIAMETER	DOWEL LENGTH	DOWEL SPACING
6" TO 7"	3/4"	18"	12"

H
C-102

DOWEL BAR SPECIFICATIONS

SCALE: NONE



© 2017 GARVER, LLC
THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGNS CONVEYED HEREIN, SHALL BE CONSIDERED INSTRUMENTS OF PROFESSIONAL SERVICE AND ARE PROPERTY OF GARVER, LLC. ANY USE, REPRODUCTION, OR DISTRIBUTION OF THIS DOCUMENT, ALONG WITH THE IDEAS AND DESIGN CONTAINED HEREIN, IS PROHIBITED UNLESS AUTHORIZED IN WRITING BY GARVER, LLC OR EXPLICITLY ALLOWED IN THE GOVERNING PROFESSIONAL SERVICES AGREEMENT FOR THIS WORK.

8535 East 21st Street
North Suite 130
Wichita, KS 67206
(316) 264-8008

BY	DESCRIPTION	DATE	REV.

AUGUSTA MUNICIPAL AIRPORT
AUGUSTA, KS

COMMUNITY HANGAR DRIVE RECONSTRUCTION

PCC JOINT DETAILS

JOB NO.: 19A17100
DATE: SEPT. 2019
DESIGNED BY: CRC
DRAWN BY: ERA

BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER
C-102

SHEET NUMBER
2