

## ADDENDUM NO. 01

**TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI**

**Structural Repairs  
Capitol Complex; Parking Garage/Capitol Circular - Senate  
Jefferson City, Missouri  
Project No.: O1817-01**

**Bid Opening Date:** 1:30 PM, Thursday June 11, 2020 (Not Changed)

**Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:**

### **SPECIFICATION CHANGES:**

1. SECTION 001116 – INVITATION FOR BID
  - a. 7.0 POINT OF CONTACT – For the Designer (Philip Steed), change the Telephone Number to: 816-719-9973.
2. SECTION 007300 – SUPPLEMENTARY CONDITIONS
  - a. 2.0 CONTACTS - For the Designer (Philip Steed), change the Telephone Number to: 816-719-9973.
3. SECTION 030130 – STRUCTURAL CONCRETE REPAIRS
  - a. 2.3.B – Add the following
    - i. B. Proprietary Cementitious Repair Material to in fill shoulders of existing expansion joint system at vehicular entrance to garage
      1. Provide proprietary cementitious repair material to infill shoulders of existing expansion joint to be removed.
      2. Cementitious material shall be as required by expansion joint system manufacturer.
      3. Install cementitious material in strict accordance with manufacturers written instructions including surface prep, moisture conditioning prior to application, mixing and curing.
      4. Provide a minimum surface prep of CSP 6 as specified by ICRI prior to application of cementitious material.
    - b. ADD 2.9.A.1.d – Watson Bowman Acme Corp.; Wabo Crete Membrane ME
    - c. ADD 2.9.B.1.d – Watson Bowman Acme Corp.; Wabo Seismic Weather Seal
    - d. 2.9.C.1.a – REPLACE BCSF-SL with BCSW.
    - e. ADD 2.9.C.1.d – Watson Bowman Acme Corp.; Wabo Seismic Weather Seal
    - f. 2.9.D. – ADD the following:
      - i. D. Vehicular Traffic Grade Horizontal Expansion Joint at Entrance
        1. Products: Subject to compliance with requirements, provide one of the following or approved equivalent:
          - a. BALCO; BCSF H SEAL
          - b. Watson Bowman Acme Corp.; Wabo H Seal
          - c. EMSEAL; DSM System
      - ii. E. Confirm that all expansion joint systems on the exterior of the tunnel including horizontal, exterior vertical and below grade vertical are compatible. Shingle all splices in vertical joints to ensure water does not penetrate joint.

- iii. F. Install expansion joint systems in strict accordance with manufacturers written instructions including surface prep, shoulder infill, moisture conditioning mixing installation protection and splicing.
4. SECTION 033713 – SHOTCRETE
    - a. ADD 1.6.D.3 Nozzleman shall be an ACI-certified Shotcrete Nozzleman.

**DRAWING CHANGES:**

The drawing changes listed below are reflected on the attached drawing revisions.

1. Sheet S100 Revise Repair Schedule note R7.d
2. Revise detail 4/S203
3. Revise detail 5/S203
4. Revise detail 6/S203
5. Revise detail 8/S203

**GENERAL:**

1. Pre-Bid Meeting was held on May 29, 2020. The attendance log is included in the attachment.
2. For questions regarding bidding requirements, submitting an electronic bid in MissouriBUYS, MBE/WBE/SDVE goals, insurance requirements, performance/payment bonds, or Affidavit of Work Authorization contact Kelly Copeland, Contract Specialist, at (573) 522-2283 or [kelly.copeland@oa.mo.gov](mailto:kelly.copeland@oa.mo.gov).

**ATTACHMENTS:**

1. Pre-Bid Meeting Attendance Log (5 Pages)
2. Drawing Attachments:
  - a. S-100 rev. 06/04/2020
  - b. SDS-01 rev. 06/04/2020
  - c. SDS-02 rev. 06/04/2020
  - d. SDS-03 rev. 06/04/2020
  - e. SDS-04 rev. 06/04/2020

**June 4, 2020**

**END ADDENDUM NO. 01**

**Pre-Bid Meeting Attendance Log  
Structural Repairs  
Missouri State Senate Garage  
Jefferson City, MO**

**Project No. O1817-01  
May 29, 2020 at 10:00 AM**

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Terry Bruns Project Manager <i>TB</i>	OA, FMDC		573-526-5184 o 573-508-2754 c	terry.brunson@oa.mo.gov
Steve Kroner Facility Operations Manager <i>X</i>	OA, FMDC		573-751-6896 o 573-680-0553 c	steve.kroner@oa.mo.gov
Mark Grannemann Facility Operations Manager <i>MG</i>	OA, FMDC		573-526-8444 o	mark.grannemann@oa.mo.gov
Bob Rehagen Construction Administrator <i>BR</i>	OA, FMDC		573-522-0002	robert.rehagen@oa.mo.gov
Paul Ridenhour Physical Plant Supv II	OA, FMDC		573-751-7306	paul.ridenhour@oa.mo.gov
Patrick Baker <i>✓</i>	Missouri State Senate		573-751-4663	patrick.baker@senate.mo.gov

**Pre-Bid Meeting Attendance Log  
Structural Repairs  
Missouri State Senate Garage  
Jefferson City, MO**

**Project No. O1817-01  
May 29, 2020 at 10:00 AM**

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Jon Burton ✓	Missouri State Senate		573-751-2945	jon.burton@senate.mo.gov
Mike Qutami PMU SL	OA, FMDC		573-751-3182	michael.qutami@oa.mo.gov
Sherry Kempf CI Coordinator	OA, FMDC		573-751-5003	sherry.kempf@oa.mo.gov
Ralph Jones, PE Principal RS	Structural Engineering Associates, Inc.		816-595-5626	rjones@seassociates.com
Phillip Steed, PE Restoration Project Manager RS	Structural Engineering Associates, Inc.		816-719-9973	psteed@seassociates.com
Eric Markway	OA, FMDC			eric.markway @ oa.mo.gov

**Pre-Bid Meeting Attendance Log  
Structural Repairs  
Missouri State Senate Garage  
Jefferson City, MO**

**Project No. O1817-01  
May 29, 2020 at 10:00 AM**

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Lance Lucas	Pullman		816 808 8112	llucas@pullman-services.com
Greg Hauser	Vee Jay		314 581 4021	GregH@VeeJaycement.com
Vaughn Prost	Prost Builders		573-694-1095	estimating@prostbuilders.com vxp@prostbuilders.com
George Justice	Western		314-312-8098	georgeja@westernspecialtycontractors.com
Aaron Gaddy	Prost Builders			aaron@prostbuilders.com
Brandon Carter	Frieze & Associates		913 526 3605	brandon@frieze.us

**Pre-Bid Meeting Attendance Log**  
**Structural Repairs**  
**Missouri State Senate Garage**  
**Jefferson City, MO**

**Project No. O1817-01**  
**May 29, 2020 at 10:00 AM**

Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address
Mark Spears	MTS		816.421. 0909	marks@mtscontracting .com

Webex Prebid Attendees

Curtis Barkley- John Rohrer Contracting Co., Inc., cbarkley@jrcc.build, 913-915-5835

Mike Mann Innovative Masonry Restoration mike@imrestoration.com 816-841-7455

KC Moorman Jacor Contracting kc@jacorcontracting.com 816-483-7330

Ronnie Roustio - PULLMAN - rroustio@pullman-services.com - 618-444-8858

GENERAL NOTES

A. GENERAL

- These notes shall be read in conjunction with the Specifications and the Drawings. In the event of a conflict, notify the Engineer for clarification.
- Before executing anything shown herein, examine actual job conditions. Report any discrepancy, dimensional or otherwise, between the Structural Drawings and any other error, omission, or difficulty affecting the work to the Engineer for review.
- Any condition encountered in the existing structural system which is different from that indicated in Drawings or which might create a failure or hazard shall be brought to the immediate attention of the Engineer.
- The existing conditions indicated on the Drawings are based on surveys made by the consultant(s) as well as on material provided by the Owner and no claim is made as to its absolute completeness and/or accuracy. Prior to the start of construction operations, field-verify existing conditions and dimensions pertaining to this Contract. Notify the Engineer immediately of any discrepancies found at the site in relation to the information provided on the Drawings.
- The Owner or his Representative reserves the right to inspect any material, fabrication, or workmanship at any time in field or shop for conformance to the Specifications and Drawings.
- All details and sections are intended to be typical and shall be construed to apply to any similar situation elsewhere, except where a different detail is shown.
- Do not scale drawings.

B. DESIGN

- Codes, specifications and standards (latest editions, U.N.O.)
  - All design and construction shall conform to the International Building Code (2015).
  - All construction shall comply with the provisions of the following codes, specifications and standards, as referenced in the general building code, except where noted to the contrary on drawings and specifications or where more stringent requirements are specified or shown:
    - ACI 117 "Standard Specifications for Tolerance for Concrete Construction and Materials"
    - ACI 301 "Specifications for Structural Concrete for Buildings"
    - ACI 318 "Building Code Requirements for Reinforced Concrete"
    - ASCE 7 "Minimum Design Loads and Associated Criteria for Buildings and Other Structures"

C. CONCRETE

- All concrete shall have a minimum 28-day ultimate compressive strength of 5000 psi.
- Portland Cement: ASTM C 150, Type 1.
- Water-reducing admixtures: ASTM C 494.
- Normal Weight Aggregates: ASTM C 33. Maximum 3/4 in. diameter.
- Air entrain all exterior concrete (admixture: ASTM C 260).
- Silica fume: ASTM C 1240
- Do not use calcium chloride admixtures under any circumstances.
- Concrete Mixture:
  - Minimum cementitious content: 611 pcy
  - Maximum W/C Ratio: 0.40
  - Slump limit: 3 in. ± 1 in. before adding water reducing admixture.
  - Maximum 9 in. after adding water reducing admixture.
  - Air content: 6.5% ± 1.5% at point of delivery.
  - Silica Fume: 3.5% by weight of total cementitious material.
- For all mix designs, submit proposed mix including proportions by weights or volumes, strength, water-cementitious materials ratio, aggregate source and grading, cement type and brand, water source if other than potable, proportions, admixtures data sheets, test results.
- For conventional hand trowel applied or form-and-pour vertical or overhead repairs, prepackaged concrete repair products or shotcrete may be used.
- Approved prepackaged concrete repair products include:
  - SikaRepair-223
  - BASF MasterEmaco N 425
  - BASF MasterEmaco S 488C1
  - Five Star E2-Cure Repair Mortar V/O
 Refer to Manufacturer's Printed Installation Instructions for mixing, application, and required bonding methods or accessory products.
- Shotcrete shall be composed of Portland Cement, silica fume, fine aggregate and water so proportioned as to produce a concrete suitable for pneumatic application with a minimum 28-day compressive strength of 5,000 psi. Shotcrete shall be proportioned with a minimum of 1 part cement to 4 parts fine aggregate based on dry loose volume. Shotcrete to have 5 percent silica fume by weight of cement.
- Reinforcing bars: ASTM A 615 Specifications, Grade 60, deformed. Bend bars cold.
- Epoxy-coated reinforcing bars: ASTM A 775.
- Epoxy-coated steel wire and welded wire fabric: ASTM A 884, Class A.
- Welded wire fabric (WWR): ASTM A 1064.
- All reinforcing to be epoxy coated.
- Maintain minimum concrete coverage for reinforcing as indicated, unless noted otherwise.
  - 3 in. clear where concrete is deposited directly against earth.
  - 2 in. clear where concrete is exposed to earth or weather but poured against forms for bars larger than #5.
  - 1-1/2 in. clear where concrete is exposed to earth or weather, but poured against forms for bars #5 or smaller.
  - 3/4 in. clear for slabs and walls formed above grade not exposed to weather.
  - 1-1/2 in. clear for beam and columns formed above grade and not exposed to weather.

D. POST-INSTALLED ANCHORS

- Except where indicated on the drawings, post-installed anchors shall consist of the following anchor types:
  - Anchorage to concrete
    - Adhesive anchors shall have been tested in accordance with ACI 308.4 and/or ICC-ES AC308 for cracked concrete and seismic applications. Adhesive anchors shall be installed by a certified adhesive anchor installer Where designated on the contract documents. Pre-approved products include:
      - Hilti HIT-HY 200 with SAFESIT System or manufacturer recommended hole cleaning practice per ICC ESR-3187.
      - DeWalt PURE110+ Epoxy Adhesive Anchor System in cracked concrete per ICC ESR-329B.
      - DeWalt AC208+ Acrylic Adhesive, fast cure in cracked concrete per ICC ESR-4027.
      - Simpson Strong-Tie SET-3G adhesive anchoring system per ICC ESR-4057.
      - Hilti HIT-RE300V3 epoxy adhesive anchoring system per ICC ESR-3814 for slow cure applications.
- All anchors shall be installed in strict accordance with Manufacturer's Printed Installation Instructions (MPII) in conjunction with edge distance, spacing and embedment depth as indicated on the drawings.
- Drill holes for anchors using a bit incapable of cutting steel. Do not cut existing concrete reinforcing steel. If, while drilling, reinforcing steel is encountered, notify the Structural Engineer for approval of new location. Clean and patch the abandoned hole with grout. Always follow manufacturer's written instructions.
- Adhesive anchors must be installed in concrete aged a minimum of 21 days per ACI 318-14 17.1.2

- Anchor capacity used in design shall be based on the technical data published by Hilti, Simpson, DeWalt or such other method as approved by the Structural Engineer of Record. Substitution requests for alternate products must be approved in writing by the Structural Engineer of record prior to use. Contractor shall provide calculations demonstrating that the substituted product is capable of achieving the performance values of the specified product. Substitutions will be evaluated by their having an ICC ESR showing compliance with the relevant building code for seismic uses, load resistance, installation category, and availability of comprehensive installation instructions. Adhesive anchor evaluation will also consider creep, in-service temperature and installation temperature.
- Adhesive anchors installed in Horizontal and vertically overhead orientation to support sustained tension load shall be done by a certified adhesive anchor installer (AA) as certified through ACI/CRSI according to ACI 318-14 17.8.2.2. Proof of current certification shall be submitted to engineer for approval prior to commencement of installation.
- The contractor shall arrange for an anchor manufacturer's representative to provide onsite installation training for all of their anchoring products specified. The Structural Engineer of Record must receive documented confirmation that all of the contractor's personnel who install anchors are trained prior to the commencement of installing anchors.
- Anchor capacity is dependent upon spacing between adjacent anchors and proximity of anchors to edge of concrete. Install anchors in accordance with spacing and edge clearances indicated on the drawings.
- Existing reinforcing bars in the concrete structure may conflict with specific anchor locations. Unless noted on the drawings that the bars can be cut, the contractor shall review the existing structural drawings and shall undertake to locate the position of the reinforcing bars at the locations of the concrete anchors, by Hilti Ferroscon, G.P.R., X-ray, chipping or other means.
- If a specific epoxy adhesive anchoring system is noted in a particular detail of this construction drawings, other alternative product options listed above in item 1 shall not apply.

E. WATERPROOFING MEMBRANE

- Surface Preparation:
  - Clean all surfaces to have coating being applied. Remove oils, curing compounds, lollance, and other substances that could prevent adhesion or penetration of water repellents. Power wash substrate with TSP or Citric Acid Cleaner at 1,200 to 1,500 psi.
    - Test for moisture content, according to manufacturer's written instructions, to ensure that surface is dry enough. Ensure that slab repairs are completed and cured.
    - Test for pH level, according to manufacturer's written instructions, to ensure chemical bond to silicate minerals.
  - Protect adjoining work, including sealant bond surfaces, from spillage or blow-over. Cover adjoining and nearby surfaces of aluminum, glass, and live plants/grass.
  - Condition Limitations:
    - Ambient temperature is above 40 deg F.
    - Application proceeds more than 24 hours after surfaces have been wet.
    - Contractor to protect all vehicles and property in and around area to be treated.
- Traffic Coating:
  - Traffic coating shall be a traffic bearing, seamless, high solids content, cold applied elastomeric, waterproofing system with integral wearing surface for vehicular traffic.
    - Sikolastic 22 Lo-Mod Traffic System with Sikolastic 720 base. The traffic coating system shall be suitable for medium duty vehicular traffic of parking stalls and heavy duty at driving areas. Broadcast aggregate to refusal in intermediate and top coats per manufacturer's instructions. Match existing color.
      - Parking Stalls: 23 mils wet base coat + 32 mils top coat
      - Driving Lanes: 23 mils wet base coat + 32 mils intermediate coat + 32 mils top coat.
  - Application:
    - The traffic membrane manufacturer shall supply all accessory materials including aggregates, sheet flashings, joint sealants, and substrate repair materials. Provide written verification from manufacturer of all products not shown in manufacturers standard details and/or applicators manual.
    - Contractor qualifications: Contractor shall be qualified in the field of concrete repair and protection with a successful performance record of five (5) years or more. Contractor shall maintain qualified personnel who have received product training by a manufacturer's representative.
    - Before traffic coating installation begins, the manufacturer's representative shall inspect the substrates, areas, and condition, with contractor/installer present, for compliance with requirements for surface smoothness, surface moisture, and other conditions affecting performance of traffic coating.
  - Special Warranty:
    - Manufacturer's standard material and labor warranty in which manufacturer and applicator agree to repair or replace material that fail within Warranty Period:
      - Five years from date of Substantial Completion.

F. CONSTRUCTION

- Coordinate the sizes and locations of all miscellaneous metal items required for mechanical and electrical.
- Requirements for embedded items, sleeves, block outs, duct openings, etc., in the concrete frame shall be submitted (plans and details) to the Structural Engineer for approval at least two weeks prior to the proposed date of casting concrete. No such items, other than those shown, shall be provided in the structure without the approval of the structural engineer.
- Provide adequate shoring or bracing during construction to resist forces such as wind and unbalanced loading due to construction.
- Protect existing building as required until all new construction is complete.
- Verify all dimensions of or to existing construction. Any variation from that shown on plans shall be brought to the attention of the Architect/Engineer before proceeding.
- Haul off and properly dispose of all material demolished from the site unless specifically directed otherwise by the Owner.
- Field verify the location and depth (or height) of all utilities prior to beginning construction in order to provide adequate clearances and to ensure noninterruption of service.
- Before core drilling any holes, locate the reinforcing steel in the existing concrete with R-meter. Relocate the hole to avoid cutting any rebars. Do not drill holes through existing rebars unless acceptable to the Structural Engineer. Do not overcut any holes.
- Cut openings in existing concrete slabs and walls with a power saw to prevent vibration and damage of surrounding structure.
- Core drill corners of openings in existing concrete slabs and walls prior to saw cutting. Size of core shall be sufficient to prevent saw overrun.
- During welding or any other construction activity that generates sparks or intense heat, the Contractor shall provide adequate fire protection to the existing structure and contents. At a minimum provide the following:
  - Remove combustible materials from areas of welding and sparks.
  - Provide fire proof blankets and shields to contain sparks where combustible materials cannot be removed.
  - Provide a fire safety observer with a fire extinguisher on both the roof and below the roof during welding near the roof structure.

- Dust control measures will be necessary during work inside existing building. Install plastic barrier to isolate construction activities from the remainder of building. Air will need to be exhausted and filtered through building openings.
  - Coordinate all activities through existing building with owner's representative prior to occurrence.
- Light fixture, conduit, and plumbing pipe removal and reinstallation is incidental to repairs.

G. SPECIAL INSPECTION

- The following tests and inspection shall be performed by an independent inspection agency employed by the owner and approved by the structural engineer and the building official. Test and inspection reports shall be submitted to the owner, architect, structural engineer, and building official. Special inspection shall conform to Chapter 17 of the 2015 International Building Code, as well as conforming to the items listed below.
 

Special Inspection requirements:	Continuous	Periodic
2. Reinforced concrete - 2015 IBC Table 1705.3		
a. Verification of required mix design.		X
b. Sampling concrete, compressive strength		X
cylinders, slump, air content.		X
c. Inspection of concrete placement.		X
d. Inspection of curing techniques.		X
3. Post-Installed Anchors		
a. Epoxy adhesive anchors not in continuous tension		X

REPAIRS SCHEDULE			
REPAIR MARK	REPAIR TYPE	REPAIR DETAILS	APPROX. QUANTITY
R1	<b>FULL DEPTH CONCRETE SLAB REPAIR</b> a. Locations of repairs shown on drawings are general in nature. Additional locations of repair may exist. Contractor to determine exact location, shape and size of repair. b. Contractor shall chain drag all elevated slabs and mark limits of delaminations/debonding. c. Verify limits of concrete removal with Engineer prior to completion of patching. d. Remove all unsound and sound concrete as required to provide clearance. around exposed reinforcing. Remove all delaminated concrete from site. e. Refer to General Notes, Concrete Repair Notes, Specifications, and Details.	1/5-201 5/5-201 6/5-201 7/5-201	525 SF
R2	<b>PARTIAL DEPTH VERTICAL REPAIR</b> a. Locations of repairs shown on drawings are general in nature. Additional locations of repair may exist. Contractor to determine exact location, shape and size of repair. b. Contractor shall sound all vertical surfaces and mark limits of delaminations/debonding. c. Verify limits of concrete removal with Engineer prior to completion of patching. d. Remove all unsound and sound concrete as required to provide clearance. around exposed reinforcing. Remove all delaminated concrete from site. e. Refer to General Notes, Concrete Repair Notes, Specifications, and Details.	2/5-201	55 SF
R3	<b>PARTIAL DEPTH OVERHEAD CONCRETE BEAM REPAIR</b> a. Locations of repairs shown on drawings are general in nature. Additional locations of repair may exist. Contractor to determine exact location, shape and size of repair. b. Contractor shall sound all overhead surfaces and mark limits of delaminations/debonding. c. Verify limits of concrete removal with Engineer prior to completion of patching. d. Remove all unsound and sound concrete as required to provide clearance. around exposed reinforcing. Remove all delaminated concrete from site. e. Refer to General Notes, Concrete Repair Notes, Specifications, and Details.	3/5-201	375 SF
R4	<b>EPOXY CRACK INJECTION REPAIRS</b> a. Install manufacturer's recommended ports at specified locations. b. Apply epoxy cap seal between ports. c. Inject epoxy into concrete using recommended pumps from manufacturer. d. Remove cap seal after epoxy has hardened.	4/5-201	110 LF
R5	<b>TOP STEEL CORROSION FULL DEPTH SLAB REPAIR</b> a. Locations of repairs shown on drawings are general in nature. Additional locations of repair may exist. Contractor to determine exact location, shape and size of repair. b. Contractor shall sound all overhead surfaces and mark limits of delaminations/debonding. c. Verify limits of concrete removal with Engineer prior to completion of patching. d. Remove all unsound and sound concrete as required to provide clearance. around exposed reinforcing. Remove all delaminated concrete from site. e. Refer to General Notes, Concrete Repair Notes, Specifications, and Details.	1/5-201 5/5-201 6/5-201 7/5-201	425 SF
R6	<b>TRAFFIC MEMBRANE (VEHICULAR) PATCHING</b> a. Base bid number includes membrane reinstallation at locations of slab repair. b. Contractor to locate areas of deteriorated and debonded membrane. c. Remove all deteriorated and debonded existing traffic waterproofing membrane. d. Clean adjacent waterproofing at each repair for a minimum 6 inch wide perimeter. e. Areas shall receive full system.	5/5-202 6/5-202	1680 SF
R7	<b>REPAIRS OVER PEDESTRIAN TUNNEL</b> a. Excavate existing roadway and sidewalk as required to access and perform repair work on tunnel, or more if required for access and safety. Remove sidewalk over expansion joint. b. Excavate down side of existing tunnel at vertical expansion joint. c. Clean and prepare existing pedestrian tunnel roof, wall, and expansion joints in accordance with Manufacturer's Printed Installation Instructions. d. Apply sheet applied waterproofing to top and side of tunnel for a distance of five feet down the length of the tunnel. Sheet applied waterproofing shall extend the entire width of the tunnel and below grade to the top of footing. e. Overlap existing waterproofing system minimum of 12 inches. Verify compatibility of sheet applied waterproofing with existing waterproofing system. f. Replace paving for roadway and sidewalk. Replace expansion joints.	5-203	1 LS
R8	<b>HYDROPHILIC INJECTIONS IN PEDESTRIAN TUNNEL</b> a. Clean and prepare substrate to expose crack at surface. b. Seal surface of crack and drill holes for injection. Clean holes as required. c. Mix product and inject according to Manufacturer's Printed Installation Instructions. d. Remove ports and excess material from substrate. Perform miscellaneous painting around cracks and areas of water staining.	4/5-201	40 LF
R9	<b>PAINTING/RESTRIPING PARKING STALLS</b> a. Restripe all traffic markings, including stall numbers, for the whole garage.	5-110 5-111	1 LS
R10	<b>PARTIAL DEPTH SLAB REPAIR OVER BEAM</b> a. Locations of repairs shown on drawings are general in nature. Additional locations of repair may exist. Contractor to determine exact location, shape and size of repair. b. Contractor shall chain drag all elevated slabs and mark limits of delaminations/debonding. c. Verify limits of concrete removal with Engineer prior to completion of patching. d. Remove all unsound and sound concrete as required to provide clearance. around exposed reinforcing. Remove all delaminated concrete from site. e. Refer to General Notes, Concrete Repair Notes, Specifications, and Details.	9/5201	325 SF

STRUCTURAL REPAIRS SCHEDULE



CERTIFICATE OF AUTHORITY #000396

STRUCTURAL ENGINEERING ASSOCIATES INCORPORATED  
1000 Walnut, Suite 1570  
Kansas City, MO 64106  
www.seaassociates.com



OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

STRUCTURAL REPAIRS

CAPITOL COMPLEX  
PARKING GARAGE/CAPITOL  
CIRCULAR-SENATE  
JEFFERSON CITY, MISSOURI

PROJECT # O1817-01  
SITE # 1001  
FACILITY # 3101001043

REVISION: Addendum 01  
DATE: 03 June 2020  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 15 May 2020

CAD DWG FILE: S-GEN-01  
DRAWN BY: LGC  
CHECKED BY: PDS  
DESIGNED BY: PDS

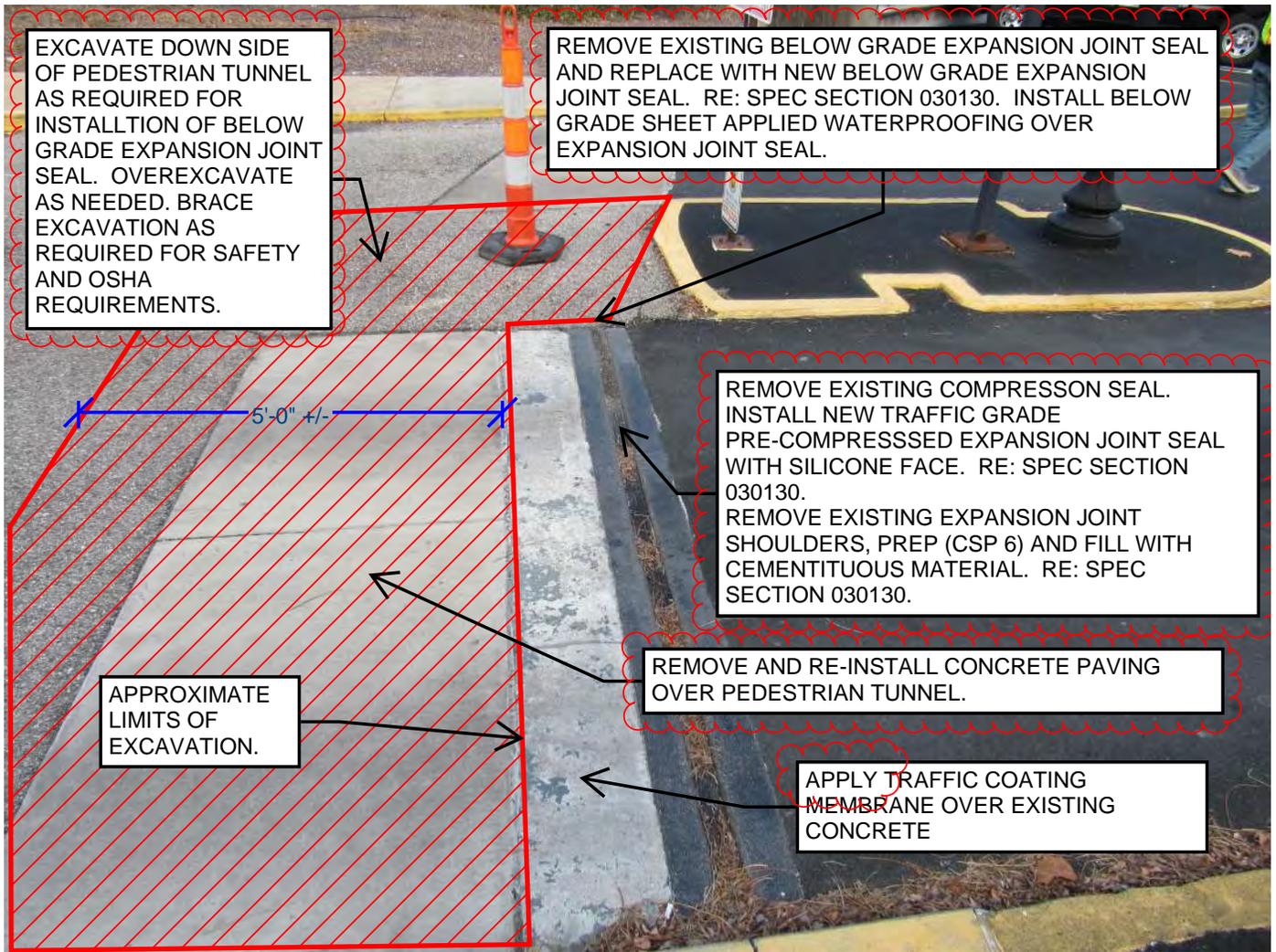
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GENERAL NOTES AND  
REPAIR SCHEDULE

SHEET NUMBER:

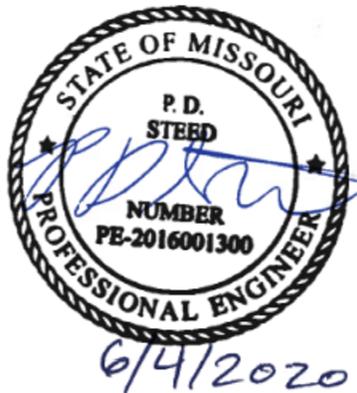
**S-100**

SHEET 2 OF 12

May 15, 2020

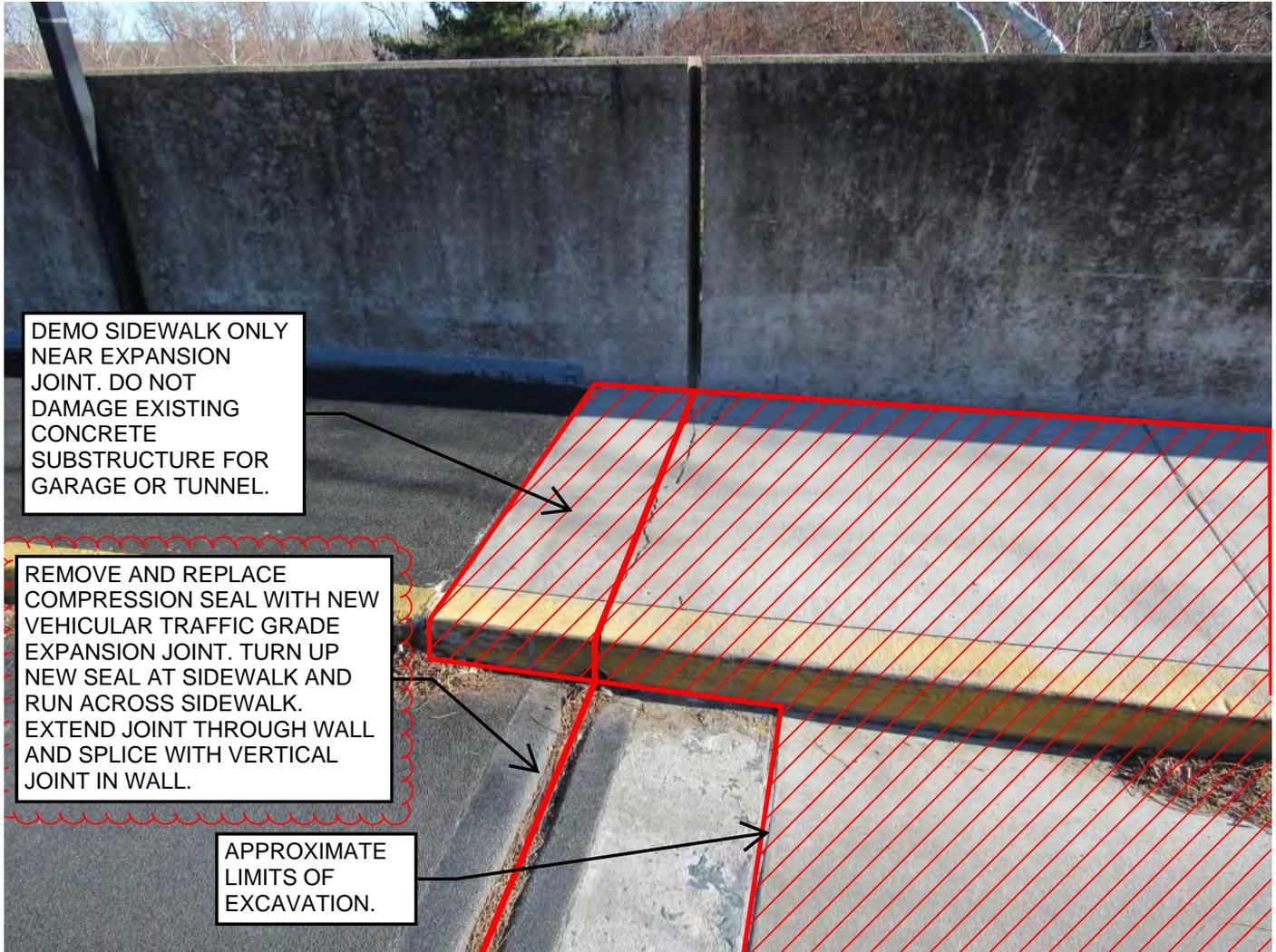


# 4 DRIVE LANE



## SDS-01

 <p><b>STRUCTURAL ENGINEERING ASSOCIATES</b>          1000 Walnut, Suite 1570          Kansas City, Missouri 64106          Missouri Certificate of Authority: 000396</p>	<p>STRUCTURAL REPAIRS          CAPITOL COMPLEX          PARKING GARAGE/CAPITOL CIRCULAR-SENATE          JEFFERSON CITY, MISSOURI</p>	<p>JOB NO: 01817-01          DATE: 06/04/2020          ADD. 01 DETAIL 4/S203          DRAWN BY: LEF          CHECKED BY: PDS</p>
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# 5 SIDEWALK



## SDS-02

 <p><b>STRUCTURAL ENGINEERING ASSOCIATES</b>          1000 Walnut, Suite 1570 Phone: 816/421-1042          Kansas City, Missouri 64106 Fax: 816/421-1061          Missouri Certificate of Authority: 000396</p>	<p>STRUCTURAL REPAIRS          CAPITOL COMPLEX          PARKING GARAGE/CAPITOL CIRCULAR-SENATE          JEFFERSON CITY, MISSOURI</p>	<p>JOB NO: 01817-01          DATE: 06/04/2020          Addendum 01 Detail 5/S203          DRAWN BY: LEF          CHECKED BY: PDS</p>
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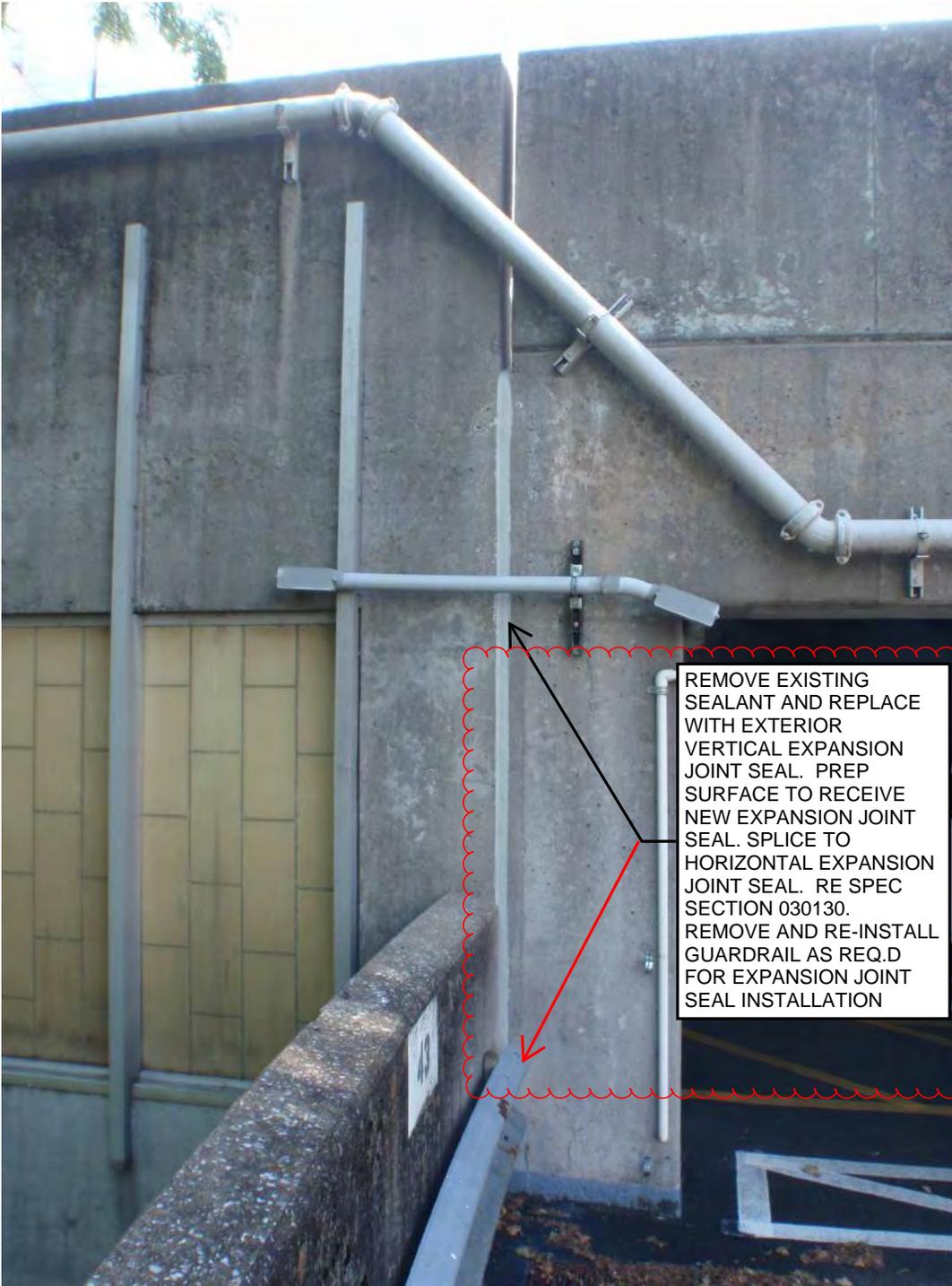


# 6 PEDESTRIAN TUNNEL



SDS-03

 <p><b>STRUCTURAL ENGINEERING ASSOCIATES</b>          1000 Walnut, Suite 1570          Kansas City, Missouri 64106          Missouri Certificate of Authority: 000396</p>	<p>STRUCTURAL REPAIRS          CAPITOL COMPLEX          PARKING GARAGE/CAPITOL CIRCULAR-SENATE          JEFFERSON CITY, MISSOURI</p>	<p>JOB NO: 01817-01          DATE: 06/04/2020          Addendum 01 Detail 6/S203          DRAWN BY: LEF          CHECKED BY: PDS</p>
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6/4/2020

REMOVE EXISTING SEALANT AND REPLACE WITH EXTERIOR VERTICAL EXPANSION JOINT SEAL. PREP SURFACE TO RECEIVE NEW EXPANSION JOINT SEAL. SPLICE TO HORIZONTAL EXPANSION JOINT SEAL. RE SPEC SECTION 030130. REMOVE AND RE-INSTALL GUARDRAIL AS REQ.D FOR EXPANSION JOINT SEAL INSTALLATION

# 8 EXTERIOR VERTICAL JOINT

# SDS-04

	<b>STRUCTURAL ENGINEERING ASSOCIATES</b>
	1000 Walnut, Suite 1570 Kansas City, Missouri 64106 Missouri Certificate of Authority: 000396
	Phone: 816/421-1042 Fax: 816/421-1061

STRUCTURAL REPAIRS  
 CAPITOL COMPLEX  
 PARKING GARAGE/CAPITOL CIRCULAR-SENATE  
 JEFFERSON CITY, MISSOURI

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