WALKER CONSULTANTS
525 Avis Drive Suite 1
Ann Arbor, MI 48108
734.663.1070 Ph
walkerconsultants.com

WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
#1, #4, #5, & #6 REPAIRS AND MAINTENANCE
DETROIT, MICHIGAN

WSU PROJECT NO: 051-350364 (PS #1) 613-350365 (PS #4) 045-350366 (PS #5) 088-350367 (PS #6)

PROJECT NO: 20-002301.00

SITE LOCATION MAP

BIDDING & CONSTRUCTION
03/24/2022
1. OWNER WILL CONTINUE TO USE STRUCTURES DURING RESTORATION. CONTRACTOR IS RESPONSIBLE FOR PROPER AND TIMELY REMOVAL OF CONSTRUCTION DEBRIS ON A DAILY BASIS, AND THE SITE SHALL BE LEFT IN A NEAT CONDITION.

2. CONSTRUCTION DOCUMENTS RELY ON THE ORIGINAL DRAWINGS. CONTRACTOR TO SUBMIT SEALED DRAWINGS AND AS-BUILT CONDITIONS TO THE APPLICABLE CODES, LAWS OR ORDINANCES AND REQUEST CLARIFICATION FROM THE ENGINEER PRIOR TO COMPLETION OF WORK. REFER TO SECTION 020010 FOR SPECIFIC USES.

3. CONSTRUCTION WORK AS BUILT outline the final work that is to be provided for the project. This outline is detailed by the architect and engineer of record. The work that is to be performed is defined in the construction documents. The work as built shall provide a complete, accurate, and reliable record of the original and work installed during the construction phase.

4. POST INSTALLED ANCHORS

5. P-T REPAIRS AND DE-TENSIONING PROCEDURES SHALL BE REVIEWED AT AN ISSUE DATE: January 31, 2022. POST INSTALL ANCHOR HOLES SHALL BE DRILLED USING A HAMMER DRILL. CORING DRILLING HOLES WILL NOT BE PERMITTED WITHOUT ENGINEER'S APPROVAL FOR EACH INSTALLATION LOCATION.

6. TEMPORARY VEHICLE HEAD ROOM HEIGHT: AS POSTED AT GARAGE ENTRANCE PERMITTED. ADDITIONAL HEAD ROOM HEIGHT MAY BE REQUIRED WHEN THE WORK IS DEEMED NECESSARY TO PROVIDE ADDITIONAL SPACE FOR PASSENGERS.

7. WHEN THE DETAIL IS LABELED FOR REFERENCE ONLY IT PROVIDES INFORMATION TO BE USED FOR ASSEMBLY OF DETAILS OR AS A GUIDE TO THE WORK TO BE PERFORMED. IT PROVIDES INFORMATION REGARDING THE DETAILS FOR THE TEMPORARY SUPPORT OF NEW AND EXISTING CONSTRUCTION TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

8. EPOXY COAT ALL REINFORCEMENT, EXCEPT WELDED WIRE REINFORCEMENT, IN CAST CONCRETE COVER. FLY ASH: 25%, MATERIALS INCLUDES CEMENT, SLAG, AND FLY ASH.
1. Contractor shall be allowed to close a maximum of one (1) level or area at one time, with permission from the Owner/Engineer. No level or area shall be closed for more than five (5) days at one time. Multiple level closures shall be permitted with permission from the Owner/Engineer.

2. Contractor shall be allowed to close any level or area for a maximum period of two (2) working days. Multiple level closures shall be permitted with permission from the Owner/Engineer.

3. All levels or areas shall be closed for a minimum period of two (2) working days. Multiple level closures shall be permitted with permission from the Owner/Engineer.

4. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

5. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

6. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

7. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

8. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

PS #5 PHASING NOTES:

1. All concrete work at PS#5 shall be completed by July 31, 2022.

2. Contractor shall be allowed to close a maximum of one (1) level or area at one time, with permission from the Owner/Engineer. No level or area shall be closed for more than five (5) days at one time. Multiple level closures shall be permitted with permission from the Owner/Engineer.

3. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

4. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

5. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

6. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

7. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.

8. Contractor shall submit a Phasing Plan for owner/engineer approval prior to starting any work.
1. Physical and/or repair locations shown. Actual, work shall be performed with channels and/or repairs.
2. Localized closures shall not create dead ends and shall maintain vehicle access to all open areas of the structure.
3. Any work that affects access to elevators or elevator towers at all times.
4. Work performed by the contractor shall be performed with channels and/or repairs appropriate to existing conditions prior to start of work to ensure all unnecessary work & control measures are maintained and needed temporary support provided necessary to maintain the existing conditions of the structure.
5. Elevator towers shall be coordinated in advance with WSU.
6. Work performed by the contractor shall be performed with channels and/or repairs appropriate to existing conditions prior to start of work to ensure all unnecessary work & control measures are maintained and needed temporary support provided necessary to maintain the existing conditions of the structure.
7. Elevator towers shall be coordinated in advance with WSU.
8. Contractor shall be responsible to protect all parking equipment, landscaping, and other existing features for duration of project.
9. Existing ceiling repairs at all times that structure is open. If notice of concrete pours, material deliveries, etc. through the structure where existing conditions exist.
10. All vehicles associated with parking in and out of parking areas.
11. All vehicles associated with parking in and out of parking areas shall be moved to the site as needed throughout the project.
12. Contractor may close 1st stair tower at a time.
13. Any work that affects access to elevators or elevator towers at all times.
15. Provide WSU a minimum of (5) days advance notice of concretes pours, material deliveries, etc. throughout the project.
16. Notice of concrete pours, material deliveries, etc. through the structure where existing conditions exist.
17. Contractor shall be responsible to protect all parking equipment, landscaping, and other existing features for duration of project.
18. Work performed by the contractor shall be performed with channels and/or repairs appropriate to existing conditions prior to start of work to ensure all unnecessary work & control measures are maintained and needed temporary support provided necessary to maintain the existing conditions of the structure.
19. Work performed by the contractor shall be performed with channels and/or repairs appropriate to existing conditions prior to start of work to ensure all unnecessary work & control measures are maintained and needed temporary support provided necessary to maintain the existing conditions of the structure.
20. All vehicles associated with parking in and out of parking areas.
21. All vehicles associated with parking in and out of parking areas shall be moved to the site as needed throughout the project.
22. Contractor may close 1st stair tower at a time.
23. Any work that affects access to elevators or elevator towers at all times.
24. No dead ends allowed. Phase repairs accordingly.
NOTE: ALL WORK IDENTIFIED IN BAYS 7 & 8 ARE ALTERNATE (ALL LEVELS).

S.O.G.
CONFIRM WITH WSU IF ALTERNATE WORK ITEMS ARE ACCEPTED.

W.I. 4.1A - CEILING REPAIRS
W.I. 4.2 - CEILING REPAIRS

LEVEL 3 FLOOR
STRUCTURE #1

WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
R-102

BIDDING AND CONSTRUCTION

DRAWN BY:

WAYNE STATE UNIVERSITY

REVISIONS

ISSUE DATE:

DRAWING SCALE:

CLARIFICATION DETAIL NO.

SHEET TITLE:

WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
R-102

BIDDING AND CONSTRUCTION

DRAWN BY:

WAYNE STATE UNIVERSITY

REVISIONS

ISSUE DATE:

DRAWING SCALE:

CLARIFICATION DETAIL NO.

SHEET TITLE:

WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
R-102

BIDDING AND CONSTRUCTION

DRAWN BY:

WAYNE STATE UNIVERSITY

REVISIONS

ISSUE DATE:

DRAWING SCALE:

CLARIFICATION DETAIL NO.

SHEET TITLE:
3. All Concrete Deck & Placement, & All-P/T System Related Scope & Perform/Supervised by P/T Certified at P/T Location.

5. All Concrete Deck & Placement, & All-P/T System Related Scope & Perform/Supervised by P/T Certified at P/T Location.


12. See Sheet R-106 For Phasing Notes.

Additional notes on the sheet include:

- **REVISIONS**
- **CHECKED BY:**
- **DRAWN BY:**
- **ISSUE DATE:**
- **ISSUE:**
- **PROJECT NO:**
- **PLAN:**
- **LEVEL 1 FLOOR STRUCTURE #4**
- **SHEET TITLE:**
- **DESCRIPTION**
- **WORK ITEM/DETAIL NO.**
- **LEGEND**
- **WAYNE STATE UNIVERSITY**
- **BIDDING AND CONSTRUCTION**

The diagram includes various symbols and labels indicating specific areas of the structure, such as concrete walls, expansion joints, and traffic topping repair areas. The text notes the need for precautions when cutting near shallow tendons to avoid damaging existing tendons or tendon systems. The cutting should be done with caution to not damage the existing tendon systems or tendon placement systems. The project includes specific requirements for joint locations and the use of 15 lb hammers in lieu of saw sheaths in certain areas.
ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CUTOFF NEAR SHALLOW TENDONS.

CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW THE FLOOR SLAB HAS POST

CAUTION NOTE:

1. WI'S 3.6, 4.1B, 5.4, & 5.5 OCCUR ON UNDERSIDE OF LEVEL 2 EXPOSED DURING TRAFFIC TOPPING REMOVAL SUPERVISED BY FIRM CERTIFIED BY PTI. RELATED WORK AND REPAIRS SHALL BE PERFORMED & PERMITS AS NEEDED PER W.I. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE. TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

2. PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN TRAFFIC TOPPING AREAS AS SHOWN. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.

3. FLOOR SLABS CONTAIN EMBEDDED POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

4. WI'S SERIES 16.0 - TRAFFIC TOPPING. REMAINING WORK ITEMS OCCUR ON LEVEL 1 THROUGHOUT ENTIRE STRUCTURE PER WI 4.9 AT START OF STRUCTURE PER WI 45.1. SEE SECTION 020010 FOR TRAFFIC TOPPING REPAIR AREAS AS NEEDED.

5. WI'S SERIES 3.0 - EXPANSION JOINT. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.

6. S.O.G CONTAINS EMBEDDED CONDUIT/WIRING. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

7. WI'S 4.9 OR 5.4 - CEILING/CEILING SPALL OR DELAMINATION. REMAINING WORK ITEMS OCCUR ON PROJECT. INCLUDES EXTERIOR FACADE.

8. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM REMOVALS WITH CAUTION TO NOT DAMAGE. TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

9. RESEAL JOINTS/CRACKS PER W.I. SERIES 11.0 WHEN EXPOSED DURING TRAFFIC TOPPING REMOVAL SUPERVISED BY FIRM CERTIFIED BY PTI. RELATED WORK AND REPAIRS SHALL BE PERFORMED & PERMITS AS NEEDED PER W.I. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE. TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

10. SEE SHEET R-002 FOR PHASING NOTES.
ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW SHEATHS.

CAUTION NOTE:

1. CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE.
2. RELATED WORK AND REPAIRS SHALL BE PERFORMED & SERIES 21.0.
3. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION.
4. TOPSIDE OF LEVEL SHOWN.
5. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.
6. PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE.
7. THROUGHOUT ENTIRE STRUCTURE PER WI 4.9 AT START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)
8. SHEET NOTES (FOR WORK ITEMS WITH DETAILS)
9. WORK ITEM / DETAIL IDENTIFICATION OPERATIONS.
10. SUPERVISED BY FIRM CERTIFIED BY PTI.

NOTE: SIDE TREES INDICATE A PERSONAL WORK ZONE. THE WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: EDGE OF WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)

NOTE: WORK ZONE MUST BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK & PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN Sheet Notes (FOR WORK ITEMS WITHOUT DETAILS)
CUTTING NEAR SHALLOW TENDONS. CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW THE FLOOR SLAB HAS POST

CAUTION NOTE:

TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT

TAR

- TENSIONING TENDONS. THESE TENDONS TAR

- ALT, TAR

- TYP INC

- FD

- CJ

3. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE

4. REPLACE ALL TRAFFIC MARKINGS THROUGHOUT SPECIFIC REQUIREMENTS.

5. WI'S 3.6, 4.1B, 5.4, & 5.5 OCCUR ON UNDERSIDE OF LEVEL SERIES 21.0.

6. S.O.G CONTAINS EMBEDDED CONDUIT/WIRING. LOCATE RELATED WORK AND REPAIRS SHALL BE PERFORMED & PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. LOCATE PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.

7. FLOOR SLABS CONTAIN EMBEDDED POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM UNCOVERED. PERFORM P/T REPAIRS AS NEEDED PER W.I. SERIES 21.0. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION SHOWN (TYP). REMAINING WORK ITEMS OCCUR ON LEVEL 4 OR HIGHER.

8. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM RELATED WORK AND REPAIRS SHALL BE PERFORMED & IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF OPERATIONS.

9. RESEAL JOINTS CRACKS PER W.I. SERIES 41.4 AT START OF OPERATIONS. INCLUDES EXTERIOR FACADE. THROUGHOUT ENTIRE STRUCTURE PER WI 45.1. SEE SECTION 020010 FOR SPECIFIC REQUIREMENTS.

10. SEE SHEET R-002 FOR PHASING NOTES.
SU_RENOVATIONS.rvt

CUTTING NEAR SHALLOW TENDONS.
CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW SHEATHS.
CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS.
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT.

1. REPRESENTATIVE AND GENERAL REPAIR LOCATIONS
2. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE SUPERVISED BY PTI CERTIFIED WORKER.
3. REPLACE ALL TRAFFIC MARKINGS THROUGHOUT STRUCTURE PER WI 4.9 AT START OF PROJECT. INCLUDE EXISTING PAINT.
4. WI'S 11.1, 11.2, 11.4 AND 11.7 OCCUR ON TOPSIDE OF LEVEL SHOWN (TYP). REMAINING WORK ITEMS OCCUR ON UNCOVERED. PERFORM P/T REPAIRS AS NEEDED PER W.I.
5. WI'S 3.6, 4.1B, 5.4, & 5.5 OCCUR ON UNDERSIDE OF LEVEL SHOWN (TYP). NOTIFY ENGINEER OF ANY P/T SYSTEM DEGRADATION RELATED WORK AND REPAIRS SHALL BE PERFORMED & PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.
6. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE. NOTIFY ENGINEER OF ANY P/T SYSTEM DEGRADATION PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.
7. FLOOR SLABS CONTAIN EMBEDDED POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM OPERATIONS.
8. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE. NOTIFY ENGINEER OF ANY P/T SYSTEM DEGRADATION PRIOR TO SAWCUTTING OR CONCRETE REMOVALS.
9. RESEAL JOINTS, CRACKS PER W.I. SERIES 11.0 WHEN EXPOSED DURING TRAFFIC TOPPING REMOVAL OPERATIONS.
10. SEE SHEET R-506 & R-507 FOR PHASING NOTES.

LEVEL 5 FLOOR PLAN

LEGEND
- EXPANSION JOINT
- SERIES 21.0 - NEW SUPPLEMENTAL FLOOR DRAIN
- SERIES 25.2 - EXISTING FLOOR DRAIN

WORK ITEM / DETAIL IDENTIFICATION
- WORK ITEM NUMBER
- CLARIFICATION ITEM NO.
- KEY NUMBER
- SHEET NUMBER
- CLARIFICATION ITEM NO.
- WORK ITEM NUMBER
- SHEET NUMBER

WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
#1, #4, #5, #6 REPAIRS AND MAINTENANCE

BIDDING AND CONSTRUCTION

DEPARTMENT OF THE	PLAANS	SECTORS	REVISIONS	DESCRIPTION	CHECKED BY:

PS #4 LEVEL 5
ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CUTTING NEAR SHALLOW TENDONS. CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW SHEATHS. CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW THE FLOOR SLAB HAS POST CAUTION NOTE:

1. REPRESENTATIVE AND GENERAL REPAIR LOCATIONS
2. PERFORM SEALANT WORK (WI'S 11.1, 11.2, 11.4 & 11.7) IN REPAIR AREAS AS NEEDED THROUGHOUT ENTIRE STRUCTURE PER WI 45.1.  SEE SECTION 020010 FOR TRAFFIC TOPPING REPAIR AREAS AS NEEDED.
3. REPLACE ALL TRAFFIC MARKINGS THROUGHOUT STRUCTURE PER WI 3.6, 4.1B, 5.4, & 5.5 OCCUR ON UNDERSIDE OF LEVEL 6 FLOOR SLABS.
4. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE EXPOSED DURING TRAFFIC TOPPING REMOVAL OPERATIONS.
5. WI'S 3.6, 4.1B, 5.4, & 5.5 OCCUR ON UNDERSIDE OF LEVEL 6 FLOOR SLABS.
6. S.O.G CONTAINS EMBEDDED CONDUIT/WIRING. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE.
7. FLOOR SLABS CONTAIN EMBEDDED POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE.
8. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM REPAIRS TO BE SUPERVISED BY FIRM CERTIFIED BY PTI. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION OCCURS DURING TRAFFIC TOPPING REMOVAL OPERATIONS.
9. RESEAL JOINTS/CRACKS PER W.I. SERIES 11.0 WHEN NOTIFIED ENGINEER OF ANY P/T SYSTEM DETERIORATION OCCURS DURING TRAFFIC TOPPING REMOVAL OPERATIONS.
10. SEE SHEET R-002 FOR PHASING NOTES.
ARE NEAR THE FLOOR SURFACE AT SPALLS AND DELAMINATIONS. THE CUTTING NEAR SHALLOW TENDONS. CHIPPING WITH 15 LB HAMMERS SHALL BE USED IN LIEU OF SAW CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON THE FLOOR SLAB HAS POST-TENSIONED TENDONS. THESE TENDONS MAY BREAK WITH EXPLOSIVE FORCE WHEN CUT. TENSIONING TENDONS ALSO CONTAIN EMBEDDED CONDUIT/WIRING. LOCATE PRIOR TO SAWCUTTING OR CONCRETE REMOVALS WITH CAUTION TO NOT DAMAGE. TOPSIDE OF LEVEL SHOWN. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE SHOWN (TYP). REMAINING WORK ITEMS OCCUR ON PROJECT. INCLUDES EXTERIOR FACADE. ALL CONCRETE DEMO & PLACEMENT, AND ALL P/T SYSTEM RELATED WORK AND REPAIRS SHALL BE PERFORMED & PROCEEDED TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS. NOTIFY ENGINEER OF ANY P/T SYSTEM DETERIORATION OR UNCOVERED. PERFORM P/T REPAIRS AS NEEDED PER W.I. серии 21.0. ALL CONCRETE REMOVALS AND EXISTING FLOOR DRAIN SD SHOULD BE PERFORMED & SUPERVISED BY P.T. CERTIFIED PERSON WITH A BIDDER’S FIRM OR DETAILED WRITTEN APPROVAL. PERFORM SEALANT WORK (W.I.’S 11.1, 11.2, 11.4 & 11.7) IN AREA OF FLOOR TO CEILING POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM SEE SHEET R-002 FOR PHASING NOTES. REPAIR AREAS AS NEEDED. RESEAL JOINTS. CRACKS PER W.I. SERIES 11.0 WHEN SEE SECTION 020010 FOR TRAFFIC TOPPING REPAIR AREAS AS NEEDED. SAND & PLACEMENT, AND ALL P/T SYSTEM REPLACES STORED MATERIALS SHALL BE PERFORMED & SUPERVISED BY P.T. CERTIFIED PERSON WITH A BIDDER’S FIRM OR DETAILED WRITTEN APPROVAL. FLOOR SLABS CONTAIN EMBEDDED POST-TENSIONED TENDONS. LOCATE PRIOR TO START OF WORK & PERFORM PROCEED WITH CAUTION TO NOT NICK, CUT, OR DAMAGE. PRIOR TO SAWCUTTING OR CONCRETE REMOVALS. SEE SPECIFICATIONS.
CUTTING NEAR SHALLOW TENDONS. SHEATHS.
CUTTING SO AS NOT TO DAMAGE EXISTING TENDONS OR TENDON CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN SAW THE FLOOR SLAB HAS POST
A1
B1
B3
C
B
127'-0" 18'-0" 45'-6" 32'-0" 13'-10" 17'-8" 127'-0" 18'-0" 27'-0" TENSIONING TENDONS. THESE TENDONS INC
CJ 9 9.3 ALT (AT 25.2 ALT (AT 9.2 TAR 9.4 TAR 9.4 INC 11.4 TAR 21.0 INC 372'-0" 372'-0" 16 10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
10.8 EJ 10.8 ALT 10.8 ALT 10.6 ALT 41.2 10.6 ALT 41.4A ALT 10.6 ALT 3.6 CJ TAR 3.6EJ TAR 5.4 EJ 5.5 TAR 5.4 TAR 5.4 INC 16.1 INC INC 372'-0" 372'-0" 16
1. REPRESENTATIVE REPAIR LOCATIONS ARE SHOWN. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.

2. PERFORM TEE STEM TEST OPENING PER W.I. 8.2 AT LOCATIONS SHOWN. ALLOW ENGINEER TO OBSERVE CONDITIONS AT TEE STEM TEST OPENING, AND REPAIR STEM AS NEEDED / DIRECTED BY ENGINEER PER W.I. SERIES 8.0.

3. W.I.'S 5.1, 5.2, 8.1, 8.2, 8.3, 8.4, AND 8.5, OCCUR ONUnderside of LEVEL SHOWN. REMAINING W.I.'S OCCUR ON TOPSIDE OF LEVEL SHOWN. VERIFY IN FIELD WITH ENGINEER.

4. SOUND FLOORS AND OBSERVE CEILINGS TO IDENTIFY AND MARK PARTIAL AND FULL-DEPTH FLOOR REPAIR LOCATIONS (W.I. SERIES 3.1C / 3.3C) IN FIELD WITH ENGINEER.

5. INSTALL, MAINTAIN, AND RELOCATE TEMPORARY SIGNAGE AND BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK AND AS NEEDED THROUGHOUT THE PROJECT.

6. REPLACE TRAFFIC MARKINGS (W.I. 45.1) AFTER COMPLETION OF WORK. REFER TO SECTION 020010.

7. REMOVE LOOSE SECTIONS OF CONCRETE FROM ALL OVERHEAD SURFACES (ALL LEVELS, INCLUDING EXTERIOR FACADE) PER W.I. 4.9.
1. REPRESENTATIVE REPAIR LOCATIONS ARE SHOWN. ACTUAL EXTENT AND EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.

2. PERFORM TEE STEM TEST OPENING PER W.I. 8.2 AT LOCATIONS SHOWN. ALLOW ENGINEER TO OBSERVE CONDITIONS AT TEE STEM TEST OPENING, AND REPAIR STEM AS NEEDED / DIRECTED BY ENGINEER PER W.I. SERIES 8.0.

3. W.I.'S 5.1, 5.2, 8.1, 8.2, 8.3, 8.4, AND 8.5, OCCUR ON UNDERSIDE OF LEVEL SHOWN. REMAINING W.I.'S OCCUR ON TOPSIDE OF LEVEL SHOWN. VERIFY IN FIELD WITH ENGINEER.

4. SOUND FLOORS AND OBSERVE CEILINGS TO IDENTIFY AND MARK PARTIAL AND FULL-DEPTH FLOOR REPAIR LOCATIONS (W.I. SERIES 3.1C / 3.3C) IN FIELD WITH ENGINEER.

5. INSTALL, MAINTAIN, AND RELOCATE TEMPORARY SIGNAGE AND BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK AND AS NEEDED THROUGHOUT THE PROJECT.

6. REPLACE TRAFFIC MARKINGS (W.I. 45.1) AFTER COMPLETION OF WORK. REFER TO SECTION 020010.

7. REMOVE LOOSE SECTIONS OF CONCRETE FROM ALL OVERHEAD SURFACES (ALL LEVELS, INCLUDING EXTERIOR FACADE) PER W.I. 4.9.
1. REPRESENTATIVE REPAIR LOCATIONS ARE SHOWN. DETAILS TO BE FIELD DETERMINED PRIOR TO START OF WORK.

2. PERFORM THE ELEVATOR LOBBY OPENING FOR THE LEVEL 4 ELEVATOR PERMANENTLY PRIOR TO COMMENCING WORK. COMMUNICATE LEVEL 4 ELEVATOR REPAIRS TO ENGINEER FOR ADJUSTMENTS TO ELEVATOR CAGE AND OPENING LOCATION. OPENING COORDINATES TO BE SHOWN.

3. W.I.'S 5.1, 5.2, 8.1, 8.2, 8.3, 8.4, AND 8.5, OCCUR ON UNDERSIDE OF LEVEL SHOWN. REMAINING W.I.'S OCCUR ON TOPSIDE OF LEVEL SHOWN. VERIFY IN FIELD WITH ENGINEER.

4. SOUND FLOORS AND OBSERVE CEILINGS TO IDENTIFY AND MARK PARTIAL AND FULL-DEPTH FLOOR REPAIR LOCATIONS IN FIELD WITH ENGINEER.

5. INSTALL, MAINTAIN, AND RELOCATE TEMPORARY SIGNAGE AND BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK AND AS NEEDED THROUGHOUT THE PROJECT.

6. REPLACE TRAFFIC MARKINGS (W.I. 45.1) AFTER COMPLETION OF WORK. REFER TO SECTION 020010.

7. REMOVE LOOSE SECTIONS OF CONCRETE FROM ALL OVERHEAD SURFACES (ALL LEVELS, INCLUDING EXTERIOR FACADE) PER W.I. 4.9.

NOTES:

1. LOCATE ELEVATOR LOBBY REPAIRS IN FIELD WITH ENGINEER PRIOR TO START OF WORK.
DO NOT DAMAGE EMBEDDED TRAFFIC LOOPS OR PARCS EQUIPMENT. COORDINATE PHASING WITH WSU TO NOT INTERRUPT NORMAL FACILITY OPERATIONS (TYPICAL FOR ALL REPAIRS THAT AFFECT VEHICLE ENTRY/EXITS).
1. CONTRACTOR SHALL NOT EXCEED BID QUANTITIES (FOR WORK ITEMS WITHOUT DETAILS)

2. GENERAL FLOOR REPAIR LOCATIONS ARE SHOWN. EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER. LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER.

3. REFER TO DRAWING R-002 FOR PHASING & PARKING SPACE REQUIREMENTS IN FIELD. LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER.

4. ROUTE / SEAL MISC. FLOOR CRACKS ON SUPPORTED LEVELS PER W.I. 4.9. INCLUDES INSTALLATION OF SEALANTS ON LEVELS 2-5 LOCATED DURING RAIN EVENT, OR WATER TEST.

5. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 PER W.I. 11.2. LOCATE LEAKING JOINTS TO BE RESEALED ON LEVELS 6 & 7, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 PER W.I. 11.1.

6. REPLACE ALL WASH & COVE SEALANT ON LEVELS 6 & 7 PER W.I. 50.1. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK.

7. INSTALL COATING ON LEVELS 6 & 7 PER W.I. 16.1A, AND REPLACE ALL WASH & COVE SEALANT ON LEVELS 6 & 7 PER W.I. 50.1 IN FIELD WITH ENGINEER.

8. RE-STRIPE PAVEMENT MARKINGS PER REQUIREMENTS IN FIELD.

9. LOCATE SUPPLEMENTAL SHEAR CONNECTOR REPAIRS PER REQUIREMENTS IN FIELD.

10. NOTE: BREAK LINES USED ON DRAWINGS TO DENOTE PERFORMING REPAIRS THAT AFFECT ENTRY / EXITS IN STRUCTURE #6.

11. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE WALLS ON ALL SUPPORTED LEVELS PER W.I. SEE ALT. W.I.'S 16.1C & 16.1D FOR OTHER POTENTIAL WORK ITEMS.

12. SUBMIT PHASING PLAN AND COORDINATE SCHEDULE FOR WORK ITEMS WITH DETAILS.

13. SEE R-002 FOR PHASING AND WORK AREA REQUIREMENTS.

14. WALL REPAIRS PER W.I. 7.1 OCCUR ON UNDERSIDE OF EXISTING CONCRETE WALL. LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER.

15. ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 IN FIELD BY OBSERVING UNDERSIDE DURING RAIN EVENT, OR WATER TEST.

16. WALL REPAIRS PER W.I. 7.1 OCCUR ON UNDERSIDE OF EXISTING CONCRETE WALL. LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER.

17. IN FIELD WITH ENGINEER.

NOTE 5.

NOTE 6.

NOTE 8.
1. CONTRACTOR SHALL NOT EXCEED BID QUANTITIES (FOR WORK ITEMS WITHOUT DETAILS).

2. GENERAL FLOOR REPAIR LOCATIONS ARE SHOWN. EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER.

3. REFER TO DRAWING R-002 FOR PHASING & PARKING SPACE REQUIREMENTS IN FIELD.

4. ROUTE / SEAL MISC. FLOOR CRACKS ON SUPPORTED LEVELS 2-5 IN FIELD BY OBSERVING UNDERSIDE DURING RAIN EVENT, OR WATER TEST.

5. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 2-5, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 PER W.I. 11.1.

6. NO EXCEPT FOR PHASING AND WORK AREA REQUIREMENTS.

7. INSTALL COATING ON LEVELS 6 & 7 PER W.I. 16.1A, AND DRAIN THROUGHOUT STRUCTURE PER W.I. 4.9. INCLUDES LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 LOCATED DURING RAIN EVENT.

8. RE-STRIPE PAVEMENT MARKINGS PER REQUIREMENTS OF W.I. 2.3. CONTRACTOR TO VERIFY PERFORMING REPAIRS THAT AFFECT ENTRY / EXITS IN SHEET NUMBER.

9. LOCATE SUPPLEMENTAL SHEAR CONNECTOR REPAIRS PER W.I. 12. SUBMIT PHASING PLAN AND COORDINATE SCHEDULE FOR CLOSURE REQUIREMENTS. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK.

10. NOTE: BREAK LINES USED ON DRAWINGS TO DENOTE LOCATIONS OF EXISTING COATING NEAR SHEAR WALLS ON ALL SUPPORTED LEVELS PER W.I.'S 11.2 & 11.7. REPLACE LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 IN FIELD BY OBSERVING UNDERSIDE DURING RAIN EVENT, OR WATER TEST.

11. REMOVE ALL loose SECTIONS OF OVERHEAD CONCRETE Wash & COVE SEALANT ON LEVELS 6 & 7 PER W.I. 3.3D - FLOOR REPAIR - FULL DEPTH EXISTING FLOOR DRAIN LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 PER W.I. 11.1.

12. SUBMIT PHASING PLAN AND COORDINATE SCHEDULE FOR CLOSURE REQUIREMENTS. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK.

13. SEE R-002 FOR PHASING AND WORK AREA REQUIREMENTS.

14. WALL REPAIRS PER W.I. 7.1 OCCUR ON UNDERSIDE OF LEVEL SHOWN.

15. CORE WASH & COVE SEALANT ON LEVELS 6 & 7 PER W.I. 3.3D - FLOOR REPAIR - FULL DEPTH EXISTING FLOOR DRAIN LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 PER W.I. 11.1.

16. ALTERNATE COATING WORK. AREAS OF EXISTING COATING OCCUR WHERE NEW COATING IS BEING INSTALLED.
LEVEL 4 (INCIDENTAL)
FROM CEILING UNDER
REMOVE PLYWOOD
TAR @ 1 LANDING AND 9
IN FIELD W/ ENGINEER.
TREADS LOCATE
41.3
41.1
3
5

TAR
11.7
11.7
11.2

45'-0" 36'-0" 36'-0" 21'-0" 24'-0" 21'-0" 36'-0" 36'-0" 45'-0"

TAR
11.7
16.1B
TAR
11.2
TAR
TAR
7.1

FD
FD
FD
FD

ACCEPTED)
(ALT)(TYP)
JOINTS IF
5 6 6.1
ALL TEE
16.1C
3'-0" 3'-0"

16.1D
306'-0"

(ALT)
(ALT)

(ALT)

(ALT)

(ALT)

TYP
TYP
TYP
TYP

(SEE SPECIFICATIONS)

REPLACE ALL WASH & COVE SEALANT ON LEVELS 6 & 7 PER
6. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7,  AND
5. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7,  AND
4. ROUTE / SEAL MISC. FLOOR CRACKS ON SUPPORTED
3. REFER TO DRAWING R-002 FOR PHASING & PARKING SPA CE
2. GENERAL FLOOR REPAIR LOCATIONS ARE SHOWN. EXACT
1. CONTRACTOR SHALL NOT EXCEED BID QUANTITIES

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6

NOTE 6
NOTE 6
NOTE 6
NOTE 6
1. CONTRACTOR SHALL NOT EXCEED BID QUANTITIES WITHOUT WRITTEN AUTHORIZATION FROM OWNER.

2. GENERAL FLOOR REPAIR LOCATIONS ARE SHOWN. EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.

3. REFER TO DRAWING R-002 FOR PHASING & PARKING SPACE CLOSURE REQUIREMENTS. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK.

4. ROUTE / SEAL MISC. FLOOR CRACKS ON SUPPORTED LEVELS PER W.I. 11.1.

5. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 PER W.I. 11.2. LOCATE LEAKING JOINTS TO BE RESEALED ON LEVELS 2-5 IN FIELD BY OBSERVING UNDERSIDE DURING RAIN EVENT, OR WATER TEST.

6. REPLACE ALL WASH & COVE SEALANT ON LEVELS 6 & 7 PER W.I.'S 11.2 & 11.7. REPLACE LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 LOCATED DURING RAIN EVENT.

7. INSTALL COATING ON LEVELS 6 & 7 PER W.I. 16.1A, AND NEAR SHEAR WALLS ON ALL SUPPORTED LEVELS PER W.I. 16.1B. SEE ALT. W.I.'S 16.1C & 16.1D FOR OTHER POTENTIAL ALTERNATE COATING WORK. AREAS OF EXISTING COATING THAT OCCUR WHERE NEW COATING IS BEING INSTALLED REQUIRE RECOAT INCIDENTAL TO THIS WORK. SEE SECTION 020010 FOR FURTHER INFORMATION.

8. RE-STRIPE PAVEMENT MARKINGS PER REQUIREMENTS OF W.I. 45.1.

9. LOCATE SUPPLEMENTAL SHEAR CONNECTOR REPAIRS PER W.I. 50.1 IN FIELD WITH ENGINEER.

10. NOTE: BREAK LINES USED ON DRAWINGS TO DENOTE LEVELS DO NOT MATCH EXISTING SIGNAGE IN STRUCTURE.

11. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE THROUGHOUT STRUCTURE PER W.I. 4.9. INCLUDES REMOVAL OF EXISTING PLYWOOD (TYPICAL LOCATIONS INDICATED ON PLANS) AND LOOSE SECTIONS OF BACKER ROD (NOT SHOWN). CONTRACTOR TO VERIFY REQUIREMENTS IN FIELD.

12. SUBMIT PHASING PLAN AND COORDINATE SCHEDULE FOR PERFORMING REPAIRS THAT AFFECT ENTRY / EXITS IN ADVANCE WITH WSU.

13. SEE R-002 FOR PHASING AND WORK AREA REQUIREMENTS.

14. WALL REPAIRS PER W.I. 7.1 OCCUR ON UNDERSIDE OF LEVEL SHOWN.
1. CONTRACTOR SHALL NOT EXCEED BID QUANTITIES WITHOUT WRITTEN AUTHORIZATION FROM OWNER.
2. GENERAL FLOOR REPAIR LOCATIONS ARE SHOWN. EXACT LOCATIONS SHALL BE IDENTIFIED IN FIELD WITH ENGINEER PRIOR TO START OF WORK.
3. REFER TO DRAWING R-002 FOR PHASING & PARKING SPACE REQUIREMENTS. INSTALL ALL SIGNAGE / BARRIERS PER W.I. 1.5 PRIOR TO START OF WORK.
4. ROUTE / SEAL MISC. FLOOR CRACKS ON SUPPORTED LEVELS PER W.I. 11.1.
5. REPLACE ALL TEE TO TEE SEALANTS ON LEVELS 6 & 7, AND LOCALIZED TEE TO TEE SEALANTS ON LEVELS 2-5 PER W.I. 11.2. LOCATE LEAKING JOINTS TO BE RESEALED ON LEVELS 2-5 IN FIELD BY OBSERVING UNDERSIDE DURING RAIN EVENT, OR WATER TEST.
6. REPLACE ALL WASH & COVE SEALANT ON LEVELS 6 & 7 PER W.I.'S 11.2 & 11.7. REPLACE LOCALIZED WASH AND COVE SEALANTS ON LEVELS 2-5 LOCATED DURING RAIN EVENT.
7. INSTALL COATING ON LEVELS 6 & 7 PER W.I. 16.1A, AND NEAR SHEAR WALLS ON ALL SUPPORTED LEVELS PER W.I. 16.1B. SEE ALT. W.I.'S 16.1C & 16.1D FOR OTHER POTENTIAL ALTERNATE COATING WORK. AREAS OF EXISTING COATING THAT OCCUR WHERE NEW COATING IS BEING INSTALLED REQUIRE RECOAT INCIDENTAL TO THIS WORK. SEE SECTION 020010 FOR FURTHER INFORMATION.
8. RE-STRIPE PAVEMENT MARKINGS PER REQUIREMENTS OF W.I. 45.1.
9. LOCATE SUPPLEMENTAL SHEAR CONNECTOR REPAIRS PER W.I. 50.1 IN FIELD WITH ENGINEER.
10. NOTE: BREAK LINES USED ON DRAWINGS TO DENOTE LEVELS DO NOT MATCH EXISTING SIGNAGE IN STRUCTURE.
11. REMOVE ALL LOOSE SECTIONS OF OVERHEAD CONCRETE THROUGHOUT STRUCTURE PER W.I. 4.9. INCLUDES REMOVAL OF EXISTING PLYWOOD (TYPICAL LOCATIONS INDICATED ON PLANS) AND LOOSE SECTIONS OF BACKER ROD (NOT SHOWN). CONTRACTOR TO VERIFY REQUIREMENTS IN FIELD.
12. SUBMIT PHASING PLAN AND COORDINATE SCHEDULE FOR PERFORMING REPAIRS THAT AFFECT ENTRY / EXITS IN ADVANCE WITH WSU.
13. SEE R-002 FOR PHASING AND WORK AREA REQUIREMENTS.
14. WALL REPAIRS PER W.I. 7.1 OCCUR ON UNDERSIDE OF LEVEL SHOWN.

LEGEND
- **EXISTING FLOOR DRAIN**
- **EXISTING COATING**
- **WORK ITEM / DETAIL IDENTIFICATION**

WORK ITEM IDENTIFICATION
FOR WORK ITEMS WITHOUT DETAILS

WORK ITEM NUMBER
SEE SPECIFICATIONS

WORK ITEM / DETAIL IDENTIFICATION
FOR WORK ITEMS WITH DETAILS

3/24/2022
TYPICAL SHORING LAYOUT PLAN

FOR W.I. 10.5

ISOMETRIC VIEW
TYPICAL WORK AREA SHORING

ISOMETRIC VIEW
WORK AREAS REQUIRING SHORING

SHEET NOTES

NOTE: SHORING DEPTH SHOWN IS SUBSTANTIAL LIGHT LIGHT RECOMMENDED FOR THE SUBJECT SHEET. EXTERNAL SHEETS ARE IN THE PROCESS OF BEING PREPARED FOR THE SUBJECT SHEET.

REVISIONS

M.1.

DATE

DESCRIPTION

03/24/2022

BIDDING AND CONSTRUCTION

REPAIR DETAILS

W.I. 10.5

R-507
CONCRETE REMOVALS AT P/T TENDON ANCHORAGE

ZONE I: END ANCHOR REPAIR & EXPANSION JOINT
CASE A:
A. REPLACE END ANCHOR (DEAD) AND TENDON SLICE REPAIR.

ZONE II: TENDON REPAIR OVERBEAMS
CASE A:
A. SINGLE OR DOUBLE COUPLING AND TENDON SLICE REPAIR.

ZONE III: TENDON REPAIRS
CASE A:
A. SINGLE COUPLING TENDON SLICE WITH CENTER PULL TENDON SLICE CLOUPLING (DEEP INTERMEDIATE ANCHOR)

CASE B:
A. SINGLE COUPLING TENDON SLICE WITH CENTER PULL TENDON SLICE CLOUPLING (REMOVE INTERMEDIATE ANCHOR)

NOTE:
1. TYPICAL CONCRETE DECLARATIONS SHOWN IN CROSSHATCHED AREAS ABOVE.
2. SECTION ABOVE SHOWS TYPICAL TENDON SLICE AREAS (CASE I). CORRESPONDING REPAIR SCENARIOS (CASE A) ARE DESCRIBED ABOVE, ASSOCIATED REPAIR DETAILS ARE PROVIDED IN DETAIL SERIES 21.4 & 21.8, WHICH CONTAIN THE SHOWN TENDON SLICE REMOVAL.
3. A COMBINATION OF REPAIR "CASED" MAY BE REQUIRED TO REPAIR A TENDON DEPENDING ON LOCATION AND NUMBER OF FAILURES ALONG A TENDON RUN.
4. SEE "P/T SLAB GENERAL NOTES" FOR FURTHER REQUIREMENTS.

P/T SLAB SECTION WITH TYPICAL TENDON FAILURE CONDITIONS AND REPAIR SCENARIOS

DETROIT, MICHIGAN
WAYNE STATE UNIVERSITY
2022 PARKING STRUCTURES
#1, #4, #5, & #6 REPAIRS AND MAINTENANCE

REPAIR DETAILS
MASONARY REPAIRS AT ELEVATOR TOWER (SEE ALTERNATE)

TENDON SPlice COUPLING (DOUBLE)

TENDON SPlice COUPLING (CENTER-PULL)

MECHANICAL - SUPPLEMENTAL FLOOR DRAINS

MECHANICAL - PIPE AND HANGERS

MECHANICAL - SUPPLEMENTAL FLOOR DRAIN (SEE ALTERNATE)