CENTRAL LIBRARY
PARKING GARAGE / PLAZA
REPAIRS AND WATERPROOFING

EVP
EVANSVILLE VANDERBURGH PUBLIC LIBRARY

LOCATION PLAN
SITE PLAN

PROJECT LOCATION
200 SE MARTIN LUTHER KING JR BLVD

PROJECT SITE

DRAWING INDEX
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1. ALL WORK BE IN ACCORDANCE WITH THE CURRENT CITY OF EVANSVILLE AND STATE OF INDIANA CODES AND ORDINANCES; LATEST ADDITIONS.

2. THE STRUCTURAL REPAIRS HAVE BEEN DESIGNED TO RETURN THE ELEMENTS TO THE ORIGINAL DESIGN CAPACITY.
   A. LIVE LOAD (PARKING STRUCTURE & PLAZA): 30 PSF UNIFORM LOAD
   B. SNOW LOAD (PARKING STRUCTURE & PLAZA): 20 PSF UNIFORM LOAD

3. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION OR CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE LATEST STANDARD CODE, SPECIFICATION OR TENTATIVE SPECIFICATION ADOPTED AND PUBLISHED AT THE DATE OF TAKING BID, UNLESS SPECIFICALLY STATED OTHERWISE.

4. MAXIMUM LIVE LOADING ON SUPPORTED LEVEL SLABS FROM CONSTRUCTION ACTIVITY SHALL NOT EXCEED 50PSF, OR 2000 LB. POINT LOAD (OVER A 20 SQUARE INCH AREA).

5. QUANTITIES NOTED IN THE WORK ITEM TABLE ARE BELIEVED TO BE ACCURATE. WHERE UNIT PRICES ARE REQUESTED, PAYMENT WILL BE MADE BASED ON ACTUAL QUANTITY OF WORK COMPLETED AT THE BID UNIT PRICE (INCREASED QUANTITIES SUBJECT TO OWNER/ENGINEER APPROVAL). CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED BETWEEN CONTRACT QUANTITIES AND FIELD CONDITIONS PRIOR TO PROCEEDING.

6. WHERE DIMENSIONS, ELEVATIONS AND/OR REINFORCEMENT INFORMATION ARE INDICATED ON THE PLANS/DETAILS FOR EXISTING STRUCTURES, THEY ARE TAKEN FROM ORIGINAL DESIGN DRAWINGS AND ARE GIVEN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY IN FIELD ALL DIMENSIONS, ELEVATIONS, AND REINFORCEMENT. ANY VARIATIONS BETWEEN THE ACTUAL AND INDICATED INFORMATION SHALL BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

7. WHERE WORK INCLUDES CHAINING, CUTTING OR CHROMING, ETC. INTO THE EXISTING STRUCTURE, THE CONTRACTOR SHALL LOCATE ALL EXISTING REINFORCEMENT AND PRESTRESSED REINFORCEMENT WITH A PACOMETER OR OTHER APPROVED METHOD PRIOR TO PROCEEDING. CONTRACTOR SHALL ALSO LOCATE AND DAMAGE EXISTING REINFORCING STEEL UNLESS INDICATED IN THE DRAWINGS OR AUTHORIZED BY THE ENGINEER.

8. MATERIALS SPECIFIED ARE TO PROVIDE STANDARD OF QUALITY AND TYPE. EQUIVALENT PRODUCTS MAY BE SUBMITTED FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO THE WORK (SEE SPECIFICATIONS). PRODUCTS TO BE INSTALLED IN STRICT CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION ACTIVITY AND SHALL COOPERATE FULLY WITH THE BUILDING MANAGEMENT STAFF FOR ALL CONSTRUCTION PHASING. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE IMPACT OF THE WORK ON ONGOING USE OF THE GARAGE BY THE TENANTS. CONTRACTOR SHALL MAINTAIN SAFETY TRAFFIC FLOW TO ALL LEVELS OF THE STRUCTURE UNLESS OTHERWISE AUTHORIZED BY THE OWNER. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND REQUIREMENTS.

10. DRAWINGS DO NOT CONTAIN COMPONENTS WHICH MAY BE NECESSARY FOR THE SAFETY OF THE GARAGE OR EQUIPMENT DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO THE CONSTRUCTION, ERECTION METHODS, BRACING, SHORING, SCAFFOLDING, FORMWORK, AND OTHER WORK AS REQUIRED TO SAFELY PERFORM THE WORK INDICATED.

11. VISITS TO THE JOB SITE BY THE ENGINEER TO OBSERVE THE CONSTRUCTION DO NOT IN ANY WAY MEAN GUARANTEE OF THE CONTRACTOR'S WORK. THE CONTRACTOR IS NOT RESPONSIBLE FOR SAFETY OF THE TENANTS. CONTRACTOR SHALL ENSURE SAFETY AT THE JOB SITE. CONTRACTOR SHALL BE SOLELY AND COMpletely RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY FOR THE DURATION OF THE WORK.

12. PEDESTRIAN ACCESS TO THE BUILDING SHALL BE MAINTAINED ON ALL LEVELS WHERE PARKING REMAINS OPEN DURING THE WORK.

13. CONTRACTOR TO PROVIDE BARRIERS, FENCING, ENCLOSURES, ETC. AS REQUIRED TO PROTECT THE PUBLIC DURING THE WORK. WHERE PEDESTRIAN OR VEHICLE PATHS ARE CLOSED OR MODIFIED DUE TO WORK SCALES, THE CONTRACTOR SHALL PROVIDE TEMPORARY SIDESCREEN TO INFORM AND REDIRECT TRAFFIC TO ALTERNATE ROUTES.

14. WORK HOURS ARE FLEXIBLE; HOWEVER, NOISE-PRODUCING WORK WILL BE RESTRICTED TO 8:00AM TO 8:00PM OR AS LOCAL NOISE ORDINANCES DECRATE.

15. REASONABLE CONTRACTOR STAGING AREA WILL BE PROVIDED ON SITE. CONTRACTOR SHALL COORDINATE WITH THE BUILDING MANAGEMENT.

16. CONTRACTOR SHALL USE EXTREME CAUTION TO AVOID DAMAGE TO LIGHT FIXTURES, CONDUIT, SECURITY EQUIPMENT OR OTHER UTILITIES THAT MAY BE ATTACHED TO THE STRUCTURE. THE COST OF TEMPORARY DISCONNECTION AND RECONNECTION OF FACILITIES/UTILITIES THAT ARE IN CONFLICT WITH THE WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS REPAIR ITEMS. DAMAGE CAUSED BY THE WORK SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.

17. REFER TO SPECIFICATIONS, PLANS AND DETAILS FOR FURTHER INFORMATION.

STRUCTURAL STEEL

1. MATERIALS:
   A. STRUCTURAL STEEL: ASTM A 692, FY = 50 KSI
   B. STRUCTURAL PLATE: ASTM A 36, FY = 36 KSI
   C. HIGH-STRENGTH BOLTS: ASTM D-325 OR A-490, TYPE N
   D. ANCHOR BOLTS: ASTM A-327
   E. ELECTRODES: SERIES 7070
   F. STRUCTURAL TUBING: ASTM A-500, GRADE B, FY = 46 KSI

2. SPECIFICATIONS: WELDING PROCEDURES AND PROCESSES ARE TO BE QUALIFIED IN ACCORDANCE WITH AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION, AND ERECTION ARE TO BE GOVERNED BY THE LATEST REVISIONS OF:
   A. ASCE SPECIFICATION FOR DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
   B. ACI CODE OF STANDARD PRACTICE
   C. STRUCTURAL WELDING CODE, AWS D1.1-85, OF THE AMERICAN WELDING SOCIETY
   D. SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A-325 OR A-490 BOLTS.

3. CONNECTIONS:
   A. FIELD CONNECTIONS ARE TO BE BOLTED. SHOP CONNECTIONS ARE TO BE WELDED OR BOLTED, UNLESS DETAILED OTHERWISE.
   B. ALL UNLESS TIGHT CONNECTIONS ARE NOTED ON THE DRAWINGS AS BEING PERMITTED. ALL BOLTS SHOULD BE TIGHTENED TO FULL PRETENSIONING LOAD.
   C. ALL SHOP-AND FIELD-WELDING SHALL BE DONE BY A WELDER CERTIFIED BY AWS.
   D. ALL WELDING AND HIGH-STRENGTH BOLTING MUST BE INSPECTED BY A QUALIFIED TESTING LABORATORY. LABORATORY SHALL BE APPROVED BY THE ARCHITECT AND/OR ENGINEER.

4. PAINTING AND GALVANIZING:
   A. DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCAUSED IN CONCRETE OR MASONRY. INCLUDING STEEL THAT WILL RECEIVE SPRAYED-ON FIREPROOFING. PAINT ALL OTHER STEEL WITH ONE COAT OF RED OXIDE PRIMER.
   B. OMIT PAINT AT AREAS TO BE WELDED. TOUCH UP IN FIELD AFTER WELDING.

5. MISCELLANEOUS:
   A. SHOP DRAWINGS ARE REQUIRED AND SHALL NOTE TYPE OF ELECTRODE, SIZE OF ALL WELDS, AND TYPE AND SIZE OF ALL BOLTS
   B. GROUT UNDER BEARING PLATES IS TO BE NON-SHINKING / NON-METALLIC TYPE.
   C. FINISH ENDS OF ALL COLUMNS, STIFFENERS, AND OTHER MEMBERS IN DIRECT BEARING.

CAST-IN-PLACE CONCRETE

1. WORK INCLUDES SLAB-ON-GRADE CONCRETE REQUIRED SUPPLEMENTAL STEEL COLUMN INSTALLATION AT COLUMN 9/P2.

2. READY-MIX OR SITE-MIX CONCRETE TO HAVE MINIMUM 28-DAY COMpressive STRENGTH Of 4000 PSI, WITH AIR ENTRAINMENT FOR EXTERIOR REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONCRETE REPAIR

1. WORK INCLUDES MINOR PARKING DECK FLOOR REPAIRS AND RECONSTRUCTION OF TOP PORTION COLUMN P2.

2. CONCRETE REPAIR MORTAR FOR REPAIRS SHALL INCLUDE CORROSION INHIBITOR AND FIBER REINFORCEMENT ADDITIVES, REFER TO SPECIFICATIONS.

3. REFER TO SPECIFICATIONS FOR PRE-PACKAGED REPAIR MORTARS FOR CONCRETE REPAIRS, AND OTHER REQUIREMENTS.

4. PRIOR TO START OF DEMOLITION FOR CONCRETE REPAIRS, CONTRACTOR SHALL SOUND AND MARK THE BOUNDARIES OF REPAIR AREAS WITH CHAIN WIRE AND/or HAMMER TAP, AND REVIEW WITH ENGINEER.

JOINT SEALANTS

1. WORK INCLUDES 100% REPLACEMENT OF CONTROL JOINT SEALANTS ON GARAGE AND PLAZA, DRAW PERMUTER SEALING, CRACK SEALANTS, LIGHTPOLE BASE AND WALL COVE SEALANTS, LIMESTONE FILLAR AND WALL VENEER AT GARAGE, AND WHERE INDICATED ON THE DRAWINGS.

2. SEALANTS FOR PARKING DECK TO BE TWO-COMPONENT POLYURETHANE – SEE SPEC.

3. SEALANTS FOR LIMESTONE VENEER TO BE SILICONE – SEE SPEC.

GARAGE TRAFFIC-BEARING DECK COATING

1. WORK INCLUDES INSTALLATION OF 8" WIDE STRIP OF DECK COATING CENTERED ON CENTER COLUMN GRID PC OF THE GARAGE.

2. GARAGE DECK COATING TO BE HEAVY-DUTY POLYURETHANE TRAFFIC BEARING SYSTEM – SEE SPEC.

3. SHOTBLAST SURFACE PREPARATION REQUIRED.

GARAGE DECK SEALER

1. WORK INCLUDES INSTALLATION OF A 100% SOLID SEALE SEALER TO THE ENTIRE PARKING DECK (EXCEPT WHERE DECK COATING IS INDICATED).

2. SEE SPEC FOR ACCEPTABLE PRODUCTS.

3. SHOTBLAST SURFACE PREPARATION REQUIRED.

4. INCLUDE 100% RESTRIPE OF EXISTING DECK STRIPING AND PAVEMENT MARKINGS FOLLOWING ADEQUATE CURE OF SEALER (NO SEPARATE PAY ITEM).

PLAZA BREATHABLE DECK COATING

1. WORK INCLUDES INSTALLATION OF A BREATHABLE DECK COATING ON THE PLAZA SURFACE.

2. PLAZA DECK COATING TO BE CEMENTOUS, FABRIC-REINFORCED, WATERPROOFING MEMBRANE SYSTEM FOR PEDESTRIAN APPLICATIONS.

3. REMOVAL OF EXISTING EPOXY-BASED DECK COATING REQUIRED.

MAINTENANCE PAINTING

1. WORK INCLUDES INSTALLATION OF A BREATHABLE DECK COATING ON THE PLAZA SURFACE.

2. PLAZA DECK COATING TO BE CEMENTOUS, FABRIC-REINFORCED, WATERPROOFING MEMBRANE SYSTEM FOR PEDESTRIAN APPLICATIONS.

3. REMOVAL OF EXISTING EPOXY-BASED DECK COATING REQUIRED.

FIREPROOFING RESTORATION

1. WORK INCLUDES REINFORCING CEMENTIOUS FIREPROOFING UNDERNEATH OF PLAZA DECK AT LOCATIONS OF METAL DECKING CORROSION.

2. CLEAN LOOSE RUST / DETERIORATED DECKING TO FACILITATE BOND OF NEW FIREPROOFING TO METAL DECK 8/D BEAMS.

3. REFER TO SPECIFICATIONS FOR FURTHER INFO.
FIRST FLOOR REPAIR AND WATERPROOFING PLAN

WORK ITEM LEGEND

1. P2/PC COLUMN REPAIR
2. COATING REMOVAL
3. PLAZA JOINT CRACK REMOVE & REPLACE
4. PLAZA JOINT CRACK ROUT & SEAL
5. CONCRETE SLAB SURFACE REPAIRS
6. BREATHABLE DECK COATING
7. GARAGE/PLAZA EXPANSION JOINT REPLACEMENT
8. SEISMIC JOINT REPLACEMENT
9. GARAGE TEE-TEE JOINT SEALANT REPLACEMENT
10. GIRDLE CONTROL JOINT SEALANT REPLACEMENT
11. GIRDLE DECK CRACK ROUT AND SEAL
12. COVE SEALANT REPLACEMENT
13. TRAFFIC BEARING DECK COATING
14. SILANE SEALER DECK TREATMENT
15. MAINTENANCE PAINTING - EAST STAIR RAILS & RIBERS
16. LIMESTONE VENERE JOINT SEALANT REPLACEMENT
17. CURB REPAIR
18. SIDEWALK REPLACEMENT
19. SEAL PRECAST LIGHTPOLE BASES
20. DEMO CONCRETE MEDIAN
21. INSTALL FLEXIBLE BOLLARD
22. PRECAST SPANDREL SPALL REPAIR
23. RESTORE FIREPROOFING
24. PRECAST C.T. STEM REPAIR

FIRST FLOOR REPAIR AND WATERPROOFING PLAN

EVANSVILLE VANDERBURGH PUBLIC LIBRARY
- CENTRAL LIBRARY
PARKING GARAGE/PLAZA REPAIRS AND Waterproofing

DESIGN BY ____________
DRAWN BY ____________

PROJECT NO. 2022-321

DRAWING R1.1

INDIANAPOLIS, IN
317-797-2170
WORK ITEM LEGEND

1. P2/PC COLUMN REPAIR
2. COATING REMOVAL
3. PLAZA JOINT/CRACK REMOVE & REPLACE
4. PLAZA JOINT/CRACK ROUT & SEAL
5. CONCRETE SLAB SURFACE REPAIRS
6. BREATHABLE DECK COATING
7. GARAGE/PLAZA EXPANSION JOINT REPLACEMENT
8. SEISMIC JOINT REPLACEMENT
9. GARAGE TEE-TEE JOINT SEALANT REPLACEMENT
10. GIRDLE CONTROL JOINT SEALANT REPLACEMENT
11. GARAGE DECK CRACK ROUT AND SEAL
12. COVE SEALANT REPLACEMENT
13. TRAFFIC BEARING DECK COATING
14. SILANE SEALER DECK TREATMENT
15. MAINTENANCE PAINTING - EAST STAIR RAILS & RISERS
16. LIMESTONE VENEER JOINT SEALANT REPLACEMENT
17. CURB REPAIR
18. SIDEWALK REPLACEMENT
19. SEAL PRECAST LIGHTPOLE BASES
20. DEMO CONCRETE MEDIAN
21. INSTALL FLEXIBLE BOLLARD
22. PRECAST SPANDREL SPALL REPAIR
23. RESTORE FIREPROOFING
24. PRECAST D.T. STEM REPAIR

GROUND LEVEL
C.J. (TYP.)

SEE DETAIL 7A (SIM.)

18 LF

PARKING GARAGE/PLAZA REPAIRS AND WATERPROOFING
EVANSVILLE VANDERBURGH PUBLIC LIBRARY - CENTRAL LIBRARY
FIRST FLOOR PLAZA PLAN

DRAWING
R1.2

PARKING GARAGE/PLAZA REPAIRS AND WATERPROOFING
EVANSVILLE VANDERBURGH PUBLIC LIBRARY - CENTRAL LIBRARY
FIRST FLOOR PLAZA PLAN

DRAWING
R1.2
**COLUMN P2/PC EXISTING CONDITION**

- **EXSTG. C.J.**
- **RAILING**
- **CRACK (LOC. VARIES)***
- **W24x62**
- **24" W21x44 PC COLUMN**
- **8" W24x62 W/ 2" NOM. TOPPING**
- **EXISTING CONCRETE SLAB W/ 6" WIRE MESH**
- **EXSTG. PC CONC. COLUMN**
- **SUN CUT 3/8" JOINT OPENING COMPLETELY THROUGH SLAB & METAL DECKING AROUND PERIMETER OF PC COL.**
- **EXISTING SLAB ON 1" METAL DECK**
- **ADD NEW 3/8" STIFF PL'S, TYP S**
- **EXISTING STEEL BEAMS CAP PLATE 3/4"XVF**
- **SUN CUT PERIMETER OF CONC. REMOVAL AREA**
- **HSS 6x6x8 COLUMNS LOacted UNDER ALL EXISTING STEEL BEAMS ABOVE THAT FRAME INTO EX. CONC. COLUMN (3 TOTAL)**

**COLUMN P2/PC REPAIR**

- **1/2" NON-SHRINK NONMETALLIC GROUT**
- **WEPOXY DOWELS 1/4" @ 12" O.C. W/ 6" MIN. EMBED INTO EX. SLAB**
- **BASE PLATES: 1X11" X 2-11"**
- **ANCHOR ROD W/ STAND WASHERS INSTALLED WITH HILTI HY-100 ADHESIVE SYSTEM (6" MIN. EMBED)**
- **C. J. OPENING COMPLETELY THROUGH SLAB & METAL DECKING AROUND PERIMETER OF PC COL.**

**NOTE:** STEEL BEAMS FRAMING INTO COLUMN/P2/PC HAVE BEEN SHORED TO RELIEVE LOAD FROM THE PRECAST COLUMN. CONTRACTOR MAY UTILIZE SHORING IF DESIRED. HOWEVER, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ADEQUACY FOR THE INTENDED COLUMN MODIFICATIONS & REPAIRS.

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GENERAL REQUIREMENTS:
1. REMOVE EXISTING PLAZA DECK AND WEAKENING REQUIREMENTS OF STEEL BEAMS FRAMING INTO COLUMN P2/PC.
2. REMOVE EXISTING ANGLES AS REQUIRED TO EXPAND PLE COLUMN FOR THE INSTALLATION OF SUPPLEMENTAL COLUMNS.
3. CONSIDER ADDITIONAL COLUMN BREATHE GUT OF THE THREE STEEL BEAMS FRAMING INTO COLUMN P2/PC, PER DETAIL.
4. REMOVE EXISTING CONCRETE IN REMOVED AREA.
5. CUT CONNECTIONS OF STEEL BEAMS TO THE PRECAST COLUMN AS REQUIRED TO PROVIDE MINIMUM 1" CLEAR BETWEEN STEEL BEAMS AND PRECAST COLUMN.
6. RETAIN EXISTING ANGLES AT LOCATIONS OF STEELS BEAMS ON NON STEEL TUBE COLUMN.
7. CUT NEW EXPANSION JOINT OPENING AROUND PERIMETER AT FLUSH LEVEL. EXPANSION JOINT WORK INCLUDED IN EXISTING WORK (PLAN).
8. DEMO PRECAST COLUMN AND EXISTING PLAZA DECK ABOVE GIRDEN EAVANCE AS INDICATED IN THIS DETAIL.
9. CAST NEW COLUMN UP TO TOP OF PLAZA DECK ELEVATION (MEASURE ALCOA PROM FOR NEW EXPANSION JOINT AS NEEDED).
3. **PLAZA JOINT / CRACK REMOVE & REPLACE**
   - No Scale
   - Completely remove existing sealant.
   - Widen & deepen joint as req'd & fill w/ urethane sealant.
   - Existing routed crack or joint.

4. **PLAZA JOINT / CRACK ROUT & SEAL**
   - No Scale
   - Widen joint as shown & seal w/ urethane sealant.
   - Backer rod as req'd.
   - Existing unsealed joint.
   - Existing unsealed crack.

5. **CONCRETE SLAB SURFACE REPAIRS**
   - No Scale
   - Saw cut ½" min (typ.)
   - Existing delamination line.
   - New patch material.
   - Remove unsound concrete to full depth of topping slab if req'd.
   - P.C. tee flange.
   - Wire mesh.
   - Remove unsound concrete & fill w/ urethane sealant.
NOTE: SHOP OR FIELD-WELD CORNER & TEE TRANSITIONS IN STRICT CONFORMANCE W/ MANUF. INSTRUCTIONS

REMOVE EXISTING JOINT SYSTEM & COVER PLATES & INSTALL NEW SEISMIC JOINT SYSTEM W/ COVER PLATES

TRIM BOTTOM OF FOAM JOINT SEAL TO ALLOW FIT ABOVE CONNECTION HARDWARE

SAW CUT FULL DEPTH ON GARAGE SIDE TO WIDEN JOINT TO REQ'D OPENING AS REQ'D

SAW CUT & CHIP-OUT CONC. IN PLAZA DECK FOR JOINT BLOCKOUT

TOP OF COLUMN @ PLAZA DECK LEVEL
FORM JOINT BLOCKOUT IN TOP OF COLUMN
NEW WINGED EXP. JT. SEAL SEE SPECS

TRIM BOTTOM OF FOAM JOINT SEAL TO ALLOW FIT ABOVE CONNECTION HARDWARE

REMOVE EXISTING JOINT SYSTEM & COVER PLATES & INSTALL NEW SEISMIC JOINT SYSTEM W/ COVER PLATES

TRIM BOTTOM OF FOAM JOINT SEAL TO ALLOW FIT ABOVE CONNECTION HARDWARE

SECTION AT DOORWAY

SECTION AT WALL

R2.3
REMOVE EXISTING SEALANT (WHERE EXISTING) TO BARE CONCRETE, PRIME AND INSTALL URETHANE SEALANT - EXISTING DECK SURF.

Cove Joint Sealant Replacement

Traffic Bearing Deck Coating Detail

Note: Locate corroded locations on galvanized risers, rail posts & post anchors etc. Remove rust & touch-up paint with zinc-rich paint.
REPLACE STONE JOINT SEALANTS W/SILICONE SEALANT (TYP: ALL JOINTS IN LIMESTONE PILLARS/WALLS ALONG SOUTH ELEVATION)

REPLACE PORTION OF JOINT SEAL REMOVED FOR CONC REPAIR W/ COMPATIBLE SEAL (THOUGHT TO BE PRECOM FOAM)

REMOVE CRACKED/SPALLED PORTION OF CONCRETE CURB DOWN TO SOUND CONCRETE. FORM & POUR NEW CURB TO ORIG. LINES IN 4,000 PSI CONCRETE

REMOVE & RESET JOINT COVER PLATE AS REQ'D TO ACCESS REPAIR AREA (6' SECTION)

LAWN AREA RESTORE AFTER REPAIR

DEPTH VARY 0-12"± 6"
18. **SIDEWALK REPLACEMENT**

- 4" TYP.
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

19. **SEAL LIGHT POLE BASES**

- CRACKING (TYP.) *

**NOTE:**
- APPLY METHYL METHACRYLATE SEALER TO CRACKS. ALLOW TO CURE THEN ROLL/BRUSH SPRAY ON ENTIRE SURFACE.

20. **DEMO CONCRETE MEDIAN**

- 36" TALL POLYPROPYLENE ROUND POST DELINEATOR W/ REFLECTIVE BANDS (ULINE H.4465Y OR EQUIV).

**NOTE:**
- EXACT BOLLARD LOCATION TO BE CONFIRMED BY ENGINEER PRIOR TO INSTALLATION.

21. **INSTALL FLEXIBLE BOLLARD**

- MECHANICALLY ANCHOR BASE TO CONCRETE DECK W/ 3/8" X 4" TAPCON HEAVY DUTY CONC. ANCHORS (4 EA) OR EQ.

**NOTE:**
- PERFORM DEMOLITION SO AS TO AVOID DAMAGE TO UNDERLYING CONCRETE SURFACES.

* * APPLY METHYL METHACRYLATE SEALER TO CRACKS. ALLOW TO CURE THEN ROLL/BRUSH SPRAY ON ENTIRE SURFACE.

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**DETAILS**

- PARKING GARAGE/PLAZA REPAIRS AND WATERPROOFING
- EVANSVILLE VANDERBURGH PUBLIC LIBRARY - CENTRAL LIBRARY

**DRAWING**

- R2.6

**Issued for Bids** 5/27/2022

**DESIGN BY** ____________

**PARKING DECK &/OR APPROACH RAMP**

- PARKING DECK

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**NOTE:**
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

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**CONC. WALL**

- 1 1/2" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.

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**REINF. (UNKNOWN)**

- REMOVE EXISTING CONCRETE MEDIAN 28' L x 7' 4" W.

**NOTE:**
- CONC. WALL 1 1/2"

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**EX. JOINT MATERIAL**

- (TYP. BOTH SIDES & WEST END).

**NOTE:**
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

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**CONC. CURB**

- 4" TYP.
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

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**CONC. WALL**

- 1 1/2" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.

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**CONC. WALL**

- 1 1/2" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.

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**REINF. (UNKNOWN)**

- REMOVE EXISTING CONCRETE MEDIAN 28' L x 7' 4" W.

**NOTE:**
- CONC. WALL 1 1/2"

---

**EX. JOINT MATERIAL**

- (TYP. BOTH SIDES & WEST END).

**NOTE:**
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

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**CONC. CURB**

- 4" TYP.
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

---

**CONC. WALL**

- 1 1/2" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.

---

**REINF. (UNKNOWN)**

- REMOVE EXISTING CONCRETE MEDIAN 28' L x 7' 4" W.

**NOTE:**
- CONC. WALL 1 1/2"

---

**EX. JOINT MATERIAL**

- (TYP. BOTH SIDES & WEST END).

**NOTE:**
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

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**CONC. CURB**

- 4" TYP.
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

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**CONC. WALL**

- 1 1/2" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.

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**REINF. (UNKNOWN)**

- REMOVE EXISTING CONCRETE MEDIAN 28' L x 7' 4" W.

**NOTE:**
- CONC. WALL 1 1/2"

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**EX. JOINT MATERIAL**

- (TYP. BOTH SIDES & WEST END).

**NOTE:**
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM MOCK-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.

---

**CONC. CURB**

- 4" TYP.
- PROVIDE TRANSVERSE CONTROL JOINTS (TOOLED) AT UNIFORM SPACING, MAX 6'.
- PLACE & COMPACT 2" MIN. SAND BASE TO PROVIDE PROPER SIDEWALK SPACE.
- 3" EXP. JOINT MATERIAL (TYP. BOTH SIDES & WEST END).
- 4" TYP.
- CONC. CURB

**NOTE:**
- CONTRACTOR TO PERFORM Mock-UP ON ONE BASE FOR ENGINEER REVIEW BEFORE PROCEEDING W/ REMAINDER.
PRECAST SPANDEL SPALL REPAIR

PRECAST D.T. STEM REPAIR

NOTE: PAY FOR THIS ITEM TO BE LUMP SUM FOR ALL ASSOCIATED WORK. APPROX. PATCH AREA = 3 SF.

NOTE: PAY FOR THIS ITEM TO BE PER LOCATION. AVERAGE PATCH = 0.5 CF.

SAW CUT PERIM. OF DETERIORATED AREA, 1/2" DEEP

REMOVE UNSOUND CONCRETE
CLEAN EXPOSED CONNECTION STEEL AND/OR REINF.
& REBUILD TO ORG. LINES
W/ FORM & POURED REPAIR MORTAR

REMOVE PREVIOUS CONC. PATCH
MATERIAL FROM WITHIN HATCHED AREA (ORG. OPEN JOINT)
INSTALL BACKER MATTING & SEAL W/ SILICONE SEALANT

REMOVE SPALLED CONCRETE
CLEAN EXPOSED REINF.
& REBUILD TO ORG. LINES
W/ REPAIR MORTAR

NOTE: SAW CUT PRESTRESSED TENDONS

PRECAST DOUBLE TEE (D.T.) BEAM

STEM REINF. STEEL
(TYP. - NOT ALL DRAWN FOR CLARITY)

PRECAST DOUBLE TEE (D.T.) BEAM

NOTE: SAW CUT EXISTING CRACK LINE

PRECAST D.T. STEM REPAIR

NO SCALE

PRECAST SPANDEL SPALL REPAIR

NO SCALE

INDIANAPOLIS, IN
317-797-2179

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2022-321

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