

# MEMPHIS DOWNTOWN PARKING FACILITIES 2024 RESTORATION



## Owner :

Downtown Mobility Commission  
114 N. Main St.  
Memphis, TN 38103  
T: (901) 575-0555  
Contact: Ms. Lauren Bermudez, Transportation Manager

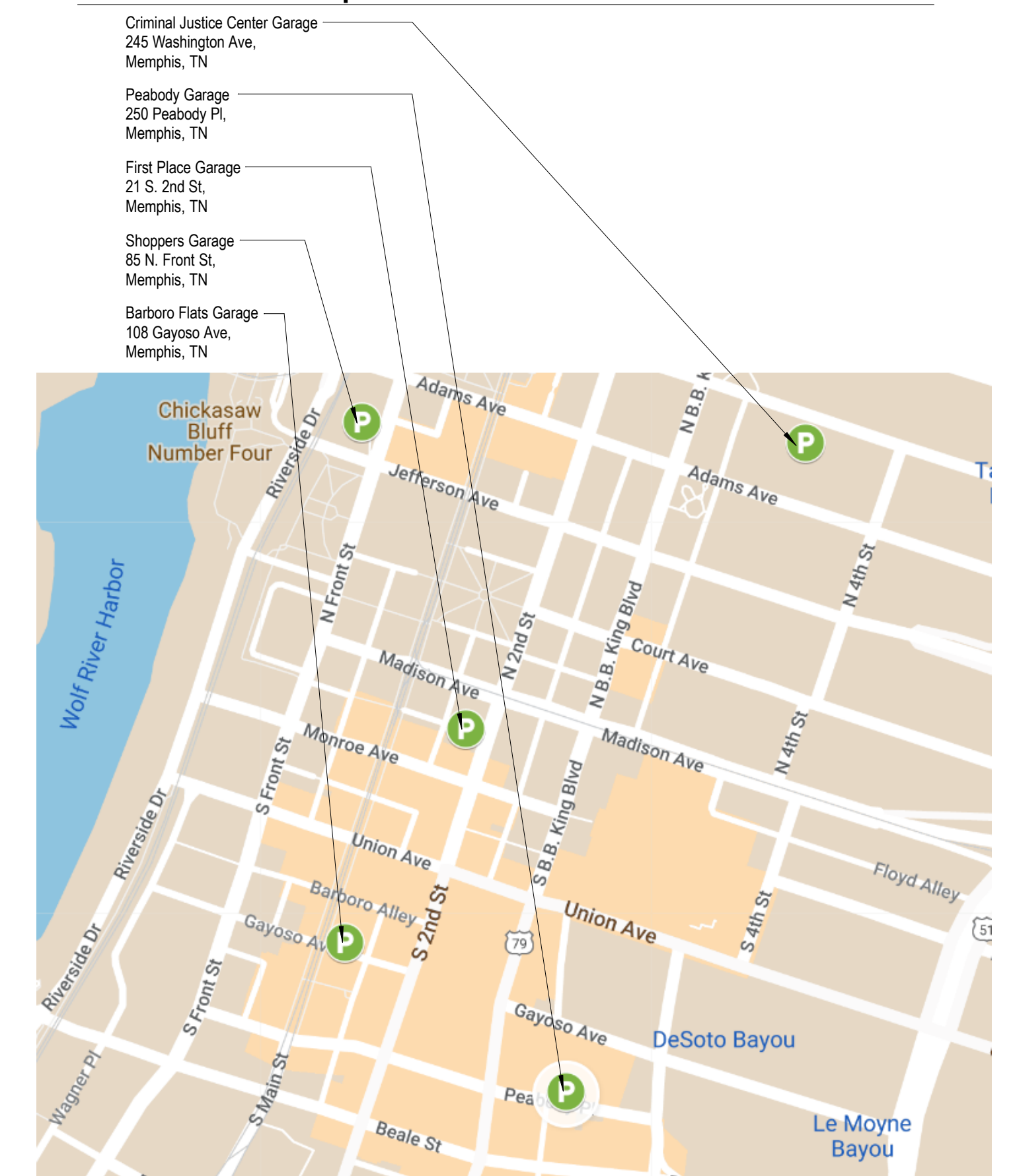
## Structural Restoration Engineers

THA Consulting, Inc.  
470 Norristown Road, Suite 200  
Blue Bell, PA 19422  
T: (484) 342-0200  
Project Manager: Mr. Ryan Klass, E.I.T.  
Contact: (908) 936-1779  
Principal In Charge: Mr. Kevin Carrigan, P.E.  
Contact: (484) 686-3993

## Mech/Elec/Plumb/FP Engineers

Chad Stewart & Associates, Inc.  
9720 Village Circle  
Lakeland, TN 38002  
T: (901) 260-7850  
Contact: Mr. Chad Stewart, PE LEED AP

## Location Map



### DRAWING LIST

SHEET NO.	SHEET NAME	ISSUED FOR BID	ADDENDUM #01	ADDENDUM #03
R0.0	COVER SHEET	•	•	•
R0.1	RESTORATION GENERAL NOTES	•	•	•
R0.2	SCOPE OF WORK & BID QUANTITY TABLE	•	•	•
R1.1	CRIMINAL JUSTICE CENTER (CJC) GROUND & SECOND TIER RESTORATION PLAN	•	•	•
R1.2	CRIMINAL JUSTICE CENTER (CJC) THIRD & FOURTH TIER RESTORATION PLAN	•	•	•
R1.3	CRIMINAL JUSTICE CENTER (CJC) FIFTH & SIXTH TIER RESTORATION PLAN	•	•	•
R1.4	CRIMINAL JUSTICE CENTER (CJC) SEVENTH & PARTIAL EIGHTH TIER RESTORATION PLAN	•	•	•
R2.1	PEABODY FOURTH TIER RESTORATION PLAN	•	•	•
R2.2	PEABODY TOP TIER RESTORATION PLAN	•	•	•
R3.1	FIRST PLACE GROUND & SECOND TIER RESTORATION PLAN	•	•	•
R3.2	FIRST PLACE THIRD & FOURTH TIER RESTORATION PLAN	•	•	•
R3.3	FIRST PLACE FIFTH & SIXTH TIER RESTORATION PLAN	•	•	•
R4.1	RESTORATION REPAIR DETAILS	•	•	•
R4.2	RESTORATION REPAIR DETAILS	•	•	•
R4.3	RESTORATION REPAIR DETAILS	•	•	•

### DRAWING LIST

SHEET NO.	SHEET NAME	ISSUED FOR BID	ADDENDUM #01	ADDENDUM #03
E1.0	GENERAL NOTES, SCHEDULES AND LEGENDS	•		
E1.1	SHOPPERS LOWER TIER LIGHTING PLAN	•		
E1.2	SHOPPERS INTERMEDIATE & UPPER TIER LIGHTING PLAN	•		
E2.0	GENERAL NOTES, SCHEDULES AND LEGEND	•		
E2.1	CRIMINAL JUSTICE CENTER GROUND & SECOND TIER LIGHTING PLAN	•		
E2.2	CRIMINAL JUSTICE CENTER THIRD & FOURTH TIER LIGHTING PLAN	•		
E2.3	CRIMINAL JUSTICE CENTER FIFTH & SIXTH TIER LIGHTING PLAN	•		
E2.4	CRIMINAL JUSTICE CENTER SEVENTH TIER LIGHTING PLAN	•		
E3.0	GENERAL NOTES, SCHEDULES AND LEGEND	•		
E3.1	PEABODY GROUND TIER LIGHTING PLAN	•		
E3.2	PEABODY SECOND TIER LIGHTING PLAN	•		
E3.3	PEABODY THIRD TIER LIGHTING PLAN	•		
E3.4	PEABODY FOURTH TIER LIGHTING PLAN	•		
E3.5	PEABODY FIFTH TIER LIGHTING PLAN	•		
E4.0	GENERAL NOTES, SCHEDULES AND LEGEND	•		
E4.1	FIRST PLACE GROUND & SECOND TIER LIGHTING PLAN	•		
E4.2	FIRST PLACE THIRD & FOURTH TIER LIGHTING PLAN	•		
E4.3	FIRST PLACE FIFTH & SIXTH TIER LIGHTING PLAN	•		
E5.0	GENERAL NOTES, SCHEDULES AND LEGEND	•		
E5.1	BARBORO FLATS LEVEL B3 TIER LIGHTING PLAN	•		
E5.2	BARBORO FLATS LEVEL B2 TIER LIGHTING PLAN	•		
E5.3	BARBORO FLATS LEVEL B1 TIER LIGHTING PLAN	•		
E5.4	BARBORO FLATS LEVEL 1 TIER LIGHTING PLAN	•		
E5.5	BARBORO FLATS LEVEL 1M TIER LIGHTING PLAN	•		

### DRAWING LIST

SHEET NO.	SHEET NAME	ISSUED FOR BID	ADDENDUM #01	ADDENDUM #03
FP0.1	GENERAL NOTES AND LEGEND	•		
FP1.1	CRIMINAL JUSTICE CENTER SECOND TIER PLAN - FIRE PROTECTION	•		



ADDENDUM #03  
04/11/2024



THA Consulting, Inc.  
470 Norristown Road  
Suite 200  
Blue Bell, PA 19422  
T. 484.342.0200  
www.tha-consulting.com

PROFESSIONAL SEAL

CONSULTANT

PROJECT NO.  
ATL23110.01  
PROJECT

# MEMPHIS DOWNTOWN PARKING FACILITIES

2024 RESTORATION

SUBMISSIONS / REVISIONS

04/11/2024  
ADDENDUM #03

NO.	DESCRIPTION	DATE
3	Addendum #03	04/11/2024

DRAWN: DJB

REVIEWED: SHH

DATE: 03/08/2024

SHEET TITLE:

SCOPE OF WORK & BID  
QUANTITY TABLE

SHEET NO.

# R0.2

©2023 THA CONSULTING, INC.

## SCOPE OF WORK AND BIDDING QUANTITIES

THE FOLLOWING INFORMATION SHALL BE USED BY THE BIDDER FOR ASSISTANCE IN PREPARING THE BID. THE ITEMS NOTED AS UNIT PRICE WORK SHALL BE BID IN ACCORDANCE WITH THE QUANTITIES SHOWN FOR THE BASE BID. THE CONTRACT PRICE WILL BE ADJUSTED TO REFLECT THE ACTUAL QUANTITY OF WORK PERFORMED. THE UNIT PRICES WILL BE USED TO INCREASE OR DECREASE THE CONTRACT SUM.

THE REPAIR AREAS INDICATED ON THE DRAWINGS ARE A GENERAL INDICATION OF WHERE THE ENGINEER'S SURVEYS HAVE NOTED POSSIBLE REPAIR LOCATIONS. THE CONTRACTOR SHALL NOT MAKE ANY ASSUMPTIONS OF REPAIR LOCATIONS, SIZES, OR OVERALL QUANTITIES BASED UPON THE INFORMATION ON PLANS. THE PROCEDURE FOR DETERMINING THE REPAIR LOCATIONS ARE EXPLAINED IN THE GENERAL NOTES AND SPECIFICATIONS. ALL WORK SHALL BE PERFORMED BASED ON THE GENERAL CONDITIONS SET FORTH IN THE PROJECT SPECIFICATIONS.

(\*) THE CONTINGENT REPAIR QUANTITIES ARE INCLUDED IN THE TOTAL BASE BID QUANTITY. THE EXACT LOCATION AND QUANTITIES OF REPAIRS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. CONTRACTOR SHALL ONLY ORDER 25% OF REQUIRED MATERIALS AT BEGINNING OF PROJECT ONCE SUBMITTAL HAS BEEN APPROVED BY ENGINEER. CONTRACTOR SHALL ORDER ADDITIONAL MATERIALS AFTER THEIR USE AND NECESSITY HAS BEEN IDENTIFIED DURING THE EARLY STAGES OF THE REPAIR WORK. CONTRACTOR TO INFORM THE ENGINEER/OWNER IF A LONG LEAD TIME IS EXPECTED ON THE MATERIAL ORDERS.

BID QUANTITY TABLE

REPAIR ITEM TYPE	REPAIR ITEM	UNIT OF MEASURE	CJC BASE BID QUANTITIES	PEABODY BASE BID QUANTITIES	FIRST PLACE BASE BID QUANTITIES	TOTALS	REPAIR REFERENCE	UNIT PRICE NUMBER
PFR	PARTIAL DEPTH FLOOR REPAIR	SF	832	243	0	1075	1/R4.1	1
FFR	FULL DEPTH FLOOR REPAIR	SF	0	0	0	0	2/R4.1	2
OSR	OVERHEAD SURFACE REPAIR	SF	85	100	0	185	3/R4.1	3
OBR	OVERHEAD BEAM REPAIR	SF	18	0	1	19	4/R4.1	4
VR	VERTICAL REPAIR	SF	16	46	1	63	6/R4.1	5
CR	COLUMN REPAIR	SF	2	0	0	2	5/R4.1	6
HRG	HAUNCH REPAIR AT GIRDER	EA	2	0	0	2	3/R4.2	7
GBPR	GIRDER BEARING PAD REPLACEMENT	EA	1	0	0	1	4/R4.2	8
TSR1	TEE STEM REPAIR - NON-DAPPED END	EA	0	1	0	1	5/R4.2	9
PTR	P/T TENDON SPLICE REPAIR	EA	39	0	2	41	1/R4.2	10
EJ	EXPANSION JOINT REPLACEMENT	LF	0	482	0	482	1/R4.3	11
EJN	EXPANSION JOINT NOSING REPAIR	LF	0	0	0	0	1/R4.3	12
EJB1	EXPANSION JOINT BLOCKOUT REPAIR	LF	0	0	0	0	2/R4.3	13
EJB2	EXPANSION JOINT BLOCKOUT REPAIR	LF	0	0	0	0	2/R4.3	14
BCR	BARRIER CABLE REPAIR	EA	0	0	39	39	8/R4.1	15
PBI	PIPE BOLLARD INSTALLATION	EA	0	0	406	406	7/R4.1	16
GA	GALVANIC ANODES (*)	EA	200	30	0	230	4/R0.1	17
PCR	P/C PANEL CONNECTION REPAIR	EA	9	0	0	9	8/R4.2	18
FCS	STATIC FLOOR CRACK REPAIR	LF	0	2923	0	2923	9/R4.2	19
TCAU	TRAFFIC DECK COATING APPLICATION - URETHANE	SF	0	964	0	964	4/R4.3	20
COR	CONCRETE OVERLAY REPAIR	SF	0	200	0	200	10/R4.3	21
SFD	SUPPLEMENTAL FLOOR DRAIN	EA	0	3	0	3	9/R4.3	22
STA	SHEAR TRANSFER ANGLE	EA	0	80	0	80	7/R4.2	23
TTC5	TEE-TO-TEE CONNECTION REPAIR (ANGLE CONNECTION) (*)	EA	0	100	0	100	6/R4.2	24
SR	SEALANT REPLACEMENT	LF	0	18216	0	18216	8/R4.3	25
VSR	VERTICAL SEALANT REPLACEMENT	LF	0	2908	0	2908	8/R4.3	26
RGI	RAILING/GAURDRAIL INSTALLATION	LF	0	20	0	20	10/R4.2	27
LS	LINE STRIPING AT SPOT REPAIRS	EA	1	0	0	1	M.1/R0.1	28

NOTES:

- FOR BID PURPOSES ONLY, THE CONTRACTOR SHALL PROVIDE UNIT PRICES FOR ZERO (0) QUANTITY REPAIR ITEMS.
- MEP & FP ALLOWANCE TO BE \$10,000.00.
- THE QUANTITY OF ITEMS (\*) IS A CONTINGENCY. THE ACTUAL LOCATION SHALL BE DETERMINED PER FIELD CONDITION BY THE CONTRACTOR AND SHALL BE VERIFIED BY THE ENGINEER.

**FLOOR REPAIR**

REPAIR TYPE OF REFERENCE: XX-X (#) QUANTITY

# OF LOCATIONS PER REFERENCE

**OVERHEAD REPAIR**

REPAIR TYPE OF REFERENCE: XX-X (#) QUANTITY

# OF LOCATIONS PER REFERENCE

**VERTICAL REPAIR**

REPAIR TYPE OF REFERENCE: XX-X (#) QUANTITY

# OF LOCATIONS PER REFERENCE

REPAIR AREAS ON PLAN ARE DEPICTED ON THE FOLLOWING SURFACES:

PLAN OVERHEAD VERTICAL FLOOR

- PARTIAL DEPTH FLOOR REPAIR
- OVERHEAD SURFACE OR BEAM REPAIR
- TEE STEM REPAIR
- P/T TENDON SPLICE REPAIR
- EXPANSION JOINT REPLACEMENT
- BARRIER CABLE REPAIR
- STATIC FLOOR CRACK REPAIR
- SUPPLEMENTAL FLOOR DRAIN
- CONCRETE OVERLAY REPAIR

**LEGEND**

**FLOOR REPAIR**

- PFR PARTIAL DEPTH FLOOR REPAIR
- PTR P/T TENDON SPLICE REPAIR
- EJ EXPANSION JOINT REPLACEMENT
- PBI PIPE BOLLARD INSTALLATION
- FCS STATIC FLOOR CRACK REPAIR
- TCAU TRAFFIC DECK COATING APPLICATION - URETHANE
- COR CONCRETE OVERLAY REPAIR
- SFD SUPPLEMENTAL FLOOR DRAIN
- TTC5 TEE-TO-TEE CONNECTION REPAIR (ANGLE CONNECTION) (\*)
- SR SEALANT REPLACEMENT

**OVERHEAD REPAIR**

- OSR OVERHEAD SURFACE REPAIR
- OBR OVERHEAD BEAM REPAIR
- GBPR GIRDER BEARING PAD REPLACEMENT
- TSR1 TEE STEM REPAIR - NON-DAPPED END
- STA SHEAR TRANSFER ANGLE

**VERTICAL REPAIR**

- VR VERTICAL REPAIR
- CR COLUMN REPAIR
- HRG HAUNCH REPAIR AT GIRDER
- BCR BARRIER CABLE REPAIR
- PCR P/C PANEL CONNECTION REPAIR
- VSR VERTICAL SEALANT REPLACEMENT
- RGI RAILING/GAURDRAIL INSTALLATION

- PIPE BOLLARD INSTALLATION
- P/C PANEL CONNECTION REPAIR
- SHEAR TRANSFER ANGLE
- TRAFFIC DECK COATING APPLICATION
- RAILING/GAURDRAIL INSTALLATION