

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
600 FIFTH STREET, N.W.
WASHINGTON, D.C. 20001

May 24, 2018

AMENDMENT NO. 2
TO
INVITATION FOR BIDS
FOR
REHABILITATION OF 6 PARKING GARAGES – LARGO TOWN CENTER (NORTH), LARGO TOWN
CENTER (SOUTH), NEW CARROLTON, VIENNA (NORTH), WEST FALLS CHURCH AND WHITE
FLINT
FQ18064/GG

TO WHOM IT MAY CONCERN:

The Invitation for Bid for IFB FQ18064/GG requesting Bids for the above project is hereby changed in part as listed below.

1. Volume 1, Div 0 – Bidding and Contracting Requirements

Delete the following pages and in lieu thereof substitute the accompanying pages:

<u>DELETE</u>	<u>SUBSTITUTE</u>	<u>DESCRIPTION</u>
Section 00100 Notice to Bidders	Section 00100 Notice to Bidders	Revised
Section 00103 Project Bid Schedule	Section 00103 Project Bid Schedule	Revised
Section 00431 Bid Bond	Section 00431 Bid Bond	Revised
Section 00434	Section 00434	Revised
Section 00701. Item 16	Section 00701.Item 16	Revised
Appendix B-21, B-22	Appendix B-21, B-22	Revised
Attachment B-8	Attachment B-8	Added to Appendix B

2. Volume 1 – Division 1-16 – Technical Specifications

<u>DELETE</u>	<u>SUBSTITUTE</u>	<u>DESCRIPTION</u>
Section 01110-4	Section 01110-4	Revised
Section 011113-3	Section 011113-3	Revised
Section 01114-4	Section 01114-4	Revised
Section 01470-17	Section 01470-17	Revised
Section 01520	Section 01520	Revised
Section 05100	Section 05100	Revised
Section 07190-4	Section 07190-4	Revised

3. Volume 2 – IFB Drawings


A12-S-001	GENERAL STRUCTURAL NOTES	Revised
A12-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised
A12-A-101	LEVEL 1 - PARTIAL FLOOR PLAN 1	Revised
A12-A-102	LEVEL 1 - PARTIAL FLOOR PLAN 2	Revised
A12-A-103	LEVEL 2 - PARTIAL FLOOR PLAN 1	Revised
A12-A-104	LEVEL 2 - PARTIAL FLOOR PLAN 2	Revised
A12-A-105	LEVEL 3 - PARTIAL FLOOR PLAN 1	Revised
A12-A-106	LEVEL 3 - PARTIAL FLOOR PLAN 2	Revised
A12-A-107	LEVEL 4 - PARTIAL FLOOR PLAN 1	Revised
A12-A-109	LEVEL 5 - PARTIAL FLOOR PLAN 1	Revised
A12-A-110	LEVEL 5 - PARTIAL FLOOR PLAN 2	Revised
A12-A-111	LEVEL 6 - PARTIAL FLOOR PLAN 1	Revised
A12-A-112	LEVEL 6 - PARTIAL FLOOR PLAN 2	Revised
D13-PP-101	LEVEL 1 - PHASING PLAN	Revised
D13-S-001	GENERAL STRUCTURAL NOTES	Revised
D13-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised
D13-A-101	LEVEL 1 - PARTIAL FLOOR PLAN 1	Revised
D13-A-102	LEVEL 1 - PARTIAL FLOOR PLAN 2	Revised
D13-A-103	LEVEL 2 - PARTIAL FLOOR PLAN 1	Revised
D13-A-104	LEVEL 2 - PARTIAL FLOOR PLAN 2	Revised
D13-A-105	LEVEL 3 - PARTIAL FLOOR PLAN 1	Revised
D13-A-106	LEVEL 3 - PARTIAL FLOOR PLAN 2	Revised
D13-A-107	LEVEL 4 - PARTIAL FLOOR PLAN 1	Revised
D13-A-108	LEVEL 4 - PARTIAL FLOOR PLAN 2	Revised
D13-A-109	LEVEL 5 - PARTIAL FLOOR PLAN 1	Revised
D13-A-111	LEVEL 6 - PARTIAL FLOOR PLAN 1	Revised
D13-A-112	LEVEL 6 - PARTIAL FLOOR PLAN 2	Revised

D13-A-113	LEVEL 7 - PARTIAL FLOOR PLAN 1	Revised
D13-A-114	LEVEL 7 - PARTIAL FLOOR PLAN 2	Revised
D13-A-115	LEVEL 8 - PARTIAL FLOOR PLAN 1	Revised
D13-A-116	LEVEL 8 - PARTIAL FLOOR PLAN 2	Revised
G05-S-001	GENERAL STRUCTURAL NOTES	Revised
G05-S-003	GENERAL STRUCTURAL NOTES	Revised
G05-S-110	LEVEL 5 - FRAMING PLAN	Revised
G05-S-151	LEVEL 2 - PARTIAL FLOOR PLAN 1	Revised
G05-S-153	LEVEL 3 - PARTIAL FLOOR PLAN 1	Revised
G05-S-157	LEVEL 5 - PARTIAL FLOOR PLAN 1	Revised
G05-S-159	LEVEL 6 - PARTIAL FLOOR PLAN 1	Revised
G05-S-160	LEVEL 3 - PARTIAL FRAMING PLAN 1	Revised
G05-S-164	LEVEL 5 - PARTIAL FRAMING PLAN 1	Revised
G05N-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised
G05N-A-101	LEVEL 1 - FLOOR PLAN	Revised
G05N-A-102	LEVEL 2 - FLOOR PLAN	Revised
G05N-A-103	LEVEL 3 - FLOOR PLAN	Revised
G05N-A-104	LEVEL 4 - FLOOR PLAN	Revised
G05N-A-105	LEVEL 5 - FLOOR PLAN	Revised
G05N-A-106	LEVEL 6 - FLOOR PLAN	Revised
G05S-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised
G05S-A-101	LEVEL 2 PARTIAL FLOOR PLAN 1	Revised
G05S-A-102	LEVEL 2 PARTIAL FLOOR PLAN 2	Revised
G05S-A-103	LEVEL 3 PARTIAL FLOOR PLAN 1	Revised
G05S-A-104	LEVEL 3 PARTIAL FLOOR PLAN 2	Revised
G05S-A-105	LEVEL 4 PARTIAL FLOOR PLAN 1	Revised
G05S-A-106	LEVEL 4 PARTIAL FLOOR PLAN 2	Revised
G05S-A-107	LEVEL 5 PARTIAL FLOOR PLAN 1	Revised
G05S-A-108	LEVEL 5 PARTIAL FLOOR PLAN 2	Revised
G05S-A-109	LEVEL 6 FLOOR PLAN	Revised
K06-S-001	GENERAL STRUCTURAL NOTES	Revised
K06-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised

K06-A-101	LEVEL 1	Revised
K06-A-102	LEVEL 2	Revised
K06-A-103	LEVEL 3	Revised
K06-A-104	LEVEL 4	Revised
K06-A-105	LEVEL 5	Revised
K06-A-106	LEVEL 6	Revised
K08-S-001	GENERAL STRUCTURAL NOTES	Revised
K08-S-113	LEVEL 4 - PARTIAL FLOOR PLAN 1	Revised
K08-S-125	LEVEL 4 - PARTIAL FRAMING PLAN 1	Revised
K08-A-002	ARCHITECTURAL KEYNOTES BY DEFICIENCY	Revised
K08-A-101	LEVEL 1 - PARTIAL FLOOR PLAN 1	Revised
K08-A-103	LEVEL 1 - PARTIAL FLOOR PLAN 3	Revised
K08-A-105	LEVEL 2 - PARTIAL FLOOR PLAN 1	Revised
K08-A-109	LEVEL 3 - PARTIAL FLOOR PLAN 1	Revised
K08-A-113	LEVEL 4 - PARTIAL FLOOR PLAN 1	Revised
K08-A-116	LEVEL 4 - PARTIAL FLOOR PLAN 4	Revised
S-501	TYPICAL REPAIR DETAILS 1 OF 19	Revised
S-509	TYPICAL REPAIR DETAILS 9 OF 19	Revised
S-513	TYPICAL REPAIR DETAILS 13 OF 19	Revised

4. Acknowledgment

Bidders are required to acknowledge receipt of this Amendment on Bid Form in the spaces provided. Failure to acknowledge all Amendments may cause the Bid to be considered non responsive to the IFB, which would require rejection of the Bid.



Sherreen N. Toltver
Contracts Manager
Office of Procurement

* * * * *

Section 00100 – Invitation for Bid

INVITATION FOR BID

This Section includes Project information for Bidders.

NOTICE TO BIDDERS

Contract No. FQ18064 includes IBF Documents for:

Project Name: REHABILITATION OF 6 PARKING GARAGES – LARGO TOWN CENTER (NORTH), LARGO TOWN CENTER (SOUTH), NEW CARROLTON, VIENNA (NORTH), WEST FALLS CHURCH AND WHITE FLINT

Bids for the Work described herein shall be submitted before 2:00 PM (Local time) on June 6, 2018.

AM 1 AM2

Questions may be directed to Guzel Gufranova, Contract Administrator, telephone: (202) 962-2467; email: ggufanova@wmata.com See Section 00200, Instructions For Bidders, for Bid submittal instructions.

DIRECTIONS TO SUBMITTING THE BID: Read and comply with the Invitation Instructions. In addition to other submission requirements set forth in this Invitation for Bid and all Amendments, the following must be properly executed, completed, and submitted as part of the Bid:

A. BID:

1. Bid Form (properly executed), Section 00413
2. Bid Price Schedule, Section 00434
3. Bid Security, Section 00431
4. Completed and signed Representations and Certifications, Section 00451
5. DBE Data, Section 00453
6. Compliance Information, Section 00432

BID(S) MUST SET FORTH FULL, ACCURATE, AND COMPLETE INFORMATION AS REQUIRED BY THIS INVITATION FOR BID, INCLUDING ALL AMENDMENTS.

00101 General Statement of Work

- A. The Contractor shall furnish all labor, materials, equipment, incidentals, and other items necessary to complete the Work as required by the Contract documents.
- B. The Project shall function as an integral part of and fully compatible with the existing WMATA system.
- C. It is the responsibility of the Contractor to gather all data necessary for the performance of the Work under this Contract that are needed in addition to Authority-furnished IFB Documents.
- D. Award of the contract will be based on the lowest responsive and responsible bid.
- E. All work under this Contract shall be performed in a logical sequence as developed by the Contractor and in compliance with this IFB.

00102 General Scope of Work

Parking Structure: Rehabilitate six parking garages , – Largo Town Center (North), Largo Town Center (South), New Carrollton, Vienna (North), West Falls Church and White Flint, to return them to a state of good repair.

The Work includes, but is not limited, to pre-cast rehab of the garages, for example: concrete repairs which include repair of cracks and spalls; double tee rehabilitation includes remove and replacement of deck sealant, repair of tee plates, cleaning and painting, etc. expansion joint rehab Work; deteriorated bearing pad replacement; traffic control; pressure washing; curbs and access ramps; application of sealant, re-striping of concrete surfaces; rehabilitation of exposed reinforced steel, installation of drainage slopes and additional surface drains; rehabilitated electrical circuits and lighting fixtures as necessary to meet current lighting code requirements; repair and coat steps in the stairwells; rehabilitating miscellaneous steel at ramp walls and in stairwells, connecting Bridge between Largo Town center north and South Parking Garage.

The Contractor will be working within 50 feet of right-of-way from Largo Town North and Largo Town South parking garages, railroad protective insurance will be required for these parking garages.

00103 Project Bid Schedule

The Bid schedule for this Project is as follows, with some dates being tentative:

- | | | |
|---------------------------------|---------------------------------------|----------|
| 1. Issue Invitation for Bid: | April 16, 2018 | |
| 2. Pre-Bid Conference: | April 26, 2018 at 11:00 AM Local Time | |
| 3. Site Visit | April 26, 2018 | |
| 4. Projected Bid Due/Opening: | June 6, 2018 | AM1, AM2 |
| 5. Projected Contract Award: | June 27, 2018 | AM1, AM2 |
| 6. Projected Notice to Proceed: | July 20, 2018 | AM1, AM2 |
| 7. Period of Performance: | NTP + 1290 Calendar Days | AM1, AM2 |

END OF SECTION

00431 Bid Security (Bid Bond Form)

(Submit with Bid)

This Section includes the Supplementary Bid Forms that are required to be submitted with the Bid.

BID BOND

Invitation for Bid No.: FQ18064

Bid Closing Date: June 6, 2018

AM1,
AM2

Penal Sum of Bond: _____
Insert \$ or %

5% of Bid Price or Amount: _____
Insert Amount

Date Bond Executed: _____
Insert Date

KNOW ALL MEN BY THESE PRESENTS, that we, the Principal and Surety(ies) hereto, are firmly bond to the Washington Metropolitan Area Transit Authority in the above penal sum for the payment of which we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally: provided, that, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as set forth opposite the name of such Surety, but if no limit of liability is indicated, the limit of liability shall be the full amount of the penal sum.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the Bid identified above:

NOW, THEREFORE, if the Principal, upon acceptance by the Authority of this Bid identified above, within the period specified therein for acceptance (60 Days if no period is specified), shall execute such further contractual documents, if any, and give such bond(s) as may be required by the terms of the Bid as accepted within the time specified 10 Days if no period is specified) after receipt of the forms by him, or in the event of failure so to execute such further contractual documents and give such bonds, if the Principal shall pay the Authority for any cost of procuring the work which exceeds the amount of its Bid, then the above obligation shall be void and of not effect.

Each Surety executing this instrument hereby agrees that its obligation shall not be impaired by any extension(s) of the time for acceptance of the Bid that the Principal may grant to the Authority notice of which extension(s) to the Surety(ies) being hereby waived provided that such waiver shall apply only with respect to extensions aggregating not more than 60 Days in addition to the period originally allowed for acceptance of the Bid.

Principals

1. Firm Name:

Corporate Seal

Firm Address:

Title and Signature

State of Incorporation: _____

2. Firm Name:

Corporate Seal

REHABILITATION OF WMATA PARKING FACILITIES					
WEST FALLS CHURCH UNIT PRICE SCHEDULE (BASE BID)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF WEST FALLS CHURCH PARKING GARAGE, INCLUDES WORK NOT SEPCIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	3692	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	19,500	LF	\$	\$
6	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4/S502	62	SF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL REPAIR DETAIL, SEE DETAIL 5/S504 5/S503	449	SF	\$	\$
8	TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6/S503	4	LF	\$	\$
9	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	2212	LF	\$	\$
10	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	3071	LF	\$	\$
11	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	395	LF	\$	\$
12	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	26	SF	\$	\$
13	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506.	57	SF	\$	\$

AM2

14	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506	10	SF	\$	\$	AM2
15	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	78	SF	\$	\$	AM2
16	TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14/S507	13	SF	\$	\$	
17	TYPICAL CMU WALL CRACK REPAIR AT DOUBLE TEE, SEE DETAIL 21/S512	13	LF	\$	\$	
18	TYPICAL TRAFFIC TOPPING SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL 23/S513	70630 77693	SF	\$	\$	AM2
19	INSTALL NEW PLASTIC CAP AT VERTICAL LIFTING POINT, SEE DETAIL 25/S514	8	EA	\$	\$	
20	LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28/S514	173	LF	\$	\$	
21	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	1	SF EA	\$	\$	AM2
22	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	638	SF	\$	\$	
23	LOCATIONS MARKED ON PLANS WITH WATER LEAKING ON WALL SHALL BE CLEANED AND ANY DETERIORATED JOINT	10	SF	\$	\$	

	SHALL BE REPAIRED, SEE DETAIL 31/S515				
24	LOCATIONS MARKED ON PLANS WITH CORRODED/MISSING ANCHOR BOLTS SHALL BE INSTALLED WITH NEW ANCHOR BOLTS AND PAINTED, SEE DETAIL 32/S515	2	EA	\$	\$
25	REPLACE PARKING GARAGE STOP CURB, SEE DETAIL 33/S516	39	EA	\$	\$
26	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	321640	SF	\$	\$
27	TYPICAL MINOR LONGITUDINAL CRACK AT UNDERSIDE OF DOUBLE TEE, SEE DETAIL 40/S519	65	LF	\$	\$
28	CORROSION ON PIPE GUARD 1E, SEE DWG. A-002	12	PCS	\$	\$
29	CORROSION ON HANDRAIL 1F, SEE DWG. A-002	24	LFT	\$	\$
30	CORROSION ON SIGN POST 1J, SEE DWG. A-002	6	PCS	\$	\$
31	DISLODGED SIGNPOST 2B, SEE DWG. A-002	4	PCS	\$	\$
32	DAMAGED/ MISALIGNED DOOR 2C, SEE DWG. A-002	2	PCS	\$	\$
33	DAMAGED/ MISALIGNED DOOR CLOSER 2D, SEE DWG. A-002	2	PCS	\$	\$
34	DISLODGED WHEELSTOP 2E, SEE DWG. A-002	26	PCS	\$	\$
35	DETACHED STOREFRONT MULLIONS 3A, SEE DWG. A- 002	29	LFT	\$	\$
36	CHIPPED/ PEELED PAINT ON BOLLARD 4A, SEE DWG. A- 002	5	PCS	\$	\$
37	CHIPPED/ PEELED PAINT ON PIPE GUARD 4B, SEE DWG. A-002	9	PCS	\$	\$

AM2

AM2

38	CHIPPED/ PEELED PAINT ON HANDRAIL 4C, SEE DWG. A-002	1148	SF	\$	\$
39	FADED OR MISSING PAVEMENT STOP BAR 5A, SEE DWG. A-002	0	SF	\$	\$
40	FADED OR DOUBLE ADA PAVEMENT MARKING 5B, SEE DWG. A-002	0	PCS	\$	\$
41	FADED OR DOUBLE-PARKING STRIPE 5C, SEE DWG. A-002	0	SF	\$	\$
42	FADED NO PARKING STRIPING 5D, SEE DWG. A-002	0	SF	\$	\$
43	FADED OR UNREADABLE SIGN 5E, SEE DWG. A-002	4	PCS	\$	\$
44	FADED OR MISSING PAVEMENT ARROWS 5F, SEE DWG. A-002	300	LF	\$	\$
45	FADED OR SCRATCHED CURB PAINT 5G, SEE DWG. A-002	1190	LF	\$	\$
46	FADED CROSSWALK 5H, SEE DWG. A-002	2170	SF	\$	\$
47	DAMAGED SEALANT 6A, SEE DWG. A-002	158	LF	\$	\$
48	MISSING HARDWARE 7C, SEE DWG. A-002	1	SET	\$	\$
49	STAINED/ VANDALIZED WALL 8B, SEE DWG. A-002	8883	SF	\$	\$
50	STAINED OR WORN OUT FLOORING 8D, SEE DWG. A-002	350	SF	\$	\$
51	STAINED/ VANDALIZED DOOR AND FRAME 8F, SEE DWG. A-002	02	PCS	\$	\$
52	DRAIN BODY CORROSION, SEE KEYED NOTES ON K06-P-001	3	EA	\$	\$
53	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON K06-P-001	20	LF	\$	\$
54	DRAINAGE PIPE DAMAGED, SEE KEYED NOTES ON K06-P-001	5	LF	\$	\$

AM2

AM2

AM2

AM2

AM2

55	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING K06-E-507 FOR SCOPE OF WORK.	\$	LS	\$	\$
<u>56</u>	MISSING SIGN <u>7B</u> , SEE DWG. A-002	<u>1</u>	PCS	<u>\$</u>	<u>\$</u>
57	STAINED/ VANDALIZED BOOTH 8E, SEE DWG. A-002	2	SF	\$	\$

AM2

AM2

REHABILITATION OF WMATA PARKING FACILITIES					
VIENNA UNIT PRICE SCHEDULE (BASE BID)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF VIENNA PARKING GARAGE, INCLUDES WORK NOT SEPCIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1/S501	22	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	6,746	LF	\$	\$
6	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	43,212	LF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4/S502	917	SF	\$	\$
8	TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6/S503	16	LF	\$	\$
9	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	554-567	LF	\$	\$
10	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	672	LF	\$	\$
11	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	1609-1629	LF	\$	\$
12	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	1204	SF	\$	\$
13	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506., SEE DETAIL 11/S506	488	SF	\$	\$
14	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL	331	SF	\$	\$

AM2

AM2

AM2

	FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506					
15	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	934	SF	\$	\$	AM2
16	TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14/S507	3 4	SF	\$	\$	AM2
17	TYPICAL DOUBLE TEE WEB SPALL REPAIR, SEE DETAIL 16/S508	167	SF	\$	\$	
18	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	1553	SF	\$	\$	
19	TYPICAL DOUBLE TEE BEARING PAD REPLACEMENT, SEE DETAIL 18/S510	15	EA	\$	\$	
20	TYPICAL UNEVEN JOINT AT DOUBLE TEE FLANGES, SEE DETAIL 19/S510	126	SF	\$	\$	
21	TYPICAL CONCRETE CURB REPAIR, SEE DETAIL 20/S511	96	SF	\$	\$	
22	TYPICAL TRAFFIC TOPPING SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL 23/S513	153600 171,600	SF	\$	\$	AM2
23	LOCATIONS MARKED ON PLANS WITH PONDING AREA SHALL BE CLEANED AND REPAIRED WITH CONCRETE TOPPING TO PROVIDE APPROPRIATE DRAINAGE SLOPE, SEE DETAIL 26/S514	84	SF	\$	\$	
24	LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28/S514	6	LF	\$	\$	

25	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	5044	SF	\$	\$
26	TYPICAL INVERTED TEE SPALL REPAIR, SEE DETAIL 37/S517	221	SF	\$	\$
27	TYPICAL STAIR NOSING REPAIR, SEE DETAIL 38/S518	149	SF	\$	\$
28	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	436,800	SF	\$	\$
29	CORROSION ON DOOR 1A, SEE DWG. A-002	3	PCS	\$	\$
30	CORROSION ON DOOR FRAME 1B, SEE DWG. A-002	3	PCS	\$	\$
31	CORROSION ON BOLLARD 1D, SEE DWG. A-002	16	PCS	\$	\$
32	CORROSION ON PIPE GUARD 1E, SEE DWG. A-002	20	PCS	\$	\$
33	CORROSION ON HANDRAIL 1F, SEE DWG. A-002	836	LFT	\$	\$
34	CORROSION ON GUARDRAIL 1G, SEE DWG. A-002	12	LFT	\$	\$
35	CORROSION ON SIGN POST 1J, SEE DWG. A-002	24	PCS	\$	\$
36	CORROSION ON STOREFRONT MULLIONS 1K, SEE DWG. A-002	27	LFT	\$	\$
37	CORROSION ON GATE BOOTH 1L, SEE DWG. A-002	80	LFT	\$	\$
38	CORROSION ON FLASHING 1M, SEE DWG. A-002	420	LFT	\$	\$
39	IMPACT DAMAGE TO FLASHING 2F, SEE DWG. A-002	1260	LFT	\$	\$
40	DETACHED STOREFRONT MULLIONS 3A, SEE DWG. A-002	27	LFT	\$	\$
41	DAMAGED CHAIN LINK FENCE 3B, SEE DWG. A-002	24	SF	\$	\$
42	DETACHED SAFETY STRIP 3D, SEE DWG. A-002	1	PCS	\$	\$

AM2

AM2

AM2

43	CHIPPED/ PEELED PAINT ON GUARDRAIL 4D, SEE DWG. A-002	23.5	LFT	\$	\$
44	CHIPPED/ PEELED PAINT ON LIGHTWALL BAR 4H, SEE DWG. A-002	7392	SF	\$	\$
45	FADED OR DOUBLE-PARKING STRIPE 5C, SEE DWG. A-002	<u>18480</u>	SF	\$	\$
46	FADED OR UNREADABLE SIGN 5E, SEE DWG. A-002	17	PCS	\$	\$
47	FADED OR SCRATCHED CURB PAINT 5G, SEE DWG. A-002	<u>1400</u>	LFT	\$	\$
48	DAMAGED SEALANT 6A, SEE DWG. A-002	840	LFT	\$	\$
49	MISSING SIGN 7B, SEE DWG. A-002	10	PCS	\$	\$
50	MISSING TRAFFIC DELINEATOR 7H, SEE DWG. A-002	6	EA	\$	\$
51	STAINED/ VANDALIZED WALL 8B, SEE DWG. A-002	1220	SF	\$	\$
52	DRAIN BODY CORROSION, SEE KEYED NOTES ON K08-P-001	30	EA	\$	\$
53	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON K08-P-001	<u>105</u>	EALF	\$	\$
54	DRAIN GRATE BLOCKED WITH DEBRIS, SEE KEYED NOTES ON K08-P-001	30	EA	\$	\$
55	DRAIN GRATE DAMAGED, SEE KEYED NOTES ON K08-P-001	1	EA	\$	\$
56	DRAINAGE PIPING DISCONNECTED, SEE KEYED NOTES ON K08-P-001	6	EA	\$	\$
57	DRAINAGE PIPING MISSING ELBOW, SEE KEYED NOTES ON K08-P-001	5	EA	\$	\$
58	WATER LEAKAGE FROM ABOVE STRUCTURE, SEE KEYED NOTES ON K08-P-001	1	EA	\$	\$

AM2

59	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING K08-E-509 FOR SCOPE OF WORK.	\$	LS	\$	\$
----	--	----	----	----	----

REHABILITATION OF WMATA PARKING FACILITIES					
LARGO SOUTH UNIT PRICE SCHEDULE (BASE BID)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF LARGO SOUTH PARKING GARAGE, INCLUDES WORK NOT SEPCIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1/S501	411	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	5,423	LF	\$	\$
6	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	24,180	LF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4/S502	651	SF	\$	\$
8	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	12273	LF	\$	\$
9	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	4312	LF	\$	\$
10	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	1668	LF	\$	\$
11	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	163	SF	\$	\$
12	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506., SEE DETAIL 11/S506	473	SF	\$	\$
13	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506	561	SF	\$	\$

AM2

14	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	502	SF	\$	\$	AM2
15	TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14/S507	70 60	SF	\$	\$	AM2
16	TYPICAL DOUBLE TEE WEB SPALL REPAIR, SEE DETAIL 16/S508	20	SF	\$	\$	
17	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	149	SF	\$	\$	
18	TYPICAL DOUBLE TEE BEARING PAD REPLACEMENT, SEE DETAIL 18/S510	5	EA	\$	\$	
19	TYPICAL UNEVEN JOINT AT DOUBLE TEE FLANGES, SEE DETAIL 19/S510	3	SF	\$	\$	
20	TYPICAL CMU WALL CRACK REPAIR AT DOUBLE TEE, SEE DETAIL 21/S512	39	LF	\$	\$	
21	TYPICAL TRAFFIC TOPPING-SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL 23/S513	93713 103,084	SF	\$	\$	AM2
22	LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28/S514	13 52	LF	\$	\$	AM2
23	LOCATIONS MARKED ON PLANS WITH CONNECTION PLATE CORROSION SHALL BE CLEANED AND SEALED BY APPLYING EPOXY SEALANT TO THE AREAS MARKED, SEE DETAIL 29/S515	4	SF	\$	\$	

24	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	10190	SF	\$	\$
25	LOCATIONS MARKED ON PLANS WITH CORRODED/MISSING ANCHOR BOLTS SHALL BE INSTALLED WITH NEW ANCHOR BOLTS AND PAINTED, SEE DETAIL 32/S516	521	EA	\$	\$
26	LOCATIONS MARKED ON PLANS WITH DISPLACED ANGLE/MISSING ANCHOR AT EXPANSION JOINT SUPPORT SHALL BE REALIGNED AND INSTALLED WITH NEW ANCHOR AND PAINT, SEE DETAIL 34/S516	2	EA	\$	\$
27	TYPICAL REPAIR AT CRACK PARALLEL TO EXPANSION JOINT, SEE DETAIL 36/S517	52	EA	\$	\$
28	TYPICAL INVERTED TEE SPALL REPAIR, SEE DETAIL 37/S517	50	SF	\$	\$
29	TYPICAL STAIR NOSING REPAIR, SEE DETAIL 38/S518	29	SF	\$	\$
30	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	305925	SF	\$	\$
31	CORROSION ON DOOR, KEY NOTE 1A SEE DWG. A-002	16	PCS	\$	\$
32	CORROSION ON DOOR FRAME, KEY NOTE 1B SEE DWG. A-002	15	PCS	\$	\$
33	CORROSION ON DOOR CLOSER, KEY NOTE 1C SEE DWG. A-002	16 5	PCS	\$	\$
34	CORROSION ON HANDRAIL, KEY NOTE 1F SEE DWG. A-002	12	LF	\$	\$
35	CORROSION ON RAMP EDGE, KEY NOTE 1I SEE DWG. A-002	40	LF	\$	\$

AM2

AM2

36	MISALIGNED EXIT GATE KEY NOTE 2A SEE DWG. A-002	1	PCS	\$	\$
37	CORROSION ON SIGN POST, KEY NOTE 1J SEE DWG. A- 002	04	PCS	\$	\$
38	DAMAGED/ MISALIGNED DOOR, KEY NOTE 2C SEE DWG. A-002	1	PCS	\$	\$
39	DAMAGED/ MISALIGNED DOOR CLOSER, KEY NOTE 2D SEE DWG. A-002	1	PCS	\$	\$
40	DETACHED/MISSING TENSION BAR KEY NOTE 3C SEE DWG. A-002	1	PCS	\$	\$
41	DISLODGED WHEEL STOP KEY NOTE 2E SEE DWG. A- 002	15	PCS	\$	\$
42	DISLODGED/ MISALIGNED HANGING SIGN, KEY NOTE 2G SEE DWG. A-002	2	PCS	\$	\$
43	MISALIGNED THRESHOLD, KEY NOTE 2H SEE DWG. A- 002	1	PCS	\$	\$
44	DAMAGED CHAIN LINK FENCE, KEY NOTE 3B SEE DWG. A-002	407	SF	\$	\$
45	CHIPPED/ PEELED PAINT ON PIPE GUARD, KEY NOTE 4B SEE DWG. A-002	58	PCS	\$	\$
46	CHIPPED/ PEELED PAINT ON HANDRAIL, KEY NOTE 4C SEE DWG. A-002	361	SF	\$	\$
47	FADED OR MISSING PAVEMENT STOP BAR KEY NOTE 5A SEE DWG. A-002	420	SF	\$	\$
48	FADED OR DOUBLE ADA PAVEMENT MARKING, KEY NOTE 5B SEE DWG. A-002	290	PCS	\$	\$
49	FADED OR DOUBLE- PARKING STRIPE, KEY NOTE 5C SEE DWG. A-002	14650	SF	\$	\$
50	FADED NO PARKING STRIPING, KEY NOTE 5D SEE DWG. A-002	1500	SF	\$	\$
51	FADED OR UNREADABLE SIGN, KEY NOTE 5E SEE DWG. A-002	23	PCS	\$	\$

AM2

AM2

AM2

AM2

AM2

AM2

52	FADED OR MISSING PAVEMENT ARROWS, KEY NOTE 5F SEE DWG. A-002	360	LF	\$	\$
53	DAMAGED SEALANT, KEY NOTE 6A SEE DWG. A-002	48	LF	\$	\$
54	MISSING ACOUSTIC TILE, KEY NOTE 7A SEE DWG. A-002	86	SFET	\$	\$
55	MISSING HARDWARE, KEY NOTE 7C SEE DWG. A-002	4	SET	\$	\$
56	MISSING WALL TIES KEY NOTE 7G SEE DWG. A-002	25	SF	\$	\$
57	MISSING TRAFFIC DELINEATOR, KEY NOTE 7H SEE DWG. A-002	44	EA		
58	STAINED/ VANDALIZED SIGN, KEY NOTE 8A SEE DWG. A-002	3	PCS	\$	\$
59	STAINED/ VANDALIZED WALL, KEY NOTE 8B SEE DWG. A-002	316	SF	\$	\$
60	STAINED CEILING TILE, KEY NOTE 8C SEE DWG. A-002	1234	SF	\$	\$
61	KEY NOTE 8E SEE DWG. A-002	1	PCS	\$	\$
62	WASP/BIRD NEST, SEE KEYED NOTES ON A-002	4	PCS	\$	\$
63	DRAIN BODY CORROSION, SEE KEYED NOTES ON G05-P-001	53	LSEA	\$	\$
64	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON G05-P-001	15	LFS	\$	\$
65	DRAIN GRATE BLOCKED WITH DEBRIS, SEE KEYED NOTES ON G05-P-001	30	EA	\$	\$
66	COVER MISSING THRU THE WALL AC UNIT. REPLACE COVER. SEE KEYED NOTES ON G05-P-001	2	LS	\$	\$
67	VALVE BROKEN. REPLACE VALVE WITH NEW. SEE KEYED NOTES ON G05-P-001	1	LS	\$	\$
68	ELEVATOR MACHINE ROOM – VENTILATION INTAKE DAMPER ACTUATOR	1	LS	\$	\$

AM2

AM2

AM2

AM2

AM2

AM2

	DISENGAGED. REPAIR OR REPLACE ACTUATOR. SEE KEYED NOTES ON G05-P-001				
69	ELEVATOR MACHINE ROOM – VENTILATION FAN NOT RUNNING. FAN MARKED WITH CAUTION TAPE. REPAIR OR REPLACE DAMAGED FAN. SEE KEYED NOTES ON G05-P-001	1	LS	\$	\$
70	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING G05-E-517 FOR SCOPE OF WORK.	\$	LS	\$	\$
71	N/A	\$	LS	\$	\$
<u>72</u>	CHIPPED/ PEELED PAINT ON BOLLARD <u>4A</u> , SEE DWG. A-002	<u>24</u>	PCS	<u>\$</u>	<u>\$</u>

AM2

REHABILITATION OF WMATA PARKING FACILITIES					
NEW CARROLLTON UNIT PRICE SCHEDULE (<u>BASE BID</u> ALTERNATE NO. 1)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF NEW CARROLLTON PARKING GARAGE, INCLUDES WORK NOT SEPCIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1/S501	180	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	2770	LF	\$	\$
6	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	32,441 32,375	LF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4/S502	55	SF	\$	\$
8	TYPICAL DOUBLE TEE BEAM FLANGE SPALL REPAIR DETAIL, SEE DETAIL 5/S504 5/S503	12	SF	\$	\$
9	TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6/S503	6	LF	\$	\$
10	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	1402	LF	\$	\$
11	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	1964 2758	LF	\$	\$
12	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	160	LF	\$	\$
13	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	35	SF		

AM2

AM2

AM2

AM2

14	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S- 506., SEE DETAIL 11/S506	130	SF	\$	\$	
15	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506	4	SF	\$	\$	AM2
16	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	102	SF	\$	\$	AM2
17	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	1	SF EA	\$	\$	AM2
18	TYPICAL DOUBLE TEE BEARING PAD REPLACEMENT, SEE DETAIL 18/S510	4	EA	\$	\$	
19	TYPICAL CMU WALL CRACK REPAIR AT DOUBLE TEE, SEE DETAIL 21/S512	7	LF	\$	\$	
20	TYPICAL TRAFFIC TOPPING- SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL 23/S513	82500 90750	SF	\$	\$	AM2
21	TYPICAL TRAFFIC BOLLARD/ DELINEATOR REPAIR, SEE DETAIL 24/S513	20	EA	\$	\$	AM2
22	INSTALL NEW PLASTIC CAP AT VERTICAL LIFTING POINT, SEE DETAIL 25/S514	17	EA	\$	\$	
23	LOCATIONS MARKED ON PLANS WITH PONDING AREA SHALL BE CLEANED AND REPAIRED WITH CONCRETE TOPPING TO PROVIDE APPROPRIATE DRAINAGE SLOPE, SEE DETAIL 26/S514	104	SF	\$	\$	
24	LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED	49	LF	\$	\$	

	AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28/S514				
25	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	570 159	SF	\$	\$
26	LOCATIONS MARKED ON PLANS WITH WATER LEAKING ON WALL SHALL BE CLEANED AND ANY DETERIORATED JOINT SHALL BE REPAIRED, SEE DETAIL 31/S515	26	SF	\$	\$
27	TYPICAL REPAIR AT CRACK PARALLEL TO EXPANSION JOINT, SEE DETAIL 36/S517	117	EA	\$	\$
28	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	512700	SF	\$	\$
29	TYPICAL MINOR LONGITUDINAL CRACK AT UNDERSIDE OF DOUBLE TEE, SEE DETAIL 40/S519	312	LF	\$	\$
30	CORROSION ON DOOR, KEY NOTE 1A SEE DWG. A-002	2	PCS	\$	\$
31	CORROSION ON DOOR FRAME, KEY NOTE 1B SEE DWG. A-002	47	PCS	\$	\$
32	CORROSION ON BOLLARD, KEY NOTE 1D SEE DWG. A-002	20	PCS	\$	\$
33	CORROSION ON PIPE GUARD, KEY NOTE 1E SEE DWG. A-002	3	PCS	\$	\$
34	CORROSION ON FENCING, KEY NOTE 1H SEE DWG. A-002	73	LF	\$	\$
35	CORROSION ON RAMP EDGE, KEY NOTE 1I SEE DWG. A-002	15	LF	\$	\$
36	CORROSION ON SIGN POST, KEY NOTE 1J SEE DWG. A-002	1	PCS	\$	\$

AM2

AM2

AM2

37	CORROSION ON STOREFRON MULLIONS, KEY NOTE 1K SEE DWG. A-002	4	LF	\$	\$
38	DAMAGED/ MISALIGNED DOOR, KEY NOTE 2C SEE DWG. A-002	1	PCS	\$	\$
39	DAMAGED/ MISALIGNED DOOR CLOSER, KEY NOTE 2D SEE DWG. A-002	10	PCS	\$	\$
40	DISLODGED/ MISALIGNED HANGING SIGN, KEY NOTE 2G SEE DWG. A-002	3	PCS	\$	\$
41	MISALIGNED THRESHOLD, KEY NOTE 2H SEE DWG. A-002	1	PCS	\$	\$
42	DAMAGED CHAIN LINK FENCE, KEY NOTE 3B SEE DWG. A-002	45	SF	\$	\$
43	KEY NOTE 4B SEE DWG. A-002	04	PCS		
44	CHIPPED/ PEELED PAINT ON HANDRAIL, KEY NOTE 4C SEE DWG. A-002	660	SF	\$	\$
45	CHIPPED/ PEELED PAINT ON WALLS, KEY NOTE 4F SEE DWG. A-002	600	SF	\$	\$
46	FADED OR DOUBLE ADA PAVEMENT MARKING, KEY NOTE 5B SEE DWG. A-002	0	PCS	\$	\$
47	FADED OR DOUBLE-PARKING STRIPE, KEY NOTE 5C SEE DWG. A-002	0	SF	\$	\$
48	FADED NO PARKING STRIPING, KEY NOTE 5D SEE DWG. A-002	0	SF	\$	\$
49	FADED OR UNREADABLE SIGN, KEY NOTE 5E SEE DWG. A-002	2	PCS	\$	\$
50	FADED OR MISSING PAVEMENT ARROWS, KEY NOTE 5F SEE DWG. A-002	0	LF	\$	\$
51	FADED OR SCRATCHED CURB PAINT, KEY NOTE 5G SEE DWG. A-002	143	SF	\$	\$
52	DAMAGED SEALANT, KEY NOTE 6A SEE DWG. A-002	108	LF	\$	\$

AM2

AM2

AM2

AM2

AM2

AM2

AM2

53	DETACHED WEATHER STRIPPING, KEY NOTE 6B SEE DWG. A-002	1	LF	\$	\$
54	MISSING HARDWARE, KEY NOTE 7C SEE DWG. A-002	12	SET	\$	\$
55	KEY NOTE 7B SEE DWG. A-002	3	PCS	\$	\$
56	KEY NOTE 7D SEE DWG. A-002	3	PCS	\$	\$
57	MISSING KICKPLATE KEY NOTE 7E SEE DWG. A-002	1	PCS	\$	\$
58	MISSING TRAFFIC DELINEATOR, KEY NOTE 7H SEE DWG. A-002	32	PCS	\$	\$
59	STAINED/ VANDALIZED SIGN, KEY NOTE 8A SEE DWG. A-002	23	PCS	\$	\$
60	STAINED/ VANDALIZED WALL, KEY NOTE 8B SEE DWG. A-002	595	SF	\$	\$
61	STAINED CEILING TILE, KEY NOTE 8C SEE DWG. A-002	4	SF	\$	\$
62	STAINED OR WORN OUT FLOORING, KEY NOTE 8D SEE DWG. A-002	295	SF	\$	\$
63	WASP/BIRD NEST, KEY NOTE 9A SEE DWG. A-002	1	PCS	\$	\$
64	DRAIN BODY CORROSION, SEE KEYED NOTES ON D13-P-001	4	EA	\$	\$
65	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON D13-P-001	20	LF	\$	\$
66	DRAIN GRATE BLOCKED WITH DEBRIS, SEE KEYED NOTES ON D13-P-001	5	EA	\$	\$
67	REPAIR CONDENSATE LINE LEAK FROM AIR CONDITIONING UNIT. SEE KEYED NOTES ON D13-P-001	1	EA	\$	\$
68	COVER MISSING ON WALL HEATER. REPLACE COVER ON WALL HEATER. SEE KEYED NOTES ON D13-P-001	1	EA	\$	\$

AM2

AM2

AM2

69	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING D13-E-509 FOR SCOPE OF WORK.	\$	LS	\$	\$
70	FADED OR MISSING PAVEMENT STOP BAR 5A, SEE DWG. A-002	<u>40</u>	SF	\$	\$

AM2

REHABILITATION OF WMATA PARKING FACILITIES					
LARGO NORTH UNIT PRICE SCHEDULE (BASE BID)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF LARGO NORTH PARKING GARAGE, INCLUDES WORK NOT SEPCIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1/S501	240	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	3,659	LF	\$	\$
6	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	19,783	LF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT DETAIL, SEE DETAIL 4/S502	24	SF	\$	\$
8	TYPICAL DOUBLE TEE BEAM FLANGE SPALL REPAIR DETAIL, SEE DETAIL 5/S504 5/S503	23	SF	\$	\$
9	TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6/S503	2	LF	\$	\$
10	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	11160 7438	LF	\$	\$
11	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	11257 11160	LF	\$	\$
12	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	296	LF	\$	\$
13	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	96	SF	\$	\$
14	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506.	92	SF	\$	\$

AM2

AM2

AM2

15	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506	27	SF	\$	\$	AM2
16	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	585	SF	\$	\$	AM2
17	TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14/S507	12	SF	\$	\$	
18	TYPICAL DETERIORATED CONCRETE WASH REPAIR, SEE DETAIL 15/S508	15 568	SF	\$	\$	AM2
19	TYPICAL DOUBLE TEE WEB SPALL REPAIR, SEE DETAIL 16/S508	24	SF	\$	\$	
20	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	10 11	SF EA	\$	\$	AM2
21	TYPICAL DOUBLE TEE BEARING PAD REPLACEMENT, SEE DETAIL 18/S510	21	EA	\$	\$	
22	TYPICAL UNEVEN JOINT AT DOUBLE TEE FLANGES, SEE DETAIL 19/S510 19/S511	60	SF	\$	\$	AM2
23	TYPICAL CONCRETE CURB REPAIR, SEE DETAIL 20/S511	8	SF	\$	\$	
24	TYPICAL TRAFFIC TOPPING REPAIR AT PARAPET WALL, SEE DETAIL 22/S512	1378	SF	\$	\$	
25	TYPICAL TRAFFIC TOPPING SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL, SEE DETAIL 23/S513	53550 58905	SF	\$	\$	AM2
26	LOCATIONS MARKED ON PLANS WITH PONDING AREA SHALL BE CLEANED AND REPAIRED WITH CONCRETE TOPPING TO PROVIDE APPROPRIATE DRAINAGE SLOPE, SEE DETAIL 26/S514	65	SF	\$	\$	

27	LOCATIONS MARKED ON PLANS WITH EFFLORESCENCE OR RUST STAINING SHALL BE CLEANED AND SEALED BY POWER WASHING AND APPLYING EPOXY SEALANT TO THE AREAS MARKED, SEE DETAIL 27/S514	418	SF	\$	\$
28	LOCATIONS MARKED ON PLANS WITH MORTAR/GROUT DETERIORATION AND CRACKED CMU SHALL BE RETOOLED/REGROUTED AND REPLACE CRACKED CMU BLOCK, SEE DETAIL 28/S514	15	LF	\$	\$
29	LOCATIONS MARKED ON PLANS WITH CONNECTION PLATE CORROSION SHALL BE CLEANED AND SEALED BY APPLYING EPOXY SEALANT TO THE AREAS MARKED, SEE DETAIL 29/S515	6 12 11	EA SF EA	\$	\$
30	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	570	SF	\$	\$
31	LOCATIONS MARKED ON PLANS WITH WATER LEAKING ON WALL SHALL BE CLEANED AND ANY DETERIORATED JOINT SHALL BE REPAIRED, SEE DETAIL 31/S515	263	SF	\$	\$
32	LOCATIONS MARKED ON PLANS WITH CORRODED/MISSING ANCHOR BOLTS SHALL BE INSTALLED WITH NEW ANCHOR BOLTS AND PAINTED, SEE DETAIL 32/S515	273	EA	\$	\$

AM2

33	LOCATIONS MARKED ON PLANS WITH CORROSION AT WELDING SHALL BE CLEANED AND GALVANIZE COATING TO BE PROVIDED, SEE DETAIL 35/S516	123	EA	\$	\$	
34	DETERIORATED CONCRETE- WASH REPAIR, SEE DETAIL- 15/S508	15	SF	\$	\$	AM2
345	TYPICAL REPAIR AT CRACK PARALLEL TO EXPANSION JOINT, SEE DETAIL 36/S517	283	EA	\$	\$	
356	TYPICAL INVERTED TEE SPALL REPAIR, SEE DETAIL 37/S517	6	SF	\$	\$	
367	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	221030	SF	\$	\$	
378	TYPICAL MINOR LONGITUDINAL CRACK AT UNDERSIDE OF DOUBLE TEE, SEE DETAIL 40/S519	6000	LF	\$	\$	
389	CORROSION ON DOOR, KEY NOTE 1A SEE DWG. A-002	10	PCS	\$	\$	AM2
3940	CORROSION ON DOOR FRAME, KEY NOTE 1B SEE DWG. A-002	10	PCS	\$	\$	AM2
401	CORROSION ON DOOR CLOSER, KEY NOTE 1C SEE DWG. A-002	10	PCS	\$	\$	AM2
412	CORROSION ON PIPE GUARD, KEY NOTE 1E SEE DWG. A-002	5	PCS	\$	\$	
423	CORROSION ON FENCING, KEY NOTE 1H SEE DWG. A-002	14	LF	\$	\$	
434	CORROSION ON HANDRAIL, KEY NOTE 1F SEE DWG. A-002	6	LF	\$	\$	
445	CORROSION ON SIGN POST, KEY NOTE 1J SEE DWG. A-002	45	PCS	\$	\$	AM2
456	DISLODGED WHEELSTOP, KEY NOTE 2E SEE DWG. A-002	19	PCS	\$	\$	
467	DISLODGED/ MISALIGNED HANGING SIGN, KEY NOTE 2G SEE DWG. A-002	23	PCS	\$	\$	AM2

478	DAMAGED CHAIN LINK FENCE, KEY NOTE 3B SEE DWG. A-002	28	SF	\$	\$
489	KEY NOTE 3C SEE DWG. A-002	9	PCS	\$	\$
4950	CHIPPED/ PEELED PAINT ON BOLLARD, KEY NOTE 4A SEE DWG. A-002	18	PCS	\$	\$
501	CHIPPED/ PEELED PAINT ON PIPE GUARD, KEY NOTE 4B SEE DWG. A-002	29	PCS	\$	\$
512	CHIPPED/ PEELED PAINT ON HANDRAIL, KEY NOTE 4C SEE DWG. A-002	499	SF	\$	\$
523	FADED OR DOUBLE ADA PAVEMENT MARKING, KEY NOTE 5B SEE DWG. A-002	0	PCS	\$	\$
534	FADED OR DOUBLE-PARKING STRIPE, KEY NOTE 5C SEE DWG. A-002	0	SF	\$	\$
545	FADED NO PARKING STRIPING, KEY NOTE 5D SEE DWG. A-003	0	SF	\$	\$
556	FADED OR MISSING PAVEMENT ARROWS, KEY NOTE 5F SEE DWG. A-002	0	LF	\$	\$
567	DAMAGED SEALANT, KEY NOTE 6A SEE DWG. A-002	28	LF	\$	\$
578	MISSING SIGN, KEY NOTE 7B SEE DWG. A-002	1	PCS	\$	\$
589	MISSING HARDWARE, KEY NOTE 7C SEE DWG. A-002	4	SET	\$	\$
5960	MISSING TRAFFIC DELINEATOR, KEY NOTE 7H SEE DWG. A-002	2	PCS	\$	\$
601	STAINED CEILING TILE, KEY NOTE 8C SEE DWG. A-002	12	SF	\$	\$
612	STAINED OR WORN OUT FLOORING, KEY NOTE 8D SEE DWG. A-002	3490	SF	\$	\$
623	STAINED/ VANDALIZED DOOR AND FRAME, KEY NOTE 8F SEE DWG. A-002	50	SF	\$	\$
634	DRAIN BODY CORROSION, SEE KEYED NOTES ON DWG G05-P001	52	EA	\$	\$

AM2

AM2

AM2

AM2

AM2

AM2

645	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON DWG G05-P001	35	LF	\$	\$
656	DRAIN GRATE BLOCKED WITH DEBRIS, SEE KEYED NOTES ON DWG G05-P001	2	EA	\$	\$
667	COVER MISSING THRU THE WALL AC UNIT. REPLACE COVER. SEE KEYED NOTES ON DWG G05-P001	20	LF	\$	\$
678	VALVE WHEEL BROKEN ON WASHDOWN PIPING. SEE KEYED NOTES ON G05-P-001	1	EA	\$	\$
689	WASHDOWN PIPING CORROSION. SEE KEYED NOTES ON G05-P-001	204	LFEA	\$	\$
7069	FIRE PROTECTION RISER PIPING CORROSION. SEE KEYED NOTES ON G05-P-001	20	LF	\$	\$
704	REPAIR 9 ON A12-P001	5	LF	\$	\$
712	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING G05-E-507 FOR SCOPE OF WORK.	\$	LS	\$	\$
72	N/A	N/A	N/A	N/A	N/A

AM2

AM2

REHABILITATION OF WMATA PARKING FACILITIES					
WHITE FLINT UNIT PRICE SCHEDULE (BASE BID)					
Item No	Description	QUANTITY	Unit	Unit Price	Total Price
1	MOBILIZATION	\$	LS	\$	\$
2	REHABILITATION OF WHITE FLINT PARKING GARAGE, INCLUDES WORK NOT SPECIFIED UNDER UNIT PRICE ITEMS	\$	LS	\$	\$
3	QUALITY CONTROL ENGINEERING SERVICES PER SECTION 01470 OF TECHNICAL SPECIFICATIONS	\$	LS	\$	\$
4	TYPICAL EXPANSION JOINT REPAIR, SEE DETAIL 1/S501	308	LF	\$	\$
5	TYPICAL SEALANT REPAIR AT TOOLED JOINT, SEE DETAIL 2/S501	21,289 4240	LF	\$	\$
6	TYPICAL SEALANT REPAIR AT DOUBLE TEE BEAM JOINT, SEE DETAIL 3/S502	2637 21,682	LF	\$	\$
7	TYPICAL DOUBLE TEE BEAM FLANGE SPALL WITH SEALANT, SEE DETAIL 4/S502	2077	SF	\$	\$
8	TYPICAL VERTICAL JOINT SEALANT REPAIR, SEE DETAIL 6/S503	218	LF	\$	\$
9	TYPICAL UNDERSIDE CRACK REPAIR, SEE DETAIL 7/S504	4479	LF	\$	\$
10	TYPICAL TOP SIDE CRACK REPAIR, SEE DETAIL 8/S504	4337	LF	\$	\$
11	TYPICAL VERTICAL CRACK REPAIR, SEE DETAIL 9/S505	1293 1297	LF	\$	\$
12	TYPICAL VERTICAL SPALL REPAIR, SEE DETAIL 10/S505	73	SF	\$	\$
13	TYPICAL CONCRETE TOP SIDE SPALL REPAIR, SEE DETAIL 11 ON DRAWING S-506	139	SF	\$	\$
14	TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF	108	SF	\$	\$

AM2

AM2

AM2

AM2

	CONCRETE DECK TYPICAL FULL DEPTH SPALL REPAIR AT UNDERSIDE OF CONC DECK, SEE DETAIL 12/S506					
15	TYPICAL SHALLOW SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK TYPICAL DEEP SPALL REPAIR AT UNDERSIDE OF CONCRETE DECK, SEE DETAIL 13/S507	704	SF	\$	\$	AM2
16	TYPICAL REPAIR AT HORIZONTAL LIFTING POINT, SEE DETAIL 14/S507	11	SF	\$	\$	AM2
17	TYPICAL DOUBLE TEE WEB SPALL REPAIR, SEE DETAIL 16/S508	44	SF	\$	\$	
18	TYPICAL CONNECTION PLATE REPAIR, SEE DETAIL 17/S509	147	SF	\$	\$	
19	TYPICAL TRAFFIC TOPPING SYSTEM REPAIR BEARING MEMBRANE, SEE DETAIL 23/S513	71581 84,856	SF	\$	\$	AM2
20	TYPICAL TRAFFIC BOLLARD/DELINEATOR REPAIR, SEE DETAIL 24/S513	2	EA	\$	\$	
21	INSTALL NEW PLASTIC CAP AT VERTICAL LIFTING POINT, SEE DETAIL 25/S514	14	EA	\$	\$	
22	LOCATIONS MARKED ON PLANS WITH MAP CRACKING OR HONEYCOMB SHALL BE CLEANED AND COATED WITH WATERPROOFING, SEE DETAIL 30/S515	1951	SF	\$	\$	
23	LOCATIONS MARKED ON PLANS WITH WATER LEAKING ON WALL SHALL BE CLEANED AND ANY DETERIORATED JOINT SHALL BE REPAIRED, SEE DETAIL 31/S515	135	SF	\$	\$	
24	TYPICAL INVERTED TEE SPALL REPAIR, SEE DETAIL 37/S517	3	SF	\$	\$	

25	TYPICAL STAIR NOSING REPAIR, SEE DETAIL 38/S518	2	SF	\$	\$	
26	TYPICAL SILANE SEALER COATING SYSTEM, SEE DETAIL 39/S519	332,379	SF	\$	\$	
27	CORROSION ON DOOR FRAME CORROSION ON HANDRAIL, KEY NOTE 1B, SEE DETAIL A/A502	1	PCS	\$	\$	
28	CORROSION ON PIPE GUARD 1E , SEE DWG. A-002.	21		\$	\$	<u>AM2</u>
298	CORROSION ON GUARDRAIL KEY NOTE 1G, SEE DWG. A-002	20	LF	\$	\$	<u>AM2</u>
2930	CORROSION ON FENCING KEY NOTE 1H, SEE DWG. A-002	50	LF	\$	\$	
319	DAMAGED/ MISALIGNED DOOR KEY NOTE 2C, SEE DWG. A-002	1	PCS	\$	\$	
324	DAMAGED/ MISALIGNED DOOR CLOSER KEY NOTE 2D, SEE DWG. A-002	2	PCS	\$	\$	
332	DISLODGED/ MISALIGNED HANGING SIGN KEY NOTE 2G DETAIL 1&2 ON A502	8	PCS	\$	\$	<u>AM2</u>
343	DETACHED SAFETY STRIP KEY NOTE 3D, SEE DWG. A-002	9	PCS	\$	\$	
354	CHIPPED/ PEELED PAINT ON BOLLARD KEY NOTE 4A, SEE DWG. A-002	1635	PCS	\$	\$	<u>AM2</u>
365	CHIPPED/ PEELED PAINT ON PIPE GUARD KEY NOTE 4B, SEE DWG. A-002	17	PCS	\$	\$	
376	CHIPPED/ PEELED PAINT ON HANDRAIL KEY NOTE 4C, SEE DWG. A-002	96	SF	\$	\$	
387	FADED OR MISSING PAVEMENT STOP BAR, KEY NOTE 5A SEE DWG. A-002	0	SF	\$	\$	<u>AM2</u>
398	FADED OR DOUBLE ADA PAVEMENT MARKING, KEY NOTE 5B SEE DWG. A-002	0	PCS	\$	\$	<u>AM2</u>
4039	FADED OR DOUBLE-PARKING STRIPE, KEY NOTE 5C SEE DWG. A-002	0	SF	\$	\$	<u>AM2</u>

419	FADED NO PARKING STRIPING, KEY NOTE 5D SEE DWG. A-002	0	SF	\$	\$	<u>AM2</u>
424	FADED OR MISSING PAVEMENT ARROWS, KEY NOTE 5F SEE DWG. A-002	0	LF	\$	\$	<u>AM2</u>
432	DETACHED WEATHER STRIPPING, KEY NOTE 6B SEE DWG. A-002	14	LF	\$	\$	
443	MISSING ACOUSTICAL CEILING TILES, KEY NOTE 7A SEE DWG. A-002	48	SF	\$	\$	
454	MISSING SIGN, KEY NOTE 7B SEE DWG. A-002	1	PCS	\$	\$	
465	MISSING HARDWARE, KEY NOTE 7C SEE DWG. A-002	1	SET	\$	\$	
47	MISSING TRAFFIC DELINEATOR 7H , SEE DWG. A-002	6	PCS	\$	\$	
486	KEY NOTE 5G SEE DWG. A-002	0	SF	\$	\$	AM2
497	STAINED/ VANDALIZED SIGN, KEY NOTE 8A SEE DWG. A-002	1	PCS	\$	\$	AM2
4850	PLANT ENCROACHMENT, KEY NOTE 9B SEE DWG. A-002	120	SF	\$	\$	
4951	DRAIN BODY CORROSION, SEE KEYED NOTES ON A12-P-001	112	EA	\$	\$	<u>AM2</u>
520	DRAINAGE PIPE CORROSION, SEE KEYED NOTES ON A12-P-001	20\$	LF	\$	\$	<u>AM2</u>
534	REPLACE DRAIN GRATING WITH SAME TYPE AS EXISTING. SEE KEYED NOTES ON A12-P-001.	10	EALF	\$	\$	<u>AM2</u>
542	<u>REPLACE DRAIN GRATING,</u> REPAIR 4 ON A12-P001	1	EA	\$	\$	AM2
553	REFERENCE ELECTRICAL CORRECTIVE ACTION DRAWING FOR A12-E-508 SCOPE OF WORK.	\$	LS	\$	\$	<u>AM2</u>

Total Base Work, West Falls Church Parking Garage	\$
Total Base Work, Vienna Parking Garage	\$
Total Base Work, Largo South Parking Garage	\$
Total Base Work, Largo North Flint Parking Garage	\$
Total Base Work, White Flint Parking Garage	\$
Total Base Work, New Carrollton Parking Garage	\$
RAILROAD PROTECTIVE LIABILITY WAIVER FEE	\$42,061.21
Total Bid Price (Base Work plus Option 1: West Falls Church Parking Garage; Vienna Parking Garage; Largo South Parking Garage; Largo North Parking Garage; White Flint Parking Garage; New Carrollton Parking Garage)	\$

AM2

AM2

NOTES TO BIDDERS:

1. The Contract will be awarded on the basis of the lowest responsive Total Bid Price (~~Base plus Options~~) from a responsible Bidder. A single Contract will be awarded.
2. The Bidder must bid on all items. Failure to bid on all items shall result in bid rejection.
3. Any bid which is materially unbalanced as to prices for the various items may be rejected as non-responsible. A materially unbalanced bid is one which is based on prices which are materially overstated for other work.
4. Prices - The prices shall constitute full compensation for all costs of performance under this contract, including but not limited to: labor, materials, equipment, supervision, quality control, testing, safety including without limitation Safety Superintendent costs, transportation, project management including without limitation Project Manager costs, overhead, profit, tax, bonds and other items necessary to complete the work.
5. Prices shall be firm fixed and shall not be subject to any change during the Period of Performance of the Contract.
6. The Bidder must furnish a Bid Guarantee in accordance with the Invitation for Bid for the Total Bid Price (~~Base plus Options~~).
7. Performance and Payment Bonds - The Performance and Payment Bonds shall be based upon the initial Notice of Award amount in accordance with Section 00600 Bonds and Certificates.

8. WMATA Railroad Protective Liability Program Option – See Section 00777 Indemnification and Insurance. The Authority may offer to waive the requirement for the Contractor to procure RRP if 1) the work can be covered under the Authority's blanket RRP program, and 2) the Contractor prepays the waiver fee which shall be determined by the rate schedule promulgated by the insurer in effect as of the effective date of this Contract. Contractor shall be advised of and pay the applicable waiver, or procure a standalone RRP policy on the Authority's behalf.

If the contractor chooses to not utilize the WMATA RRPL, then WMATA will reimburse the Contractor for the actual cost with no markups up to the amount (not allowance) that would have been paid for the WMATA waiver fee. For Bidding purposes the Railroad Protective Liability Insurance Allowance amount listed in the Unit Price Schedule **shall not be changed** by the Bidder.

9. The Bidder is advised that this Contract contains Davis-Bacon provisions. The Contractor will be required to submit certified payrolls on a weekly basis. Also, the Authority will monitor compliance by performing Labor Standards Interviews of the labor force. The Authority will hold retainage in a sufficient amount as may be considered necessary for any underpayment of wages and/or fringes until they are fully resolved in accordance with the Labor Provisions of the contract. The Contractor is obligated to pay the minimum wage rates as listed in Appendix D Wage Rates of this Contract throughout the Period of Performance including any or all Options, and are not entitled to change orders for increased costs associated with any change in the wage rate requirements made after Notice of Award effective date.

10. DBE data (See Appendix B) shall be submitted with the bid; applies only if total bid price (base plus option) is \$500,000 or more.

Name of Bidder or Contractor: _____

-
16. Contracting Officer Representative (COR)/Authority Representative (AR): The person to whom the Contracting Officer delegates the authority and responsibility for post award execution of the Contract. The Contracting Officer Representative is the Authority's primary point of contact with the Contractor. AM2
17. Contract Price: The amount payable to the Contractor under the terms and conditions of the Contract based on lump sum prices, unit prices, fixed prices or combination thereof, with adjustments made in accordance with the Contract.
18. Day: Calendar day except where the term work day or like term is used.
19. Contractor: The individual, partnership, firm, corporation, or other business entity that is contractually obligated to the Authority to furnish, through itself or others, the construction services described in the Contract, including all incidentals which are necessary to complete the Work in accordance with the Contract.
20. Designer: The individual, partnership, firm, corporation or other business entity that is either the Contractor, or employed or retained by the Contractor, to manage and perform the design services for the Project.
21. Design Drawings: Not Used.
22. Design Specifications: Not Used.
23. Equivalent: Equal or better quality and performance to that specified in the IFB Documents.
24. Final Payment: The last payment made to the Contractor following Acceptance of the Work. For full description, refer to Section 00755, FINAL PAYMENT.
25. General Conditions: A compilation of contractual and legal requirements that lists the rights, responsibilities, and relationships of the parties to a contract and defines duties and limits of authority for design professionals and construction management in performance of contract administration.
26. General Requirements: A compilation of the conditions and performance requirements (Division 1) peculiar to the specific contract that govern the execution of the design and construction work.
27. Industry Standards: Drawings, documents, and specifications or portions thereof published by industry organizations. Industry Standards are not Contract Documents unless specifically listed as such in a WMATA Standard Specification or WMATA Guide Specification.
28. Issued for Construction Drawings/Specifications: Not Used.
29. Jurisdictional Authority: Refers to Federal, State and local authorities or agencies having approval authority over work to which reference is made.
30. Legal Requirements: All federal, state and local laws, ordinances, rules, orders, decrees, and regulatory requirements such as: building codes, mechanical codes, electrical codes, fire codes, Americans with Disabilities Act Accessibility Guidelines (ADAAG) regulations and other regulations of any government or quasi-government entity that are applicable to the Project.
31. Milestone: A specified date in the Contract by which the Contractor is required to complete a designated portion or segment of the Work
32. Modification: A written document issued pursuant to Section 00748, CHANGES, which alters the scope of the Work, the Schedule, the Contract Price, the Period of Performance, or makes any other change to the Contract after award or execution of the Contract.

time of bid opening for any Contract in which a DBE goal is applicable or for any Contract in which there was no goal established, but the offeror identified DBE-certified firms that it intended to enter into subcontract agreements with in its initial bid. Any bidder who fails to complete and return the following information, if applicable, with its bid may be deemed to be not responsible and may be ineligible for Contract award. Offerors that fail to meet the DBE goal, if any, specified in the solicitation and fail to demonstrate a good faith effort and/or to justify waiver of the DBE goal, may be deemed to be not responsible and may be ineligible for contract award.

8. CONTRACT ADMINISTRATION REQUIREMENTS:

The following requirements apply after Contract award:

- A. The Contractor shall include the following provision in each subcontract it awards in support of the DBE goal:

"The Contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of US DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, that may result in termination of this Contract or such other remedy as the Authority deems appropriate."

- B. (1) The Contractor shall monitor the performance of, collect and report data on DBE participation to the WMATA's Small Business Programs Office on the WMATA website at www.wmata.com under Doing Business with WMATA and on the attached "Prompt Payment Report-Prime Contractor's Report" (Attachment B-6) which shall be submitted monthly with each payment request. Failure to submit these reports may result in suspension of Contract payments. The Contractor shall certify with each payment request that payment has been or will be made to all subcontractors due payment, within ten (10) days after receipt of payment from the Authority for work by that subcontractor. The Contractor shall inform the COR or COTR, with its payment request, of any situation where scheduled subcontractor payments have not been made and the reason therefore. AM2

- (2) The Contractor shall require each subcontractor to report Prompt Payment data to WMATA's Small Business Programs Office online at www.wmata.com under Doing Business with WMATA and on a monthly basis using the attached "Prompt Payment Report-Subcontractor's Report" (Attachment B-7). The subcontractor shall certify that payment has been received. AM2

- (3) The Contractor and the subcontractor are required to have Prompt Payment reporting training for each WMATA contract which has been awarded to them. Failure to complete this training may result in suspension of contract payments.

- C. The Contractor shall have a continuing obligation to maintain a schedule for participation by DBE contractor(s) to meet its goal set forth above in this Appendix. The Contractor shall not work performed nor the materials or supplies furnished by any individual or firm other than those named in the "Schedule of DBE Participation." If at any time, the Contractor believes or has reason to believe that it needs to obtain a substitute for a DBE contractor named in the "Schedule of DBE Participation", the Contractor shall, within ten (10) days, notify the Contracting Officer and Small Business Programs Office of that fact in writing on (Attachment B-8). A copy of this written request will be forwarded to the DBE vendor. The vendor shall have ten (10) days to respond in writing to the Contracting Officer. The Contracting Officer shall will meet with the DBE Liaison Officer to review the documentation submitted. A written determination will be made within ten (10) days on whether to approve or deny the request. There is no appeal to this decision. A copy of this decision shall be maintained in the contract file. Situations which may warrant substitution for a DBE firm include, but are not limited to the following: AM2

- (1) Evidence of change in ownership or circumstances regarding the firm's status as a DBE. AM2
- (2) Death or physical disability, if the named subcontractor or DBE partner of the joint venture is an individual.

- (3) Dissolution, if a corporation or partnership.
- (4) Bankruptcy of the subcontractor, subject to applicable bankruptcy law, and only instances where the bankruptcy affects the Contractor's ability to perform.
- (5) Inability to furnish a reasonable performance or payment bond, if required.
- (6) Inability to obtain, or loss of, a license necessary for the performance of the particular category of work.
- (7) Failure or inability to comply with a requirement of law applicable to contractors and subcontractors on a construction, alteration or repair project.
- (8) Failure or refusal to execute the subcontract in accordance with the terms of an offer submitted to the Contractor prior to the Contractor's submission of its offer, but only where the Contracting Officer or other delegated Authority representative can ascertain with reasonable certainty the terms of such offer. In the absence of any other factors, such a failure or refusal will be considered an unusual situation only if the offeror obtained, prior to bidding/proposing, an enforcement commitment from the subcontractor involved.
- (9) Failure to comply with the terms and conditions of this Contract or those of its subcontract or joint venture agreement.

The Contractor must have the prior, written approval of the Contracting Officer and the DBE Liaison before substitution of a DBE subcontractor, regardless of the reason for substitution. Failure to obtain the Authority's approval could result in the Contractor's suspension or debarment.

AM2

If the request for substitution is approved, within thirty (30) days thereafter, the Contractor shall, if necessary to achieve the Appendix B goal, make every reasonable effort to subcontract the same or other work equivalent in value to other certified DBE firms. These efforts must be submitted in writing to the Contracting Officer and the DBE Liaison Officer. Examples of reasonable efforts include, but are not limited to the following:

AM2

1. documentation of efforts made to assist the DBEs contacted that needed assistance in obtaining bonding or insurance required by the bidder or the Authority;
2. documentation of efforts to utilize the services of small business organizations, community and contractor groups to locate qualified DBEs;
3. documentation that the bidder has broken out contract work items into economically feasible units in fields where there are available DBE firms to perform the work; and
4. evidence that adequate information was provided to interested DBEs about the plans, specifications and requirements of the contract, and that such information was communicated in a timely manner.

AM2

AM2

AM2

AM2

D. The Contractor shall forward copies of all subcontracts to the DBE Office at the time of their execution.

E. If the Contracting Officer or other delegated Authority representative determines that the Contractor has failed to comply with this Appendix B, he/she will notify the Contractor of such noncompliance and the action to be taken. The Contractor shall, after receipt of such notice, take corrective action. If the Contractor fails or refuses to comply promptly, the Contracting Officer or other delegated Authority representative may issue a "stop work order" stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop work order shall be made the subject of claim for extension of time or for excess costs or damages by the Contractor. When the Authority proceeds with such formal actions, it has the burden of proving that the Contractor has not met the requirements of this Appendix. The Contractor's failure to meet its Appendix B goal shall shift the burden to it to show that it has met the good faith requirements of this Appendix. After exhausting all of its administrative and legal remedies, if the Contractor is found to have failed to exert a "good faith effort" to involve DBEs in the work, the Authority may suspend or debar the Contractor.

F. The Contractor agrees to cooperate in any studies or surveys as may be conducted by the Authority which are necessary to determine the extent of the Contractor's compliance with this Appendix.

**Washington Metropolitan Area Transit Authority
Disadvantage Business Enterprise Program
Termination/Substitution/Reduction Request (TSR) Form
(Attachment B-8)**

Contract No.: _____ MOD No.: _____ Task Order No.: _____

Prime: _____ Vendor ID No.: _____

DBE Firm: _____ DBE Certification No.: _____

Requestor: _____ Email: _____ Phone No.: _____

Type of Request: _____ Termination: _____ Substitution: _____ Reduction: _____

1. Is this request due to a WMATA Change Order/Scope

_____ Yes, explain the Change Order/Scope impact on DBE participation.

_____ No, select below the fact(s) and the reason(s) for the request (see attached instructions)

_____ Fails or refuses to execute written contract;

_____ Fails or refuses to perform work in accordance with normal industry standards;

_____ Becomes bankrupt, insolvent or exhibits credit unworthiness;

_____ Is ineligible to work because of suspension or debarment proceedings;

_____ Is not a responsible contract;

_____ Voluntarily withdraws from the project and provides to WMATA written notice of its withdrawal;

_____ Is ineligible to receive DBE credit for the type of work required;

_____ Owner dies or becomes disable resulting in inability to complete work on the contract;
or

_____ Other documented good cause (Attach documentation).

Attach a brief statement of facts describing the situation and any documentation to substantiate selection and any documentation to substantiate selection above

2. Date determined the DBE is unwilling, unable or ineligible to perform work: _____

3. Date of written notice to DBE: _____ (Attach a notice with this request, along with a copy of the DBE response.)

4. Amount of DBE subcontract. \$ _____
5. Amount paid to DBE for work completed \$ _____
6. DBE amount to be substituted \$ _____
7. Proposed Subcontractor Name(s) (if applicable).
- _____
- _____
- _____

8. Projected date for replacement Subcontractor to commence work _____
9. Is the replacement a WMATA certified DBE?
- ____ Yes, please provide new DBE Letter of Intent, Vendor ID No. or DBE Cert. No.: _____
- ____ No, provide Good Faith Effort (GFE) documentation
10. Is this project scheduled to meet the assessed DBE goal? ____ Yes ____ No

Original DBE Subcontractor Signature

Date

Prime Contractor Signature

Date

WMATA Contracting Officer Signature

Date

FOR WMATA USE ONLY

Request is: ____ Approved ____ Denied

WMATA DBE LO: _____

Signature

Date

1.02 DAYS/HOURS OF WORK

- A. The standard work week for the Contract will be 5 consecutive 8-hour days Monday-Friday, with the work scheduled between 7:00 am to 4:00 pm or as defined in Section 01141, ACCESS TO SITE.
- B. Provide Contracting Officer Representative 7 Days advance notice prior to changing shift hours and 48 hours advance notice for planned work shifts outside the established work week and work day.

AM2

1.03 LOCATION

- A. The Project is located at five WMATA Metro Station described below:
 - 1. The two Largo Town Center parking facilities are located adjacent to north and south sides of the Largo Town Center Metro Station. The north parking garage can be accessed via Harry S. Truman Drive, and south parking garage can be accessed via Grand Boulevard. The north parking structure is a six-level garage with the lowest level at finish grade. The south parking structure is a five-level garage with the lowest level at finish grade. Both garages consist of upper levels made from consist of precast concrete double tee members, and façade made of precast panels with thin brick tiles and spandrel beams. The two parking facilities are connected via a roof level vehicular bridge over the metro platform, canopy and tracks.
 - 2. The New Carrollton parking facility is located adjacent to the New Carrollton Metro Station along Garden City Drive. The parking structure is an eight-level garage with the lower level at finish grade. The elevated levels consist of precast concrete double tee members. The façade of the parking structure consists of precast concrete members.
 - 3. The Vienna (North) parking facility is located just north of The Custis Memorial Parkway (Route 66) at the corner of Vaden Drive and County Creek Road. The parking structure is a four-level garage with the lowest level at finish grade. The upper levels consist of precast concrete double tee members. The façade of the parking structure consists of precast concrete members.
 - 4. The West Falls Church parking facility is located between the westbound and eastbound lanes of the Custis Memorial Parkway, and south of the West Falls Church Metro Station. The parking structure is an eight-level garage with the lower level at finish grade. The elevated levels consist of precast concrete double tee members. The façade of the parking structure consists of precast concrete members.
 - 5. The White Flint parking facility is located east of White Flint Metro Station and north of Marinelli Road. The parking structure is a six-level garage with the lower level at finish grade. The elevated levels consist of precast concrete double tee members. The façade of the parking structure consists of precast concrete members.

1.04 SITE LOGISTICS

- A. Access to the construction Site shall be from garage entrance. Egress from the Site shall be from garage exit.
- B. Construction equipment and materials will not be staged within Authority Right-of Way
 - 1. Construction operations will be required to be staged as shown on the phasing drawings.

- c. Responsible for the Quality Assurance (QA) and Quality Control (QC) for the Project and shall be fully familiar with the Federal Transit Agency's (FTA) Quality requirements.
- d. Shall be a full time staff member of the Contractor and shall establish, implement, and maintain the Quality Management System, shall report directly to and be supervised by an Officer of the Contractor at a level above that of the Project Manager responsible for the Project, shall serve as a liaison officer with the Authority and the Jurisdictional Authorities on matters relating to the Contractor's quality system, shall be responsible for ensuring that the Quality Management System is effective in ensuring that the Contract requirements are satisfied, and shall be responsible for the oversight of onsite and offsite testing by the Contractor.

4. Safety Superintendent

- a. Shall have a degree in engineering with a minimum of 10 years experience in heavy industry construction safety practices and with a minimum of 5 years in rapid transit construction in operating conditions, and shall have active OSHA card. ~~completed OSHA Construction Safety Training and First Aid/CPR/Blood Borne Pathogens Training. Shall be a Certified Safety Professional (CSP).~~

AM2

- b. Responsible for development of a construction safety plan.

- c. Shall be a full time member of the Contractor ~~and devotes full time to worksite safety in implementing, enforcing, and maintaining the safety program for the Contractor and Subcontractor forces. The Safety Superintendent shall have no duty other than safety supervision of persons, equipment, and property affected by Contract work.~~ The Safety Superintendent shall provide safety supervision of persons, equipment, and property affected by Contract work. The Contractor shall employ and assign one Safety Superintendent for each parking garage where the construction work is ongoing. One individual can combine the positions of Safety Superintendent and First Aid Attendant and a foreman or an employee who is on-site at all times while the work is being performed.

AM2

AM2

- d. Shall have specialized training and experience in construction safety supervision and have a thorough knowledge of all OSHA regulations. The Safety Superintendent shall have the ability to develop and conduct safety-training courses. The Safety Superintendent shall be familiar with industrial hygiene equipment and testing as required for the protection of all personnel and the public

- e. In no event shall work at the Site be performed until the approved Safety Superintendent and First Aid Attendant are on duty at each parking garage where the construction activity is ongoing. WMATA's Representative in coordination with the Department of Safety and Environmental Management will determine the needed coverage for Safety Superintendent(s) and First Aid Attendant per the following category: Category II. - The Safety Superintendent may be the project foreman or an employee who is on- site at all times while work is being performed, and who has the added duty of supervising the safety of persons, equipment, and property affected by contract work.

AM2

PART 2 PRODUCTS (not used)

PART 3 EXECUTION (not used)

END OF SECTION

01111-3

CONTRACTOR KEY STAFF

- B. Cooperate with representatives of the Authority and federal, state, and local regulatory agencies during Site inspections or investigations. Inspection and investigation activities do not involve directing of Contractor's work, but may involve interviews with Contractor personnel. The Contracting Officer Representative will notify the Contractor if any operation that is not in compliance with federal, state, or local health and safety or environmental regulations or Authority policy and procedures, and that may require the Contractor to stop work on a specific task or operation.
- C. Immediately report all accidents and incidents (including near misses) that occur during the performance of the Work to the Contracting Officer Representative.
- D. The storage of hazardous and flammable materials (including such items as rags, mops, paper towels, or other combustible materials contaminated with hazardous or flammable products) on Authority property, is restricted. Contractors seeking to store hazardous or flammable materials on Authority property must obtain approval from the Authority by submitting material safety data sheet (MSDS) for each specific chemical and the quantity of each chemical to be stored on the Site. It may not always be possible to grant permission to store hazardous or flammable materials on Authority property. If permission is granted, store the materials in compliance with the jurisdictional codes and regulations. Acquire permits for use of hazardous materials as required by the jurisdictional Fire Marshal.
- E. The use of explosives for the performance of Contract work will not be permitted without written Approval from the Contracting Officer Representative. Obtain all permits and approvals from the Jurisdictional Authorities.
- F. Prior to performing any work on or above or under the right-of-way, arrangements shall be made through the Contracting Officer Representative for access rights and power outage in accordance with SOP No. 19 contained in the Metrorail Safety Rules and Procedures Handbook and OAP 200-33 (SSWP). All special requests for access, single tracking, power outages, escorts, and other Authority support shall be submitted in writing. Site Specific Work Plans shall be submitted for all Work conducted in Authority Right-of Way and any operational facility. Ensure that personnel complete safety training by Authority on the rules and procedures for working on the Right-of-Way before starting such work.
- G. Employ and assign to the construction work a Safety Superintendent as specified in Section 01111, CONTRACTOR KEY STAFF, and ~~a separate~~ certified First Aid Attendant for on-site work activities. A first aid station shall be established and fully equipped to meet the needs of the anticipated work force. The certified First Aid Attendant shall be on duty in the first aid station at all times when construction work is in progress except when on emergency calls. In no event shall work at the Site be performed until the approved Safety Superintendent and First Aid Attendant are available to the Project.
- H. If, at any time, the Work Site is without the services of an approved Safety Superintendent and First Aid Attendant for a period of 15 Days or more, the Work may be closed down at the discretion of the Contracting Officer Representative. The Safety Superintendent and First Aid Attendant shall be acceptable to the Contracting Officer Representative, and their performance will be reviewed and documented by the Contracting Officer Representative on a continuing basis. If the Safety Superintendent's

AM2

2. Quality Control Engineer Responsibilities: Submit a certified written report of each test, inspection, and similar quality control service directly to the AR, with copy to the Contractor. Reports shall be submitted within five (5) working days after the activity. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
- K. Mockups/Sample Panels: Before installing portions of the Work requiring mockups and/or sample panels, build mock ups and/or sample panels for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:
 1. Build mockups in location and of size indicated or, if not indicated, as directed by the AR
 2. Notify AR seven (7) days in advance of dates and times when mockups and/or sample panels will be constructed.
 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 4. Obtain AR's approval of mockups or sample panels before starting work, fabrication, or construction.
 5. Maintain mockups and/or sample panels during construction in an undisturbed condition as a standard for judging the completed Work.
 6. Demolish and remove mockups when directed by the AR

1.07 QUALITY CONTROL

- A. Authority Responsibilities: The AR will review the activities of the Quality Control Engineer.
- B. Contractor Responsibilities: Unless otherwise indicated, provide quality control services specified by the Contract Documents and required by authorities having jurisdiction through the Quality Control Engineer.
 1. All quality control services are to be provided through the Quality Control Engineering Firm.
 2. Notify the Quality Control Engineer and AR at least 48 hours in advance of time when Work that requires testing or inspecting will be performed.
 3. Testing and inspecting requested by Contractor and not required by the Contractor Documents and Contractor's responsibility.
 4. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.
 5. Allow the Quality Control Engineer to remove material samples as required for testing.
 6. Furnish any labor necessary to assist the Quality Control Engineer in obtaining and handling samples.
 7. ~~Provide access to the Work including scaffolding and walk boards as required for quality control sampling, testing and inspection.~~

AM2

2. Reports of the results of tests, inspections, meter readings, and similar procedures performed for temporary facilities for the Authority's information and records.
3. A plan of the on-Site plant or trailer layout for approval 14 Days prior to the start of construction. **AM2**
4. A schedule indicating implementation and termination of each temporary facility within 14 Days prior to the start of construction or other period as may be approved by the Contracting Officer Representative.

1.04 QUALITY ASSURANCE

- A. Comply with industry standards and applicable laws and regulations of Jurisdictional Authorities, including but not limited to:
 1. Building Code requirements - local and international as applicable.
 2. Health and safety regulations.
 3. Utility company regulations.
 4. Police, Fire Department and Rescue Squad rules.
 5. Environmental protection regulations.
 6. Governmental Agencies
- B. Comply with NFPA Code 241, ANSI-A10 Construction Package, and NECA Electrical Design Library. For Electrical Service, comply with NEMA, NECA, and UL standards and regulations for temporary electric service. Install service in compliance with NFPA 70. Also comply with the IBC as applicable.
- C. Arrange for the inspection and testing of each temporary facility before use and secure necessary certifications and permits. The Authority shall be kept informed of all planned inspections and onsite activities.

1.05 PROJECT CONDITIONS

- A. Incorporate into the Project Schedule dates for implementation and termination of each temporary facility. At the earliest practicable time and when acceptable to the Authority, change over from use of temporary facilities to use of the permanent facilities if applicable.
- B. Keep temporary facilities clean and neat in appearance. Temporary facilities shall be operated in a safe and efficient manner. Take the necessary fire prevention measures and do not overload facilities, or permit them to interfere with progress of the Work. Hazardous, dangerous, or unsanitary conditions and public nuisances shall not be allowed to develop or persist on the Site.

1.06 CONTRACTOR'S ON-SITE PLANT OR TRAILER

AM2

- A. All necessary construction in connection with the on-Site plant shall be done in a neat workmanlike manner to the Authority's satisfaction.
- B. Sufficient construction plant shall be provided and maintained at points where work is in progress to adequately meet demands of the Work and with ample margin for emergencies or overload. The plant shall be of sufficient capacity, in the opinion of the Authority, to permit a rate of progress, which will ensure completion of the Work within the time specified in the Contract. The Authority shall have the right to reject or condemn any plant, apparatus, or staging, which in its opinion is unsafe, improper or inadequate. The Contractor is not relieved of its responsibility for the safe, proper, lawful construction, maintenance and use of such plant, apparatus, or staging, whether the Authority exercises this authority or not. Condemned plant or equipment shall be brought to acceptable condition or shall be removed from the Site.
- C. The location of stationary equipment and the location of miscellaneous mobile equipment shall be subject to Authority Approval.

1.07 CONTRACTING OFFICER REPRESENTATIVE'S FACILITY

- A. Locate, acquire, fit out facility, and co-locate Contractor's Key Staff for management activities with the Authority. The facility shall be located on or near the work Site and remain operational throughout the Contract closeout phase, which shall extend 90 Days beyond Final Completion. The facility shall be maintained by the Contractor at its own expense. The facility can be moved once during the lifetime of the Contract to a different location. Full utility hook-ups shall be provided until the facility is decommissioned. Relocation of the facility, if required, shall be coordinated with the Contracting Officer Representative.
- B. The facility shall be complete with parking, and shall hereinafter be called field office. The field office shall be situated in or near the Work area at an approved location. The Contractor shall determine its own requirements for office space and parking; the facility as described below includes requirements specifically for the Contracting Officer Representative.
- C. The field office shall be complete as specified and ready for occupancy by the Contracting Officer Representative within [45] Days of NTP. It shall be maintained and serviced by the Contractor as hereinafter specified until completion of the construction work and throughout the closeout phase as noted in Article 1.07A above. The building shall conform to local building codes, and international building codes as applicable, and shall have the basic features specified herein, with substitute materials allowable, subject to approval. The facility shall be fully winterized.
 - 1. The Contractor shall obtain and pay all costs for hauling, building, and connecting permits. The field office shall be substantially constructed satisfactory to the Contracting Officer Representative. All materials shall be good commercial quality. The field office or trailer facility shall provide a minimum of 36 square feet of usable area to accommodate one Authority staff, with furniture, parking, and the following additional requirements:

AM2

a. Maintenance and services shall be provided by the Contractor as follows:

- (1) Repair and cleaning, twice weekly, of the field office, parking area and access road, including complete janitorial services and supplies, and snow removal.
- (2) The furnishing of all utilities except telephone.
- (3) During other than normal working hours, provide security measures and area protection equivalent to that normally used by the Contractor for its job Site shop and office facilities.

b. Upon completion of this Contract (Construction and Closeout phases), the complete facility shall become the property of the Contractor, who shall remove it and restore the Site.

1.08 SANITARY PROVISIONS

- A. The OSHA standard for sanitation, 29 CFR § 1910.141 et. seq. shall be used. Prior to starting work, the Contractor shall furnish for use of its force on the Work necessary toilet conveniences secluded from public view. They shall be kept in a clean and sanitary condition and comply with the requirements and regulations of the area in which the work is performed. Potable water shall be provided with individual cups, and sanitary conditions for the water dispenser shall be maintained. A common drinking cup or other common utensils shall not be used.

1.09 WORK AND STORAGE/LAYDOWN AREA

- A. The areas designated by the Authority as the Contractor's work and storage area will be provided to the Contractor without charge. Additional work and storage space, if required, shall be obtained by the Contractor. The Contractor's use of laydown areas other than those identified by the Authority must be approved by the Contracting Officer Representative prior to their use. The Contractor shall submit a materials storage plan as described in Section 01330, SUBMITTAL PROCEDURES, for approval 60 Days prior to the start of construction.

1.10 TEMPORARY UTILITY AND ELECTRICAL SERVICES

AM2

- A. The Contractor will be permitted the use of existing water facilities, however water facilitates will not be usable during the winter months which is typically from November through February in which case the Contractor shall supply all needed water. In an unlikely situation when WMATA water facilities are not available for use, the Contractor shall arrange their own water supply at no additional cost to WMATA. The fire line facilities shall be used only with approval before each use and inspection after use.
- B. The Contractor will be permitted the use of existing electrical facilities, providing the Contractor ensures that he does not overload circuits. Contractor shall coordinate with the facility manager the location of 120-volt service.

AM2

- C. The Contractor shall provide temporary electrical service of sufficient capacity to serve his requirements during the life of the Contract. The source of temporary power for testing may be the temporary service, portable generator or other approved system which will deliver power at the voltage and other characteristics required to accomplish testing as specified. Circuits and construction for temporary systems shall suit the needs of the work and comply with NEC and the codes and regulations of the jurisdictional authorities.
- D. Temporary services shall be furnished, installed, connected and maintained by the contractor in an approved manner. Prior to completion of the work, the Contractor shall remove all temporary services and restore affected areas as approved.

PART 2 PRODUCTS (not used)

PART 3 EXECUTION (not used)

END OF SECTION

This page intentionally blank

AM2

1.05 QUALITY ASSURANCE

- A. Welder Qualifications: Welding shall be done only by currently certified welding operators qualified according to AWS D1.1.
- B. Testing Agency: Testing and inspection shall be made as required, by an approved testing laboratory selected and paid by the Owner. Contractor shall furnish testing agency access to work, facilities and incidental labor required for testing and inspection. Such inspections and tests will not relieve the Contractor of responsibility for providing materials and fabrication procedures in compliance with specified requirements.
- C. Codes and Standards: Comply with the provisions of the following except as otherwise indicated:
 - 1. AISC "Code of Standard Practice for Steel Building and Bridges".
 - 2. AISC "Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings".
 - 3. AWS D1.1 "Structural Welding Code".
 - 4. Appropriate specifications of the American Society for Testing and Materials.
- D. The work in this section should comply with all applicable provisions of the state and local building and safety codes and any other codes referenced therein.
- E. Any material or operation specified by reference to the published specification of a manufacturer shall comply with the requirements of the latest edition of the standards listed herein. In case of conflict between the referenced specification and the project specifications, the project specifications shall govern.

1.06 QUALIFICATIONS

- ~~A. Fabricator: Company specializing in performing Work of this section shall have minimum three years documented experience with the following current AISC Certification:~~
 - ~~1. Standard Steel Building Structures (STD).~~
- ~~B. Erector: Company specializing in performing Work of this section shall have minimum three years documented experience with the following current AISC Certification:~~
 - ~~1. Certified Steel Erector (CSE).~~
- C. Shop Painter: Company specializing in performing Work of this section shall have minimum three years documented experience.
- D. Welders and Welding Procedures: AWS D.1 qualified within previous 12 months.

AM2

AM2

1.07 REFERENCE STANDARDS

- A. ICRI Guideline No. 03732 – “Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlays”, January 1997.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Subject to compliance with requirements, provide products from the following manufacturers:
1. BASF Building Systems:
889 Valley Park Drive
Shakopee, MN 55379
Customer Service: 800-433-9517
Technical Service: 800-243-6739
Direct Phone: 952-496-6000
Internet: www.BASFbuildingsystems.com
 2. Vexcon Chemicals Inc.
7240 State Road
Philadelphia, PA 19135
Customer Service: 888-839-2661
Internet: www.vexcon.com
 3. Sika Corporation.
201 Polio Ave.
Lyndhurst, NJ 07071
Customer Service: 800-933-7452
Internet: <https://usa.sika.com>
 4. Or Approved Equal
- B. Specifications and Drawings are based on manufacturer's proprietary literature from BASF Building Systems. Other manufacturers shall comply with minimum levels of material and detailing indicated in Specifications or on Drawings. AR will be sole judge of appropriateness of substitutions.

2.02 MATERIALS

- A. Clear, breathable, 100 percent alkylalkoxysilane penetrating sealer. Penetrates deeply and chemically reacts with concrete to form long-lasting water-repellent surface.
1. Acceptable Product: **Master Protect H1001** ~~Hydroze 100~~ by BASF Building Systems.
 2. Sikaguard – 705 OWR
 3. **Certi-Vex Penseal 244 OW**
 4. Or approved equal.

AM2

2. Make welds in accordance with recommendations of the manufacturer. Clean and coat with coal tar epoxy.
3. Bond pipe using bonding strap welded to each side of joint not less than six inches from joint. Allow sufficient slack in conductor for expansion of pipe.

Q. Firestopping: Section 07841.

1. Pipe penetration through fire rated partitions to be sealed with approved fireproof sealant.

3.02 PROTECTION OF PIPING AND EQUIPMENT

- A. Protect pipe, openings, valves and fixtures from dirt, foreign objects and damage during construction.
- B. Replace damaged piping, valves, fixtures and appurtenances.
- C. Prior to testing, flush piping with chemically treated water until systems are clean and free of scale, slag, dirt, oil, grease and other foreign material.
- D. Hand-clean expansion joints and strainers.
- E. Coal-Tar Epoxy Coating for Protection of Ferrous Piping: Apply as specified in Section 02535 and test as specified in Section 13115.

3.03 FIELD QUALITY CONTROL

- A. Water-Pressure Testing:
 1. Prior to burial or concealment, test affected piping in presence of the Engineer using specified procedures.
 2. Test entire piping systems and test until found leak-free in presence of and to satisfaction of the Engineer.
 3. Notify the Authority at least 36 hours in advance of making tests.
 4. Test piping at following pressures:
 - a. Soil, waste and vent piping: Requirements of local plumbing code but not less than equivalent to ten feet of water.
 - b. Chilled-water and condenser-water piping embedded or otherwise inaccessible: 400-psi minimum.
 - c. Ductile-iron pipe: 150 psi or 1-1/2 times maximum working pressure, whichever is greater, at lowest point in system.
 - d. Potable-water piping: 1-1/2 times operating pressure but not less than 100 psi at topmost outlet.
 - e. Chilled-water and condenser-water piping, exposed and accessible: 150 psi or 1-1/2 times maximum working pressure, whichever is greater, at lowest point in system.

B. Test Procedures:

1. Test storm drainage piping according to procedures of authorities having jurisdiction or, in absence of published procedures, as follows:

AM2

- a. Test for leaks and defects in new piping and parts of existing piping that have been altered, extended, or repaired. If testing is performed in segments, submit separate report for each test, complete with diagram of portion of piping tested.
 - b. Leave uncovered and unconcealed new, altered, extended, or replaced storm drainage piping until it has been tested and approved. Expose work that was covered or concealed before it was tested.
 - c. Test Procedure: Test storm drainage piping on completion of roughing-in. Close openings in piping system and fill with water to point of overflow, but not less than 10-foot head of water (30 kPa). From 15 minutes before inspection starts until completion of inspection, water level must not drop. Inspect joints for leaks.
 - d. Repair leaks and defects with new materials and retest piping, or portion thereof, until satisfactory results are obtained.
 - e. Prepare reports for tests and required corrective action.
2. Test force-main piping according to procedures of authorities having jurisdiction or, in absence of published procedures, as follows:
- a. Leave uncovered and unconcealed new, altered, extended, or replaced force-main piping until it has been tested and approved. Expose work that was covered or concealed before it was tested.
 - b. Cap and subject piping to static-water pressure of 50 psig (345 kPa) above operating pressure, without exceeding pressure rating of piping system materials. Isolate test source and allow to stand for four hours. Leaks and loss in test pressure constitute defects that must be repaired.
 - c. Repair leaks and defects with new materials and retest piping, or portion thereof, until satisfactory results are obtained.
 - d. Prepare reports for tests and required corrective action.
- 4.3. Soil, waste and vent piping:
- a. Water test to include entire system from lowest point to highest point.
 - b. After filling system, shut off water supply and allow it to stand two hours without loss or leakage.
 - c. Conduct final test by smoke test or peppermint test as prescribed by jurisdictional authority.
- 2.4. Chilled-water and condenser-water piping embedded or otherwise inaccessible:
- a. Avoid excessive pressure on safety devices and mechanical seals.
 - b. Fill entire system with water and vent air from system at least 24 hours before test pressure is applied.
 - c. Apply test pressure when water and average ambient temperatures are approximately equal and constant.
 - d. Maintain test pressure for minimum of six hours without drop after force pump has been disconnected.
 - e. Visually inspect joints while pipe is under test pressure.
- 3.5. Ductile-iron pipe and black-steel piping:
- a. Use procedure specified for chilled-water and condenser-water piping embedded or otherwise inaccessible.

AM2

4.6. Potable-water piping:

- a. Use procedure specified for chilled-water and condenser-water piping embedded or otherwise inaccessible, except tests may be conducted in sections as long as no pipes or joints are left untested.

AM2

C. Control-air piping:

1. Test main air piping at minimum of 150 psi and maintain pressure for one hour without pumping.
 - a. Test low-pressure air piping at minimum of 30 psi and maintain pressure for one hour without pumping.
 - b. Correct leaks by remaking joints.

D. Pressure Testing:

2. Refrigerant piping: Test at 300 psi on high side and 150 psi on low side.
 - c. Maintain pressure for minimum of 12 hours.
 - d. Use electronic leak detector to check leaks, after soap-bubble test.

E. Repair of Leaks:

1. Do not repair by mechanical caulking leaks in threads or welds occurring while pipeline is under test or in service.
2. Introduction into piping system of material intended to stop leakage is prohibited.
3. Repair leaks in threaded piping by breaking joint, cutting new threads on pipe and installing new pipe fitting.
4. Remove defective welds by chipping or gas gouging from one or both sides of joint.
 - a. Reweld chipped-out places.
 - b. When base metals of fillet-weld are cut back or throat of weld is less than specified, repair defect by adding additional weld metal.

3.04 DISINFECTION:

A. Adjust and Clean:

1. Flush entire hot and cold-water piping and other piping and equipment connected downstream from the domestic-water inlet main shutoff valve with water to remove sediment after completion of tests, replacements or repairs.
 - a. Use chlorine for disinfection in form of hypochlorite solution or in form of compressed gas applied through approved chlorinator.
 - b. Operate valves and equipment during chlorination to ensure that chlorine reaches entire system.
 - c. Feed water and chlorination agent into system at rate providing for 50 ppm of chlorine and allow to stand 24 hours before flushing.
 - d. Residual chlorine at end of 24-hour retention period: Two-ppm minimum.
2. Flush treated water from system completely after disinfection.
3. Continue flushing until samples show that quality of water delivered is comparable with public water supply and satisfactory to jurisdictional public-health authority.
4. Do not take samples from hydrants or through unsterilized hose.

3.05 FIELD PAINTING:

- A. Paint exposed soil and waste pipe lines in accordance with Section 09900.

END OF SECTION

APPENDIX F

MEASUREMENT OF QUANTITIES

PART 2 GENERAL

2.01 SUMMARY

- A. Related Documents, Contract Documents, this Section and other sections of the Specifications, and Drawings apply to entire Work of the Contract.

PART 3 MEASUREMENT OF QUANTITIES

3.01 LUMP SUM PAYMENT ITEMS

- A. Lump sum items quantities will not be measured for payment. Work items to be undertaken on a lump sum basis at each parking garage include but are not limited to the following:

Quality Control

- a. This work item will not be measured for payment. It will be undertaken on a lump sum basis and the bidder shall provide a lump sum price for each of the six parking structures.

Mobilization

- a. This work item will not be measured for payment. It will be undertaken on a lump sum basis and the bidder shall provide a lump sum price for each of the six parking structures.

West Falls Church Parking Garage Lump Sum items include:

- a. ~~Repair Key Note 1A as shown on Drawing K06-A-002, corrosion on door, replace in kind. Replacement of all pavement markings on all levels.~~ **AM2**
- b. ~~Repair Key Note 7B as shown on Drawing K06-A-002, replace missing sign in kind. Not used.~~ **AM2**
- c. ~~Repair Key Note 8F as shown on Drawing K06-A-002, a stained and vandalized door and frame, power wash and repaint. Not used.~~ **AM2**
- d. Cleaning and priming of existing exposed reinforcing steel in structural concrete element at underside of surfaces of structural decks.
- e. Power wash seepage areas at underside.
- f. Cleaning of drains.
- g. Removal of loose and/or detached joint backer rods.
- h. General lighting repairs and replacements.
- i. General electrical conduit, receptacle, panel board repairs.
- j. Emergency lighting system repairs and replacements.

White Flint Garage Lump Sum items include:

- a. ~~Repair Key Note 1A as shown on Drawing A014-A-002, corrosion on door, replace in kind. Replacement of all pavement markings on all levels.~~ **AM2**
- b. ~~Repair Key Note 1E as shown on Drawing A014-A-002, corrosion on pipe guard. Not used.~~ **AM2**

	c. Repair Key Note 1F as shown on Drawing A014-A-002, corrosion on handrail. <u>Not used.</u>	AM2
	d. Repair Key Note 7H as shown on Drawing A014-A-002, missing traffic delineator. <u>Not used.</u>	AM2
	e. Cleaning and priming of existing exposed reinforcing steel in structural concrete element at underside of surfaces of structural decks.	
	f. Power wash seepage areas at underside.	
	g. Cleaning of drains.	
	h. Removal of loose and/or detached joint backer rods.	
	i. General lighting repairs and replacements.	
	j. General electrical conduit, receptacle, panel board repairs.	
New Carrollton Garage Lump Sum items include:		
	a. Repair Key Note 1A as shown on Drawing D13-A-002, corrosion on door, replace in kind. <u>Replacement of all pavement markings on all levels.</u>	AM2
	b. Repair Key Note 1F as shown on Drawing D013-A-002, corrosion on handrail. <u>Not used.</u>	AM2
	c. Cleaning and priming of existing exposed reinforcing steel in structural concrete element at underside of surfaces of structural decks.	
	d. Power wash seepage areas at underside.	
	e. Cleaning of drains.	
	f. Removal of loose and/or detached joint backer rods.	
	g. General lighting repairs and replacements.	
Largo South Parking Garage Lump Sum items include:		AM2
	a. Repair Key Note 4A as shown on Drawing G05-A-002, chipped/peeled paint on bollard. <u>Replacement of all pavement markings on all levels.</u>	
	b. Repair Key Note 4G as shown on Drawing G05-A-002, chipped/peeled paint on clearance bar. <u>Not used.</u>	AM2
	c. Cleaning and priming of existing exposed reinforcing steel in structural concrete element at underside of surfaces of structural decks.	
	d. Power wash seepage areas at underside.	
	e. Cleaning of drains.	
	f. Removal of loose and/or detached joint backer rods.	
	g. General lighting repairs and replacements.	
	h. General electrical conduit, receptacle, panel board repairs.	
Largo North and Vienna Parking Garage Lump Sum items include:		
	a. Cleaning and priming of existing exposed reinforcing steel in structural concrete element at underside of surfaces of structural decks.	
	b. Power wash seepage areas at underside.	
	c. Cleaning of drains.	
	d. Removal of loose and/or detached joint backer rods.	
	e. General lighting repairs and replacements.	
	f. General electrical conduit, receptacle, panel board repairs.	
	g. Emergency lighting system repairs and replacements.	
	<u>h.</u> General electrical conduit, receptacle, panel board repairs.	
	<u>i.</u> Emergency lighting system repairs and replacements.	
	h-i. <u>Replacement of all pavement markings on all levels.</u>	AM2

3.02 UNIT PRICE PAYMENT ITEMS

- A. The exact location and quantity of work to be performed on a unit price basis has been estimated but is not fully known and will be identified as the Contract work progresses. The Quality Control Engineer or the AR will identify areas where unit price work is to be performed based on sounding and lay-out performed by the Contractor and notify the Contractor.
- B. Components of work to be undertaken for this contract will be performed on either lump sum (LS) basis or unit price basis. Elements of work to be undertaken on a lump sum basis at each parking garage are defined on both the Bid Price of the specifications and on the compilation of quantities for each garage included on the contract drawings.

Work to be performed on a unit price basis shall be measured according to the methods described below. Basis of payment for some type of details is also indicated in the plans. Payment for unit price work will be made for work actually performed based on quantities recorded by the Contractor and reviewed and verified by the Quality Control Engineer or the AR. Unless stated otherwise, records shall consist of drawings showing the areas repaired with dimensions and a cumulative record of quantities repaired.

- 1. All Garages Unit Price items include:
 - c. Typical Expansion Joint Repair, See Detail 1/S501. Repair expansion joints in accordance with Specification Section 03010 at all tooled joints as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the joints repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired joint shall be reported in linear feet (LF) to the nearest on linear foot.
 - d. Typical Sealant Repair At Tooled Joint, See Detail 2/S501. Replace sealant in tooled joints in accordance with Specification Section 07920 at all tooled joints as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the joints replaced will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired joint shall be reported in linear feet (LF) to the nearest on linear foot.
 - e. Typical Sealant Repair At Double Tee Beam Joint, See Detail 3/S502. Replace sealant in joints in accordance with Specification Section 07920 at all Double Tee Beam joints as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the joints replaced will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired joint shall be reported in linear feet (LF) to the nearest on linear foot.
 - f. Typical Double Tee Beam Flange Spall With Sealant Detail, See Detail 4/S502. Repair surfaces in accordance with Specification Section 07920 at all spalled areas as indicated in the Project Drawings and as directed by

Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest one square foot.

- g. Typical Double Tee Beam Flange Spall Repair Detail, See Detail 5/S504. Repairs spalls in accordance with Specification Section 03010 at all spalled areas as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest one square foot.
- h. Typical Vertical Joint Sealant Repair, See Detail 6/S503. Replace joints in accordance with Specification Section 07920 at all vertical joints as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the joints repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired joint shall be reported in linear feet (LF) to the nearest one linear foot.
- i. Typical Underside Crack Repair, See Detail 7/S504. Repair cracks on underside surfaces with epoxy injection in accordance with Specification Section 03010 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest one linear foot.
- j. Typical Top Side Crack Repair, See Detail 8/S504. Repair cracks on surfaces with epoxy in accordance with Specification Section 03010 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest on linear foot.
- k. Typical Vertical Crack Repair, See Detail 9/S505. Repair cracks on vertical surfaces with epoxy injection in accordance with Specification Section 03010 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest on linear foot.
- l. Typical Vertical Spall Repair, See Detail 10/S505. Repair spalls on vertical surfaces in accordance with Specification Section 03010 at all spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.
- m. Typical Concrete Top Side Spall Repair, See Detail 11 On Drawing S-506. Repair of spalls on surfaces in accordance with Specification Section 03010

at all spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.

- n. Typical Deep Spall Repair At Underside Of Concrete Deck, See Detail 12/S506. Repair of spalls on underside surfaces in accordance with Specification Section 03010 at all deep spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.
- o. Typical Shallow Spall Repair At Underside Of Concrete Deck, See Detail 13/S507. Repair spalls on underside surfaces in accordance with Specification Section 03010 at all shallow spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.
- p. Typical Repair At Horizontal Lifting Point, See Detail 14/S507. Repair to horizontal lifting points on surfaces in accordance with Specification Section 03010 at all lifting points as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired lifting point shall be reported in square feet (SF) to the nearest on one square foot.
- q. Typical Deteriorated Concrete Wash Repair, See Detail 15/S508, Repair concrete wash surfaces in accordance with Specification Section 03010 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired lifting point shall be reported in square feet (SF) to the nearest on one square foot.
- r. Typical Double Tee Web Spall Repair, See Detail 16/S508. Repair spalls on vertical web surfaces in accordance with Specification Section 03010 at all spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.
- s. Typical Connection Plate Repair, See Detail 17/S509. Repairs on surfaces in accordance with Specification Section 03010 at all connection plates as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area number of deteriorated concrete areas will be measured as each (EA) to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.

AM2

- t. Typical Double Tee Bearing Pad Replacement, See Detail 18/S510. Replacement of double tee bearing in accordance with Specification Sections 02250 and 03010 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The number of bearings replaced will be measured each and recorded on the as-built drawings. The number of each replaced bearing shall be reported each (EA).
- u. Typical Uneven Joint At Double Tee Flanges, See Detail 19/S510. Repair to remove uneven surfaces at joints in accordance with Specification Section 03010 at all spalls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of removed concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest one square foot.
- v. Typical CMU Wall Crack Repair At Double Tee, See Detail 21/S512. Repairs on surfaces with cracks in accordance with Specification Sections 04200 and 07840 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest on linear foot.
- w. Typical Traffic Topping Repair At Parapet Wall, See Detail, 22/S513. Surface preparation and application of traffic topping repair at parapet walls. Concrete preparation work shall include removal of sharp edges and uneven joints by method of grinding. The area of traffic topping repair will be measured to the nearest square feet and recorded on the as-built drawings. The area of urethane traffic bearing topping application shall be reported in square feet (SF) to the nearest one square foot. AM2
- x. Typical Traffic Topping System Repair, See Detail 23/S513. Surface preparation and application of urethane traffic bearing topping at roof level, stairwells, elevator landings, bottom of ramp, diamond shaped areas and above office rooms. Concrete preparation work shall include removal of sharp edges and uneven joints by method of grinding. The area of urethane traffic bearing topping will be measured to the nearest square feet and recorded on the as-built drawings. The area of urethane traffic bearing topping application shall be reported in square feet (SF) to the nearest one square foot. AM2
- y. Typical Traffic Bollard Repair, See Detail 24/S513. Repair typical traffic bollards as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The number of repaired bollards will be measured each (EA) and recorded on the as-built drawings. AM2
- z. Install New Plastic Cap At Vertical Lifting Point, See Detail 25/S514. Replace missing plastic caps on surfaces as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of number of each replaced cap shall be reported each (EA). AM2

- aa. Locations Marked On Plans With Ponding Area Shall Be Cleaned And Repaired With Concrete Topping To Provide Appropriate Drainage Slope, See Detail 26/S514. Repair to areas with ponding in accordance with Specification Section 03010 at all locations as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired curb shall be reported in square feet (SF) to the nearest on one square foot.
- bb. Locations Marked On Plans With Efflorescence Or Rust Staining Shall Be Cleaned And Sealed By Power Washing And Applying Epoxy Sealant To The Areas Marked, See Detail 27/S514. Repair to areas with staining in accordance with Specification Section 03010 at all locations as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of stained concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired curb shall be reported in square feet (SF) to the nearest on one square foot.
- cc. Locations Marked On Plans With Mortar/Grout Deterioration And Cracked CMU Shall Be Retooled/Regouted And Replace Cracked CMU Block, See Detail 28/S514. Repairs on surfaces with missing mortar or grout and/or cracked CMU's in accordance with Specification Section 04200 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the replacement grout/mortar and cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest on linear foot.
- dd. Locations Marked On Plans With Connection Plate Corrosion Shall Be Cleaned And Sealed By Applying Epoxy Sealant To The Areas Marked, See Detail 29/S515. Repairs on surfaces in accordance with Specification Section 03010 at all connection plates as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of corrosion will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest on one square foot.
- ee. Locations Marked On Plans With Map Cracking Or Honeycomb Shall Be Cleaned And Coated With Waterproofing, See Detail 30/S515. Repairs on surfaces in accordance with Specification Section 07190 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest on one square foot.
- ff. Locations Marked On Plans With Water Leaking On Wall Shall Be Cleaned And Any Deteriorated Joint Shall Be Repaired, See Detail 31/S515. Repairs on surfaces in accordance with Specification Section 03010 at areas of leakage as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of cleaned concrete will be measured to the nearest square feet and recorded on the as-built drawings. The area

AM2

- of each repaired lifting point shall be reported in square feet (SF) to the nearest on one square foot.
- gg. Locations Marked On Plans With Corroded/Missing Anchor Bolts Shall Be Installed With New Anchor Bolts And Painted, See Detail 32/S515. Repairs on surfaces in accordance with Specification Section 03010 at all locations of missing/corroded anchor bolts as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured each and recorded on the as-built drawings. The number of each repaired connection shall be reported each (EA).
 - hh. Replace Parking Garage Stop Curb, See Detail 33/S516. Replacement of wheel stops on surfaces in accordance with Specification Section 03010 at as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured each and recorded on the as-built drawings. The number of each repaired connection shall be reported each (EA).
 - ii. Locations Marked On Plans With Displaced Angle/Missing Anchor At Expansion Joint Support Shall Be Realigned And Installed With New Anchor And Paint, See Detail 34/S516. Repairs to anchors in accordance with Specification Sections 03010 and 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated anchors will be measured each and recorded on the as-built drawings. The number of each repaired anchor shall be reported each (EA).
 - jj. Locations Marked On Plans With Corrosion At Welding Shall Be Cleaned And Galvanize Coating To Be Provided, See Detail 35/S516. Repaired locations of corrosion with a galvanized coating as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The number of repaired locations will be measured each (EA) and recorded on the as-built drawings.
 - kk. Typical Repair At Crack Parallel To Expansion Joint, See Detail 36/S517. Repairs to cracks in accordance with Specification Section 03010 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired cracks will be measured each and recorded on the as-built drawings. The number of each repaired crack shall be reported each (EA).
 - ll. Typical Inverted Tee Spall Repair, See Detail 37/S517. Repair to spalled concrete in inverted tees in accordance with Specification Section 03010 at all locations as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired concrete will be measured to the nearest square foot and recorded on the as-built drawings. The area of each repaired spall shall be reported in square feet (SF) to the nearest on one square foot.
 - mm. Typical Stair Nosing Repair, See Detail 38/S518, Repair to deteriorated concrete stairs and nosings in accordance with Specification Section 03010 at all locations as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of repaired concrete will be measured to the nearest square foot and recorded on the as-built drawings.

AM2

The area of each repaired stair shall be reported in square feet (SF) to the nearest on one square foot.

- nn. Typical Silane Sealer Coating System, See Detail 39/S519. Coating on surfaces in accordance with Specification Section 07190 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The area of deteriorated concrete will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.
- oo. Typical Minor Longitudinal Crack At Underside Of Double Tee, See Detail 40/S519. Repairs on surfaces with epoxy in accordance with Specification Section 03010 at all cracks as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the cracks repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired crack shall be reported in linear feet (LF) to the nearest on linear foot.
- pp. Corrosion On Door 1A, See Dwg. A-002. Replace door in kind in accordance with Specification Sections 08110, 08120 and 08710. as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced doors will be measured as the number of replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- qq. Corrosion On Door Frame 1B. Replace door frame in kind in accordance with Specification Sections 08110, 08120 and 08710. as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced door frames will be measured as the number of replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- rr. [Corrosion On Door Closer, Key Note 1C, See Dwg. A-002. -Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces \(PCS\).](#)
- ss. Corrosion On Bollard 1D, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- tt. Corrosion On Pipe Guard 1E, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- uu. Corrosion On Handrail Key Note 1F, see dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in

AM2

the Project Drawings and as directed by Quality Control Engineer or the AR. The length of repaired handrail will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired handrail shall be reported in linear feet (LF) to the nearest on linear foot.

- vv. Corrosion On Guardrail 1G, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- ww. Corrosion On Fencing, Key Note 1H, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted fencing will be measured as the number of lineal feet and recorded on the as-built drawings. The number of repainted areas shall be reported as lineal feet (LF).
- xx. Corrosion On Ramp Edge Key Note 1I, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted ramp edge will be measured as the number of lineal feet and recorded on the as-built drawings. The number of repainted areas shall be reported as lineal feet (LF).
- yy. Corrosion On Sign Post 1J, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- zz. Corrosion On Storefront Mullions 1K See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted storefront mullions will be measured as the number of lineal feet reattached and recorded on the as-built drawings. The number of repainted storefront mullions shall be reported as lineal feet (LFT).
- aaa. Corrosion On Gate Booth 1L, See Dwg. A-002. Repairs on surfaces with corrosion in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted gatebooth will be measured as the number of lineal feet and recorded on the as-built drawings. The number of repainted storefront mullions shall be reported as lineal feet (LFT).
- bbb. Corrosion On Flashing 1M, See Dwg. A-002. Replace flashing in kind in accordance with Specification Section 07620. as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced flashing will be measured as the number of lineal feet replaced and recorded on the as-built drawings. The number of replaced flashing shall be reported as lineal feet (LFT).

AM2

- ccc. Misaligned Exit Gate Key Note 2A See Dwg. A-002. Realign misaligned gate as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced doors will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).
- ddd. Dislodged Signpost 2B, See Dwg. A-002. Repairs to dislodged sign posts in accordance with Specification Section 05500 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- eee. Damaged/ Misaligned Door 2C, See Dwg. A-002. Replace damaged/ misaligned doors in accordance with Specification Sections 08110, 08120 and/or 08710 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced doors will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).
- fff. Damaged/ Misaligned Door Closer 2D, See Dwg. A-002. Repair damaged/ misaligned door closers in accordance with Specification Sections 08110, 08120 and/or 08710 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired doors will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- ggg. Dislodged Wheel Stop 2E, See Dwg. A-002. Realign Dislodged Wheel stops as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired wheel stops will be measured as the number of pieces realigned and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- hhh. Impact Damage To Flashing 2F, See Dwg. A-002. Replace flashing in kind in accordance with Specification Section 07620. as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced flashing will be measured as the number of lineal feet replaced and recorded on the as-built drawings. The number of replaced flashing shall be reported as lineal feet (LFT).
- iii. Dislodged/ Misaligned Hanging Sign, Key Note 2G See Dwg. A-002. Replace sign in kind as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced signs will be measured as the number of replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- jjj. Misaligned Threshold, Key Note 2H See Dwg. A-002. Replace threshold in kind as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced thresholds will be measured as the number of replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- kkk. Detached Storefront Mullions 3A, See Dwg. A-002. Reattach detached storefront as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The reattached storefront will be measured as

- the number of lineal feet reattached and recorded on the as-built drawings. The number of reattached shall be reported as lineal feet (LFT).
- III. Damaged Chain Link Fence 3B, See Dwg. A-002 SF Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.
- mmm. Detached/Missing Tension Bar Key Note 3C See Dwg. A-002. Replace tension bar in kind in accordance with Specification Section 05500 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced tension bar will be measured as the number of replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- nnn. Detached Safety Strip 3D, See Dwg. A-002. Replace safety strip in accordance with Specification Sections 08110, 08120 and 08710. as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced Safety Strip will be measured as the number replaced as a piece and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- ooo. Chipped/ Peeled Paint On Bollard 4A, See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- ppp. Chipped/ Peeled Paint On Pipe Guard 4B, See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).
- qqq. Chipped/ Peeled Paint On Handrail 4C, See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.
- rrr. Chipped/ Peeled Paint On Guardrail 4D, See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted guardrail will be measured as the number of lineal feet and recorded on the as-built drawings. The number of repainted guardrail shall be reported as lineal feet (LFT).
- sss. Chipped/ Peeled Paint On Walls, Key Note 4F See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality

Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.

- ttt. Chipped/ Peeled Paint On Lightwall Bar 4H, See Dwg. A-002. Repair surfaces with chipped/peeled paint in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.

- uuu. ~~Faded Or Missing Pavement Stop Bar 5A, See Dwg. A-002. Repair surfaces with faded or missing pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.~~

AM2

- vvv. ~~Faded Or Double ADA Pavement Marking 5B, See Dwg. A-002. Repair surfaces with faded or missing pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The The repaired area will be measured as the number of pieces repaired and recorded on the as-built drawings. The number of repaired pieces shall be reported as pieces (PCS).~~

AM2

- www. ~~Faded Or Double Parking Stripe 5C, See Dwg. A-002. Repair surfaces with faded pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.~~

AM2

- xxx. ~~Faded No Parking Striping 5D, See Dwg. A-002. Repair surfaces with faded pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest on one square foot.~~

AM2

- yyy. Faded Or Unreadable Sign 5E, See Dwg. A-002. Replace sign in kind in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).

- zzz. ~~Faded Or Missing Pavement Arrows 5F, See Dwg. A-002. Repair surfaces with faded or missing pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted area will be measured as~~

AM2

- ~~the number of lineal feet and recorded on the as-built drawings. The number of repainted arrows shall be reported as lineal feet (LF).~~ **AM2**
- aaaa. ~~Faded Or Scratched Curb Paint 5G, See Dwg. A-002. Repair surfaces with faded or missing curb paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repainted area will be measured as the number of lineal feet and recorded on the as-built drawings. The number of repainted arrows shall be reported as lineal feet (LF).~~ **AM2**
- bbbb. ~~Faded Crosswalk 5H, See Dwg. A-002. Repair surfaces with faded pavement paint in accordance with Specification Section 09910 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest one square foot.~~ **AM2**
- cccc. Damaged Sealant 6A, See Dwg. A-002. Replace damaged sealant in joints in accordance with Specification Section 07920 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the joints repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired joint shall be reported in linear feet (LF) to the nearest linear foot.
- dddd. Detached Weather Stripping, Key Note 6B See Dwg. A-002. Reinstall detached weather stripping as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The length of the weather stripping repaired will be measured to the nearest inch and recorded on the as-built drawings. The length of each repaired weather stripping shall be reported in linear feet (LF) to the nearest linear foot.
- eeee. Missing Acoustical Ceiling Tiles, Key Note 7A See Dwg. A-002. Replace missing ceiling tiles in accordance with Specification Section 09511 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest one square foot.
- ffff. Missing Sign 7B, See Dwg. A-002. Replace sign in kind in accordance with Specification Section 09970 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).
- gggg. Missing Hardware 7C, See Dwg. A-002. Replace missing hardware in kind in accordance with Specification Section 08710 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The replaced hardware will be measured as the number of sets replaced and recorded on the as-built drawings. The number of replaced sets shall be reported as sets (SET).
- hhhh. Missing Screws/Bolts 7D, Replace missing hardware in kind in accordance with Specification Section 08710 as indicated in the Project **AM2**

AM2

Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).

- iiii. Missing Kickplate Key Note 7E See Dwg. A-002. Replace kickplate in kind as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).
- jjjj. Missing Wall Ties Key Note 7G See Dwg. A-002. Replace missing wall ties in accordance with Specification Section 09320 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest one square foot.
- kkkk. Missing Traffic Delineator 7H, See Dwg. A-002. Replace delineator in kind as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as pieces (PCS).
- llll. Stained/ Vandalized Sign, Key Note 8A See Dwg. A-002. Power wash surfaces of stained/vandalized walls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The cleaned area will be measured as the number of pieces replaced and recorded on the as-built drawings. The number of cleaned pieces shall be reported as pieces (PCS).
- mmmm. Stained/ Vandalized Wall 8B, See Dwg. A-002. Power wash surfaces of stained/vandalized walls as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The cleaned area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each cleaned area shall be reported in square feet (SF) to the nearest one square foot.
- nnnn. Stained Ceiling Tile, Key Note 8C See Dwg. A-002. Replace stained ceiling tiles in accordance with Specification Section 09511 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest one square foot.
- oooo. Stained Or Worn Out Flooring 8D, See Dwg. A-002. Replace stained or worn out flooring in accordance with Specification Section 09650 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each coated area shall be reported in square feet (SF) to the nearest one square foot.
- pppp. Stained/ Vandalized Booth 8E, See Dwg. A-002. Power wash surfaces of stained/vandalized booths as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The cleaned area will be measured as the number of pieces cleaned and recorded on the as-built

drawings. The number of pieces cleaned area shall be reported in pieces (PCS).

- qqqq. Stained/ Vandalized Door And Frame, Key Note 8F See Dwg. A-002. Power wash and repaint doors and frames in accordance with Specification Section 09900 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each repaired area shall be reported in square feet (SF) to the nearest one square foot.
- rrrr. Wasp/Bird Nest, Key Note 9A See Dwg. A-002. Remove wasp/bird nests as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The cleaned area will be measured as the number of pieces cleaned and recorded on the as-built drawings. The number of pieces cleaned area shall be reported in pieces (PCS).
- ssss. Plant Encroachment, Key Note 9B See Dwg. A-002. Remove plants as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The cleaned area will be measured to the nearest square feet and recorded on the as-built drawings. The area of each cleaned area shall be reported in square feet (SF) to the nearest one square foot.
- tttt. Drain Body Corrosion. Replace Drain Body And Associated Corroded Piping. See Specifications. See Keyed Notes on Dwg XXX-P001. Replace drain body and associated corroded piping in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each drain body and associated piping replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- uuuu. Drainage Pipe Corrosion. Replace Piping To The Extent Shown In Table On Drawings. Replace Piping And Piping Hangers With Same Type And Material As Existing. See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the lineal feet of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as lineal feet (LF).
- vvvv. Drainage Pipe Damaged. Observed Longitudinal Crack In Wall Of Piping. Replace Piping To The Extent Shown In Table On Drawings. Replace Piping Hangers With Same Type And Material As Existing. See Keyed Notes on Dwg XXX-P001 Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the lineal feet of piping replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as lineal feet (LF).

- www. Drain Grate Blocked With Debris. Debris Shall Be Removed. See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- xxxx. Drain Grate Damaged. Replace Grating. See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- yyyy. Drainage Piping Disconnected From Drain Body. Reconnect Or Replace Piping To The Extent Indicated On Table On Drawings. Replace Piping And Piping Hangers With Same Type And Material As Existing. See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- zzzz. Drainage Piping Missing Elbow. Replace Elbow With Same Type And Materials As Rest Of Piping. See Keyed Notes on Dwg XXX-P001. Replace elbows and associated fittings and hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- aaaaa. Water Leakage From Above Structure Causing PVC Piping To Be Coated With Debris. Clean Piping. See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- bbbbb. Cover Missing On Thru The Wall Air Conditioning Unit, Replace Cover in kind as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each cover replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).
- ccccc. Valve Wheel Broken, Replace, See Keyed Notes on Dwg XXX-P001. Replace corroded piping and associated hangers in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on

the as-built drawings. The number of replaced pieces shall be reported as each (EA).

ddddd. Washdown Riser Corrosion. See Keyed Notes on Dwg XXX-P001.

Replace piping, fittings and hangers to the extent included in the table on the drawings in accordance with Specification Section 15205 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. Pipe type shall match existing pipe. The repaired area will be measured as the lineal feet of piping replaced and recorded on the as-built drawings. The number of replaced piping shall be reported as lineal feet (LF).

eeeeee. Fire Protection Riser Piping Corrosion. See Keyed Notes on Dwg XXX-

P001. Replace piping to the extent indicated in table on drawings. Replace piping, fittings and hangers to the extent included in the table on the drawings in accordance with Specification Section 13905 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. Pipe type shall match existing pipe. The repaired area will be measured as the lineal feet of piping replaced and recorded on the as-built drawings. The number of replaced piping shall be reported as lineal feet (LF).

fffff. Elevator Machine Room – Ventilation Intake Damper Actuator Disengaged.

See Keyed Notes on Dwg XXX-P001. Repair or replace actuator as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).

ggggg. Elevator Machine Room – Ventilation Fan Not Running. See Keyed Notes

on Dwg XXX-P001. Fan marked with caution tape. Repair or replace damaged fan as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will be measured as the number of each piping section replaced and recorded on the as-built drawings. The number of replaced pieces shall be reported as each (EA).

hhhhh. Reference Electrical Corrective Action Drawing K08-E-509 For Scope Of

Work. Replace Piping Hangers With Same Type And Material As Existing. See Specifications. Replace corroded conduit, wiring, junction boxes and associated supports in accordance with Specification Sections 16050, 16060, 16070, 16075, 16080, 16120, 16130, 16131, 16132, 16145 and 16525 as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will not be measured separately for payment but shall be recorded on the as-built drawings. This item is paid lump sum (LS).

iiiiii. Reference Electrical Corrective Action Drawing K06-E-507 For Scope Of

Work. Replace Piping Hangers With Same Type And Material As Existing. See Specifications. Replace corroded conduit, wiring, junction boxes, call station lamp assemblies and associated supports in accordance with Specification Sections 16050, 16060, 16070, 16075, 16080, 16120, 16130, 16131, 16132, 16145 and 16525 and removal of debris and flammable materials from electrical closets as indicated in the Project Drawings and as directed by Quality Control Engineer or the AR. The repaired area will not be

measured separately for payment but shall be recorded on the as-built drawings. This item is paid lump sum (LS).

END OF SECTION