

**ADDENDUM NO. 2**

**GMIA PERIMETER ROAD BRIDGE OVER  
HOWELL AVENUE PROJECT**

**PROJECT NO. A163-11602**

**OFFICIAL NOTICE NO. 6736**

**GENERAL MITCHELL INTERNATIONAL AIRPORT  
Milwaukee County, Wisconsin**

Prepared By: MILWAUKEE COUNTY DEPARTMENT OF ADMINISTRATIVE SERVICES  
ARCHITECTURE ENGINEERING & ENVIRONMENTAL SERVICES DIVISION  
County-City Campus – Telephone 414-278-4861  
2711 West Wells Street

DATE OF ADDENDUM: July 27, 2012

BIDS CLOSE: 2:00 P.M., WEDNESDAY August 1, 2012

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TO ALL BIDDERS:

Each bidder shall read this Addendum in its entirety to determine to what extent his proposal and the contract conditions will be affected. This Addendum to the Contract Documents is issued to modify, explain, or correct the original documents and is hereby made part of the Contract Documents.

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RECEIPT – Sign the following receipt and attach to submitted Proposal Form.

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Receipt of Addendum No. 2, consisting of twenty-nine (29) pages, for **GMIA Perimeter Road Bridge Over Howell Avenue Project**, Official Notice No. 6736, at General Mitchell International Airport, Milwaukee, Wisconsin, dated August 1, 2012 is acknowledged.

Date \_\_\_\_\_ Firm \_\_\_\_\_

Per \_\_\_\_\_ Address \_\_\_\_\_

## CHANGES TO: PROJECT MANUAL

### Section 5, Bid Schedule.

1. Delete this section and replace with the attached revised Section 5 Bid Schedule (attached, 24 pages).

### Section 25, Special Provisions.

2. Delete section 1 and replace with the attached revised Scope of Work (attached, 2 pages).

## CHANGES TO: PLANS

3. Sheet G-061, Project Quantity Tables,
  - A. Delete Item 522.0348
  - B. For the BASE BID
    - i) Change item 204.0100 REMOVING PAVEMENT to 2925 SY
    - ii) Add item 204.0220 REMOVING INLETS 1 EA
    - iii) Add item 204.0281 REMOVING STORM SEWER 24-INCH 245 LF
    - iv) Add item 204.0245 ABANDONING SANITARY SEWER 10-INCH 495 LF
    - v) Add item 204.0281 ABANDONING WATER MAIN 8-INCH 537 LF
    - vi) Add item 204.0155 REMOVING CONCRETE SIDEWALK 31 SY
    - vii) Add item 310.0110 BASE AGGREGATE OPEN GRADED NO. 2, 4-INCH 649 CY
    - viii) Add item 605.0100 GEOTEXTILE FABRIC TYPE DF 1660 SY
    - ix) Add item 611.8110 ADJUSTING MANHOLE COVERS 5 EA
4. Sheet C-301, Typical Sections and C-323, Citation Way Jointing Plans and Elevations are intended to indicate that the concrete pavement for Citation Way be constructed with doweled joints per Wisconsin Department of Transportation Standard Specifications.
5. Sheet C-401, Water and Sanitary Relocation plan, The construction of Water main is governed by the standard specifications of the City of Milwaukee Water Works and the Sanitary Sewer shall be constructed in accordance with the Milwaukee Sewerage District Standard Specifications. All connections shall be made to match existing.
6. Sheet C-443, Citation Way Storm Drain Plan and Profile, change Pipe P-201 to 12-Inch RCPSS CL III
7. Sheet S-201/S-301, General Plan and Elevation
  - A. In both North side and South side elevation views, the leadered note "Bottom of Wall Panel Footing (2'-0" Min. Below Finished Grade)" is to be revised to "Bottom of Wall Panel (2'-0" Min. Below Finished Grade)". The 2'-0" minimum embedment below finished grade should be to bottom of precast wall panel; not footing.
  - B. In both North side and South side elevation views, the leadered note "Bottom of MSE Reinforced Soil (2'-6" Min. Below Finished Grade)" is to be deleted. The bottom limits of the MSE reinforced soil zone is determined in accordance with the wall panel footing detail as shown on sheet S-210/S-310.
8. Sheet S-210/S-310, Prestressed Precast Panel Details
  - A. In the wall panel footing detail, the dimension from finished grade to bottom of wall panel/top of footing is to be revised from 1'-9" to 2'-0" minimum.
  - B. The first sentence of note A05 is revised to "Minimum Dimension From Finished Grade at Front Face of Wall to Bottom of Wall Panel is Shown".
  - C. Add new note "The bottom of the wire faced wall elevation shall be constructed to provide a minimum depth of 6" of base aggregate open graded (A04) below the proposed footing without excavating below the in place wire faced wall."
  - D. Add new note "The wire faced wall will be exposed to the elements for a period of time as indicated in the bid documents. All components and construction methods for the wire faced wall shall be designed to accommodate this temporary exposure without the precast wall panels installed."

9. Sheet E-602, Gate Details,
  - A. Revise DETECTOR LOOP DETAILS to state "5 LOOPS OF #16 XHHW-2 SINGLE CONDUCTOR STRANDED WIRE IN 1" SCH. 8-0 PVC"
  - B. Revise DETECTOR LOOP NOTES No. 6 to state "USE #16 AWG XHHW-2, 2-CONDUCTOR LOOP CABLE."

Bidders are requested to quote unit prices and make extensions for each item on the following Bid Schedule, in accordance with the proposal conditions, specifications, drawings, exhibits, and standard forms listed herein and made a part hereof. Unit prices so quoted herein shall govern in all cases.

BIDDER'S ATTENTION IS SPECIFICALLY DIRECTED to the fact that the items listed herein constitute one complete bid schedule comprising a single job unit, and the price on all items listed must be quoted in order to qualify as an acceptable bid.

BID SCHEDULE - BASE BID  
GMIA - Perimeter Road Bridge Over Howell Avenue  
Perimeter Road

Project No. WA163-11602						
Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
1	MOBILIZATION  Item M-1 Unit Price per Lump Sum in Writing	1	LS			
2	8" POTABLE WATER MAIN  Item 105.001.01 Unit Price per Linear Foot in Writing	481	LF			
3	10" RCP SANITARY SEWER LINE  Item 105.001.02 Unit Price per Linear Foot in Writing	502	LF			
4	REMOVING PAVEMENT  Item 204.0100 Unit Price per Square Yard in Writing	2,925	SY			
5	REMOVING CURB AND GUTTER  Item 204.0150 Unit Price per Linear Foot in Writing	567	LF			
6	REMOVING CURB HEAD  Item 204.0130 Unit Price per Linear Foot in Writing	65	LF			
7	COMMON EXCAVATION  Item 205.0100 Unit Price per Cubic Yard in Writing	8,590	CY			
8	EXCAVATION FOR STRUCTURES BRIDGES B-40-772  Item 206.1000 Unit Price per Lump Sum in Writing	1	LS			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
9	TEMPORARY SHORING  Item 206.6000.S Unit Price per Linear Foot in Writing	765	SF			
10	BORROW  Item 208.0100 Unit Price per Cubic Yard in Writing	15,723	CY			
11	BACKFILL GRANULAR  Item 209.0100 Unit Price per Cubic Yard in Writing	8,580	CY			
12	FINISHING ROADWAY  Item 213.0100 Unit Price per Each in Writing	1	EACH			
13	OBLITERATE OLD ROAD  Item 214.0100 Unit Price per Station in Writing	6	STA			
14	BASE AGGREGATE DENSE 3/4 INCH  Item 305.0110 Unit Price per TON in Writing	547	TON			
15	BASE AGGREGATE DENSE 1 1/4 INCH  Item 305.0120 Unit Price per TON in Writing	2,241	TON			
16	CONCRETE PAVEMENT 9-INCH  Item 415.0090 Unit Price per Square Yard in Writing	604	SY			
17	CONCRETE PAVEMENT 10-INCH  Item 415.0100 Unit Price per Square Yard in Writing	1,619	SY			
18	DRILLED DOWEL BARS  Item 416.0620 Unit Price per Each in Writing	48	EA			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
19	ASPHALTIC MATERIAL PG58-28  Item 455.0105 Unit Price per Ton in Writing	99	TON			
20	CONCRETE MASONRY BRIDGES  Item 502.0100 Unit Price per Cubic Yard in Writing	110	CY			
21	BAR STEEL REINFORCEMENT HS BRIDGES  Item 505.0405 Unit Price per Pound in Writing	3,080	LB			
22	BAR STEEL REINFORCEMENT HS COATED BRIDGES  Item 505.0605 Unit Price per Pound in Writing	16,600	LB			
23	CONCRETE STAINING STRUCTURE  Item 517.1010.S Unit Price per Square Foot in Writing	1,380	SF			
24	APRON END WALLS FOR CULVERT PIPE 12-INCH DIA  Item 520.1012 Unit Price per Each in Writing	1	EACH			
25	CULVERT PIPE TEMPORARY 24-INCH DIA  Item 520.4024 Unit Price per Linear Foot in Writing	74	LF			
26	WALL WIRE FACED MECHANICALLY STABILIZED EARTH  Item 532.0700.S Unit Price per Square Foot in Writing	33,890	SF			
27	PILING STEEL HP 12-INCH X 53 LB  Item 550.1120.S Unit Price per Linear Foot in Writing	3,825	LF			
28	CONCRETE CURB & GUTTER 30-INCH, TYPE A  Item 601.0409 Unit Price per Linear Foot in Writing	1,824	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
29	CONCRETE SIDE WALK 5-INCH Item 602.0410 Unit Price per Square Foot in Writing	280	SF			
30	RIP-RAP MEDIUM Item 606.0200 Unit Price per Cubic Yard in Writing	1	CY			
31	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH Item 608.0312 Unit Price per Linear Foot in Writing	914	LF			
32	CATCH BASINS TYPE 2 Item 611.0103 Unit Price per Each in Writing	8	EACH			
33	MANHOLES TYPE 2 Item 611.0205 Unit Price per Each in Writing	4	EACH			
34	MANHOLE COVERS TYPE J-SPECIAL Item 611.0535 Unit Price per Each in Writing	2	EACH			
35	STEEL THRIE BEAM STRUCTURE APPROACH Item 614.0250 Unit Price per Linear Foot in Writing	32	LF			
36	STEEL PLATE BEAM GUARD CLASS A Item 614.0305 Unit Price per Linear Foot in Writing	100	LF			
37	CRASH CUSHIONS PERMANENT Item 614.0800 Unit Price per Each in Writing	2	EA			
38	EROSION BALES Item 628.1104 Unit Price per Each in Writing	3	EACH			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
39	SILT FENCE Item 628.1504 Unit Price per Linear Foot in Writing	2,531	LF			
40	SILT FENCE MAINTENANCE Item 628.1520 Unit Price per Linear Foot in Writing	2,531	LF			
41	MOBILIZATIONS EROSION CONTROL Item 628.1905 Unit Price per Each in Writing	1	EACH			
42	MOBILIZATIONS EMERGENCY EROSION CONTROL Item 628.1910 Unit Price per Each in Writing	1	EA			
43	EROSION MAT CLASS I TYPE B Item 628.2004 Unit Price per Square Yard in Writing	15,150	SY			
44	INLET PROTECTION TYPE A Item 628.7005 Unit Price per Each in Writing	15	EACH			
45	INLET PROTECTION TYPE B Item 628.7010 Unit Price per Each in Writing	3	EACH			
46	INLET PROTECTION TYPE C Item 628.7015 Unit Price per Each in Writing	12	EACH			
47	TEMPORARY DITCH CHECKS Item 628.7504 Unit Price per Linear Foot in Writing	15	LF			
48	TRACKING PADS Item 628.765 Unit Price per Each in Writing	1	EA			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
49	SOD LAWN Item 631.1000 Unit Price per Square Yard in Writing	20	SY			
50	MOVING FIRE SIGNAL Item 638.2103 Unit Price per Lump Sum in Writing	1	LS			
51	TRAFFIC CONTROL Item 643.0100 Unit Price per Each in Writing	1	EACH			
52	TRAFFIC CONTROL SURVEILLANCE AND MAINTENANCE Item 643.0200 Unit Price per Each in Writing	1	EACH			
53	TRAFFIC CONTROL DRUMS Item 643.0300 Unit Price per DAY in Writing	9,266	DAYS			
54	TRAFFIC CONTROL BARRICADES TYPE III Item 643.0420 Unit Price per DAY in Writing	184	DAYS			
55	TRAFFIC CONTROL WARNING LIGHTS TYPE A Item 643.0705 Unit Price per DAY in Writing	368	DAYS			
56	TRAFFIC CONTROL WARNING LIGHTS TYPE C Item 643.0715 Unit Price per DAY in Writing	3,572	DAYS			
57	TRAFFIC CONTROL ARROW BOARDS Item 643.0800 Unit Price per DAY in Writing	368	DAYS			
58	TRAFFIC CONTROL SIGNS Item 643.0900 Unit Price per DAY in Writing	2,116	DAYS			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
59	TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE Item 643.1050.S Unit Price per DAY in Writing	110	DAYS			
60	PAVEMENT MARKING EPOXY 4-INCH Item 646.0106 Unit Price per Linear Foot in Writing	4,249	LF			
61	PAVEMENT MARKING EPOXY 8-INCH Item 646.0126 Unit Price per Linear Foot in Writing	107	LF			
62	CONSTRUCTION STAKING CURB GUTTER CURB & GUTTER Item 650.5500 Unit Price per Linear Foot in Writing	179	LF			
63	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL Item 650.9910 Unit Price per Lump Sum in Writing	1	LS			
64	CONDUIT RIGID NONMETALIC SCH 40 1-INCH Item 652.0210 Unit Price per Linear Foot in Writing	21	LF			
65	CONDUIT RIGID NONMETALIC SCH 40 2 1/2-INCH Item 652.0230 Unit Price per Linear Foot in Writing	22	LF			
66	LUMINAIRES UNDERDECK 150 WATTS Item 659.0215 Unit Price per Each in Writing	2	EACH			
67	SAWING CONCRETE Item 690.0250 Unit Price per Linear Foot in Writing	225	LF			
68	DIRECTIONAL BORE 2W-2" SCH 80 Item D-555-8.1 Unit Price per Linear Foot in Writing	315	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
69	REMOVE FENCE  Item F162-5.1 Unit Price per Linear Foot in Writing	662	LF			
70	FENCE CHAIN LINK 12-FT  Item F162-5.2 Unit Price per Linear Foot in Writing	1,950	LF			
71	GATES CHAIN LINK 20-FT  Item F162-5.3 Unit Price per Each in Writing	1	EA			
72	2W-2" SCH 40 TYPE 1  Item L-110-5.1 Unit Price per Linear Foot in Writing	1,025	LF			
73	2W-4" SCH 40 PVC TYPE 1  Item L-110-5.2 Unit Price per Linear Foot in Writing	1,013	LF			
74	HANDHOLDS (SPRING ASSIST LIDS)  Item L-115-5.1 Unit Price per Each in Writing	3	EACH			
75	CORE INTO EXISTING MANHOLE  Item L-115-5.2 Unit Price per Each in Writing	1	EACH			
76	#6 COUNTERPOISE  Item L-115-5.3 Unit Price per Linear Foot in Writing	1,513	LF			
77	LOCATE AND PROTECT EXISTING  L-110-5.1206.1000 Unit Price per Lump Sum in Writing	1	LS			
78	6" STRAND SM FOC  Item L-152-5.1 Unit Price per Linear Foot in Writing	1,507	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
79	CORE INTO EXISTING HANDHOLE  Item L-115-5.2 Unit Price per Each in Writing	4	EACH			
80	25 PAIR CONTROL CABLE  Item L-153-5.1 Unit Price per Linear Foot in Writing	2,980	LF			
81	#1/0 COUNTERPOISE  Item L-153-5.2 Unit Price per Linear Foot in Writing	525	LF			
82	REMOVAL OF EXISTING (4) 25 PR CABLE  Item L-153-5.3 Unit Price per Linear Foot in Writing	475	LF			
83	EQUIPMENT RACK  L-155-5.1 Unit Price per Lump Sum in Writing	1	LS			
84	HANDHOLE (LOCKABLE)  Item L-155-5.2 Unit Price per Each in Writing	10	EACH			
85	CARD READER ISLAND  Item L-156-5.1 Unit Price per Each in Writing	2	EACH			
86	AREA LIGHTING  Item L-156-5.2 Unit Price per Each in Writing	2	EACH			
87	SECURITY CAMERA  Item L-156-5.3 Unit Price per Each in Writing	1	EACH			
88	GATE OPERATORS  L-160 Unit Price per Lump Sum in Writing	1	LS			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
89	JUNCTION BOXES 8X8X4-INCH  Item SPV.0060.01 Unit Price per Each in Writing	2	EACH			
90	JUNCTION BOXES 12X12X8-INCH  Item SPV.0060.02 Unit Price per Each in Writing	1	EACH			
91	PRECAST CONCRETE BOX CULVERT 6-FT X 6-FT  Item SPV.0090.03 Unit Price per Linear Foot in Writing	54	LF			
92	TEMPORARY CHAIN LINK FENCE, 8-FT  Item X162-5.1 Unit Price per Linear Foot in Writing	4,170	LF			
93	TEMPORARY GATE CHAIN LINK FENCE, 30-FT  X162-5.2 Unit Price per Each in Writing	3	EACH			
94	TEMPORARY FENCE - DITCH CROSSING  Item X162-5.3 Unit Price per Linear Foot in Writing	83	LF			
95	ABANDON FIRE ALARM CONDUIT  Item 204.0101 Unit Price per Linear Foot in Writing	520	LF			
96	REMOVING INLETS  Item 204.0220 Unit Price per Each in Writing	1	EA			
97	REMOVING STORM SEWER 12-INCH  Item 204.0281 Unit Price per Linear Foot in Writing	245	LF			
98	ABANDONING SANITARY SEWER 10-INCH  Item 204.0245 Unit Price per Linear Foot in Writing	495	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
99	ABANDONING WATER MAIN 8-INCH  Item 204.0282 Unit Price per Linear Foot in Writing	537	LF			
100	REMOVING CONCRETE SIDEWALK  Item 204.0155 Unit Price per Square Yard in Writing	31	SY			
101	BASE AGGREGATE OPEN GRADED NO. 2, 4-INCH  Item 310.0110 Unit Price per Cubic Yard in Writing	649	CY			
102	GEOTEXTILE FABRIC TYPE DF  Item 605.0100 Unit Price per Square Yard in Writing	1,660	SY			
103	ADJUSTING MANHOLE COVERS  Item 611.8110 Unit Price per Each in Writing	5	EA			
104	FLOWABLE FILL  Item SPV.0035.01 Unit Price per Cubic Yard in Writing	9	CY			
	BASE BID SUBTOTAL IN FIGURES					
104	MISCELLANEOUS ALLOWANCE  Unit Price per Lump Sum in Writing	1	LS			
						FIFTY THOUSAND
105	UTILITY RELOCATION ALLOWANCE  Unit Price per Lump Sum in Writing	1	LS			
						ONE HUNDRED AND SEVENTY SIX THOUSAND
	BASE BID GRAND TOTAL IN FIGURES					
	BASE BID GRAND TOTAL IN WRITING					

Bidders are requested to quote unit prices and make extensions for each item on the following Bid Schedule, in accordance with the proposal conditions, specifications, drawings, exhibits, and standard forms listed herein and made a part hereof. Unit prices so quoted herein shall govern in all cases.

BIDDER'S ATTENTION IS SPECIFICALLY DIRECTED to the fact that the items listed herein constitute one complete bid schedule comprising a single job unit, and the price on all items listed must be quoted in order to qualify as an acceptable bid.

BID SCHEDULE - ALT 1  
 GMIA - Perimeter Road Bridge Over Howell Avenue  
 Perimeter Road  
 Project No. WA163-11602

Project No. WA163-11602						
Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
1	MOBILIZATION  Item M-1 Unit Price per Lump Sum in Writing	1	LS			
2	BACKFILL STRUCTURE  Item 210.0100 Unit Price per Cubic Yard in Writing	360	CY			
3	FINISHING ROADWAY  Item 213.0100 Unit Price per Each in Writing	1	EACH			
4	CONCRETRE MASONRY BRIDGES  Item 502.0100 Unit Price per Cubic Yard in Writing	493	CY			
5	PROTECTIVE SURFACE TREATMENT  Item 502.3200 Unit Price per Square Yard in Writing	1,310	SY			
6	PRESTRESSED GIRDER TYPE I 45W-INCH  Item 503.0146 Unit Price per Linear Foot in Writing	1,894	LF			
7	BAR STEEL REINFORCEMENT HS BRIDGES  Item 505.0405 Unit Price per Pound in Writing	4,480	LB			
8	BAR STEEL REINFORCEMENT HS COATED BRIDGES  Item 505.0605 Unit Price per Pound in Writing	126,580	LB			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
9	BEARING PADS ELASTOMERIC NON-LAMINATED Item 506.2605 Unit Price per Each in Writing	32	EA			
10	STEEL DIAPHRAGMS B-40-772 Item 506.400 Unit Price per Each in Writing	28	EA			
11	RUBBERIZED MEMBRANE WATERPROOFING Item 516.0500 Unit Price per Square Yard in Writing	16	SY			
12	CONCRETE STAINING STRUCTURE Item 517.1010.S Unit Price per Square Foot in Writing	11,450	SF			
13	SLOPE PAVING CONCRETE Item 604.0400 Unit Price per Square Yard in Writing	669	SY			
14	RIP-RAP MEDIUM Item 606.0200 Unit Price per Cubic Yard in Writing	7	CY			
15	PIPE UNDERDRAIN WRAPPED 6-INCH Item 612.0406 Unit Price per Linear Foot in Writing	88	LF			
16	EROSION BALES Item 628.1104 Unit Price per Each in Writing	3	EACH			
17	SILT FENCE Item 628.1504 Unit Price per Linear Foot in Writing	2,098	LF			
18	SILT FENCE MAINTENANCE Item 628.1520 Unit Price per Linear Foot in Writing	2,098	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
19	MOBILIZATIONS EROSION CONTROL Item 628.1905 Unit Price per Each in Writing	1	EACH			
20	MOBILIZATIONS EMERGENCY EROSION CONTROL Item 628.1910 Unit Price per Each in Writing	1	EA			
21	EROSION MAT CLASS 1 TYPE B Item 628.2004 Unit Price per Square Yard in Writing	7,350	SY			
22	INLET PROTECTION TYPE A Item 628.7005 Unit Price per Each in Writing	4	EACH			
23	INLET PROTECTION TYPE C Item 628.7015 Unit Price per Each in Writing	4	EACH			
24	TRAFFIC CONTROL Item 643.0100 Unit Price per Each in Writing	1	EACH			
25	TC SURVEILLANCE AND MAINTENANCE Item 643.0200 Unit Price per Each in Writing	1	EACH			
26	TRAFFIC CONTROL DRUMS Item 643.0300 Unit Price per DAY in Writing	2,734	DAYS			
27	TRAFFIC CONTROL BARRICADES TYPE III Item 643.0420 Unit Price per DAY in Writing	65	DAYS			
28	TRAFFIC CONTROL WARNING LIGHTS TYPE A Item 643.0705 Unit Price per DAY in Writing	131	DAYS			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
29	TRAFFIC CONTROL WARNING LIGHTS TYPE C  Item 643.0715 Unit Price per DAY in Writing	773	DAYS			
30	TRAFFIC CONTROL ARROW BOARDS  Item 643.0800 Unit Price per DAY in Writing	81	DAYS			
31	TRAFFIC CONTROL SIGNS  Item 643.0900 Unit Price per DAY in Writing	586	DAYS			
32	TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE Item 643.1050.S Unit Price per DAY in Writing	60	DAYS			
33	PAVEMENT MARKING EPOXY 4-INCH  Item 646.0106 Unit Price per Linear Foot in Writing	2,956	LF			
34	FLOWABLE FILL  Item SPV.0035.01 Unit Price per Cubic Yard in Writing	7	CY			
	ALT 1 BID GRAND TOTAL IN FIGURES					
	ALT 1 BID GRAND TOTAL IN WRITING					

Bidders are requested to quote unit prices and make extensions for each item on the following Bid Schedule, in accordance with the proposal conditions, specifications, drawings, exhibits, and standard forms listed herein and made a part hereof. Unit prices so quoted herein shall govern in all cases.

BIDDER'S ATTENTION IS SPECIFICALLY DIRECTED to the fact that the items listed herein constitute one complete bid schedule comprising a single job unit, and the price on all items listed must be quoted in order to qualify as an acceptable bid.

BID SCHEDULE - ALT-2  
 GMIA - Tugway and Runway Bridge Improvements Over Howell Avenue  
 Tugway Bridge  
 Project No. WA5051-11603

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
1	MOBILIZATION	1	LS			
	Item M-1 Unit Price per Lump Sum in Writing					
2	FINISHING ROADWAY	1	EACH			
	Item 213.0100 Unit Price per Each in Writing					
3	CONCRETE SURFACE REPAIR	115	S.F.			
	Item 509.1500 (See DOT Specification) Unit Price per Square Foot in Writing					
4	MOBILIZATIONS EMERGENCY EROSION CONTROL	1	EA			
	Item 628.1910 Unit Price per Each in Writing					
5	EPOXY CRACK SEALING	850	L.F.			
	Item SPV.0090.01 (See Project Specification) Unit Price per Linear Foot in Writing					
6	VENT TUNNEL EXPANSION JOINT REPAIR	222	L.F.			
	Item SPV.0090.02 Unit Price per Linear Foot in Writing					

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
7	TRAFFIC CONTROL DRUMS Item 643.0300 Unit Price per DAY in Writing	1,511	DAYS			
8	TRAFFIC CONTROL BARRICADES TYPE III Item 643.0420 Unit Price per DAY in Writing	31	DAYS			
9	TRAFFIC CONTROL WARNING LIGHTS TYPE C Item 643.0715 Unit Price per DAY in Writing	577	DAYS			
10	TRAFFIC CONTROL WARNING LIGHTS TYPE A Item 643.0705 Unit Price per DAY in Writing	62	DAYS			
11	TRAFFIC CONTROL SIGNS Item 643.0900 Unit Price per DAY in Writing	309	DAYS			
12	TRAFFIC CONTROL ARROW BOARDS Item 643.0800 Unit Price per DAY in Writing	60	DAYS			
13	CONCRETE STAINING Item SPV.0165.01 Unit Price per Square Foot in Writing	2,535	S.F.			
14	TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE Item 643.1050.S Unit Price per DAY in Writing	15	DAYS			
15	PAVEMENT MARKING EPOXY 4-INCH Item 646.0106 Unit Price per Linear Foot in Writing	960	LF			
16	TRAFFIC CONTROL Item 643.0100 Unit Price per Each in Writing	1	EACH			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
17	TC SURVEILLANCE AND MAINTENANCE  Item 643.0200 Unit Price per Each in Writing _____	1	EACH			
	ALT 2 BID GRAND TOTAL IN FIGURES _____					
	ALT 2 BID GRAND TOTAL IN WRITING _____					

Bidders are requested to quote unit prices and make extensions for each item on the following Bid Schedule, in accordance with the proposal conditions, specifications, drawings, exhibits, and standard forms listed herein and made a part hereof. Unit prices so quoted herein shall govern in all cases.

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BID SCHEDULE - ALT 3  
 GMIA - Perimeter Road Bridge Over Howell Avenue  
 Perimeter Road

Project No. WA163-11602						
Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
1	MOBILIZATION  Item M-1 Unit Price per Lump Sum in Writing	1	LS			
2	COMMON EXCAVATION  Item 205.0100 Unit Price per Cubic Yard in Writing	1,600	CY			
3	FINISHING ROADWAY  Item 213.0100 Unit Price per Each in Writing	1	EACH			
4	BASE AGGREGATE DENSE 3/4 INCH  Item 305.0110 Unit Price per TON in Writing	416	TON			
5	BASE AGGREGATE DENSE 1 1/4 INCH  Item 305.0120 Unit Price per TON in Writing	4,427	TON			
6	CONCRETE PAVEMENT 9-INCH  Item 415.0090 Unit Price per Square Yard in Writing	6,927	SY			
7	DRILLED DOWEL BARS  Item 416.0620 Unit Price per Each in Writing	48	EA			
8	ASPHALTIC MATERIAL PG58-28  Item 455.0105 Unit Price per Ton in Writing	49	TON			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
9	PROTECTIVE SURFACE TREATMENT Item 502.3200 Unit Price per Square Yard in Writing	1,293	SY			
10	CONCRETE MASONRY RETAINING WALLS Item 504.0500 Unit Price per Cubic Yard in Writing	940	CY			
11	BAR STEEL REINFORCEMENT HS COATED RETAINING WALL Item 505.0615 Unit Price per Pound in Writing	146,730	LB			
12	RUBBERIZED MEMBRANE WATERPROOFING Item 516.0500 Unit Price per Square Yard in Writing	72	SY			
13	CONCRETE STAINING STRUCTURE Item 517.1010.S Unit Price per Square Foot in Writing	38,000	SF			
14	APRON END WALLS FOR CULVERT PIPE 12-INCH DIA Item 520.1012 Unit Price per Each in Writing	3	EACH			
15	APRON END WALLS FOR CULVERT PIPE 24-INCH DIA Item 520.1024 Unit Price per Each in Writing	2	EACH			
16	RIP-RAP MEDIUM Item 606.0200 Unit Price per Cubic Yard in Writing	22	CY			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
17	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH Item 608.0312 Unit Price per Linear Foot in Writing	1,433	LF			
18	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH Item 608.0324 Unit Price per Linear Foot in Writing	74	LF			
19	CATCH BASIN TYPE 2 Item 611.0103 Unit Price per Each in Writing	12	EACH			
20	MANHOLES TYPE 2 Item 611.0205 Unit Price per Each in Writing	7	EACH			
21	MANHOLE COVERS TYPE J-SPECIAL Item 611.0535 Unit Price per Each in Writing	7	EACH			
22	INLET COVERS TYPE V Item 611.0654 Unit Price per Each in Writing	12	EACH			
23	PIPE UNDERDRAIN WRAPPED 6-INCH Item 612.0406 Unit Price per Linear Foot in Writing	2,000	LF			
24	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD Item 614.0150 Unit Price per Each in Writing	4	EACH			
25	STEEL THRIE BEAM STRUCTURE APPROACH Item 614.0250 Unit Price per Linear Foot in Writing	13	LF			
26	STEEL PLATE BEAM GUARD CLASS A Item 614.0305 Unit Price per Linear Foot in Writing	14	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
27	SALVAGED TOPSOIL Item 625.0500 Unit Price per Square Yard in Writing	22,500	SY			
28	MULCHING Item 627.0200 Unit Price per Square Yard in Writing	2,490	SY			
29	FERTILIZER TYPE B Item 629.0210 Unit Price per CWT in Writing	1.78	CWT			
30	SEEDING MIXTURE NO. 30 Item 630.0130 Unit Price per LB in Writing	406	LB			
31	SEEDING MIXTURE NO. 80 Item 630.0180 Unit Price per LB in Writing	2	LB			
32	SOD LAWN Item 631.1000 Unit Price per Square Yard in Writing	2,480	SY			
33	POSTS WOOD 4x6-INCH X 14-FT Item 634.0614 Unit Price per Each in Writing	18	EACH			
34	SIGNS REFLECTIVE TYPE II Item 637.0202 Unit Price per Square Feet in Writing	91	SF			
35	MOVING SIGNS TYPE II Item 638.2102 Unit Price per Each in Writing	11	EACH			
36	REMOVING SMALL SIGN SUPPORTS Item 638.3000 Unit Price per Each in Writing	11	EACH			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
37	TRAFFIC CONTROL Item 643.0100 Unit Price per Each in Writing	1	EACH			
38	GEOTEXTILE FABRIC TYPE HR Item 645.0120 Unit Price per Square Yard in Writing	45	SY			
39	PAVEMENT MARKING ARROWS EPOXY TYPE 2 Item 647.0166 Unit Price per Each in Writing	1	EACH			
40	PAVEMENT MARKING WORDS EPOXY Item 647.0356 Unit Price per Each in Writing	1	EACH			
41	PAVEMENT MARKING STOP LINE EPOXY 18-INCH Item 647.0566 Unit Price per Linear Foot in Writing	36	LF			
42	PAVEMENT MARKINGS ISLAND NOSE EPOXY Item 647.0606 Unit Price per Each in Writing	1	EACH			
43	CONSTRUCTION STAKING STORM SEWER SYSTEM Item 650.4000 Unit Price per Each in Writing	2	EACH			
44	CONSTRUCTION STAKING SUBGRADE Item 650.4500 Unit Price per Linear Foot in Writing	1,739	LF			
45	CONSTRUCTION STAKING BASE Item 650.5000 Unit Price per Linear Foot in Writing	1,739	LF			
46	CONSTRUCTION STAKING CURB GUTTER CURB & GUTTER Item 650.5500 Unit Price per Linear Foot in Writing	71	LF			

Item No.	Item	Estimated Quantity	Unit	Unit Price	Amount	
					Dollars	Cents
47	CONSTRUCTION STAKING CONCRETE PAVEMENT  Item 650.7000 Unit Price per Linear Foot in Writing	1,739	LF			
48	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL  Item 650.9910 Unit Price per Lump Sum in Writing	1	LS			
49	CONSTRUCTION STAKING SLOPE STAKES  Item 650.9920 Unit Price per Linear Foot in Writing	1,739	LF			
50	GRASS SWALE  Item SPV.0035 Unit Price per Cubic Yard in Writing	180	CY			
51	PRESTRESSED PRECAST CONCRETE WALL PANEL  Item SPV.0165.02 Unit Price per Square Foot in Writing	33,890	SF			
	ALT 3 BID GRAND TOTAL IN FIGURES					
	ALT 3 BID GRAND TOTAL IN WRITING					

## SPECIAL PROVISIONS

### GMIA Perimeter Road Bridge Over Howell Avenue

#### 1. Scope of Work

Perform the work under this construction contract for Project A163-11602 General Mitchell International Airport GMIA Perimeter Road Bridge over Howell Avenue Project in Milwaukee County, Wisconsin as the plans show and execute the work as specified.

The work under this contract will consist of constructing a 240 foot long, two-span pre-stressed concrete girder bridge over Howell Avenue with perimeter roadway segments on either side. Roadway approaches to the bridge will be retained within mechanically stabilized earth (MSE) retaining walls; approximately 1,100 feet of MSE retaining walls for the east approach to the bridge, approximately 750 feet of MSE retaining wall for the west approach to the bridge. This project is located in close proximity to Runway 7R-25L, a primary runway at General Mitchell International Airport. Runway 7R-25L must be kept operational to the maximum extent practicable and the project includes considerations for security, height of construction, coordination of daily closures of the runway and other affected airport facilities.

The perimeter road segments leading to the bridge structure will connect to an existing airfield service road west of Howell Avenue, and will connect into Citation Way east of Howell Avenue. The project includes reconstruction and realignment of a portion of Citation Way to accommodate the perimeter road alignment, as well as reconstruction of a portion of Howell Avenue to accommodate the new intersection with Citation Way. The project includes construction staging and traffic control to maintain traffic on Howell Avenue and Citation Way during construction of the perimeter road and structures. The perimeter road has a clear width of 42 feet over the bridge and within the retaining walls. The total length of the project is approximately 2,000 feet as measured along the perimeter road.

A number of both public and private utility relocations are included within the project's limits and will need to be coordinated with the overall phasing of construction. Additionally, the Federal Aviation Administration (FAA) has a number of underground lines and facilities that will likewise need to be relocated or otherwise protected during construction. The project includes construction of new security fencing and a controlled security gate, storm sewer, and excavation within the existing Mitchell Field Drainage Ditch. The work under this contract also includes repairs to the existing Howell Avenue tunnel structure under Runway 7R-25L on Howell Avenue. This work is the completion of work that was not completed under a previous contract.

This project will be a working day contract, separated into a base bid and three alternates, with a number of working days assigned to each. Alternates will be awarded according to funding availability (see Section 3, Project Phasing and Alternatives section for more detail). The total number of working days will be commensurate with the number of alternates that funding allows, and will vary depending on the alternates awarded. If funding and phasing allows, Alternate 1, 2 and 3 work can be constructed concurrently with the Base Bid work.

#### **Base Bid – (110 Working Days):**

The work under the Base Bid generally consists of the following:

- Demolition and reconstruction of Citation Way to the north
- Reconfiguration of the Howell Ave. median and east shoulder to accommodate the proposed structure central pier and the new location of Citation Way
- Construction of foundation and central pier of the proposed overcrossing structure
- Excavation of unsuitable material for Perimeter Road
- Drive the piles for the east and west abutments
- Construction of the east and west Mechanically Stabilized Earth Wall and fill except fascia panels
- Construction culvert through the west MSE wall
- Construct Temporary Construction Access Road from Howell Ave.
- Utility Relocations

## **SPECIAL PROVISIONS**

### **GMIA Perimeter Road Bridge Over Howell Avenue**

- Modification of the existing east security fence and the addition of a new gate at the intersection of the Perimeter Rd. and Citation Way

#### **Alternate No. 1 – (60 Working Days):**

The work under Alternate 1 generally consists of the following:

- Construction of the east and west abutments for the proposed Overcrossing structure
- This alternate includes the superstructure for the proposed overcrossing structure.

#### **Alternate No. 2 – (21 Working Days):**

The work under Alternate 2 generally consists of the following:

- This alternate includes repairs to the existing Runway 7R-25L tunnel structure located on Howell Avenue

#### **Alternate No. 3 – (60 Working Days):**

The work under this Alternate generally consists of the following:

- Modification of the existing west security fence
- Construction of the east and west Mechanically Stabilized Earth Wall fascia Panels (NOTE: This task cannot be started until a minimum of 12 months settlement period has elapsed from the construction completion of the Mechanically Stabilized Earth Wall and fill.)
- Construction of the GMIA Perimeter Road and associated drainage structures
- Construction of the two gravel access roads to the existing airport shelter facilities
- Remove Temporary Construction Access Road

See Section 7 (Liquidated Damages) for penalties associated with working day overruns for each segment of work.