

ADDENDUM NO. 1

GMIA – SECURITY & WILDLIFE DETERRENT PERIMETER FENCING – 2011 PROJECT NO. A125-1004

OFFICIAL NOTICE NO. 6626

GENERAL MITCHELL INTERNATIONAL AIRPORT
Milwaukee County, Wisconsin

Prepared By: MILWAUKEE COUNTY DEPARTMENT OF TRANSPORTATION
& PUBLIC WORKS. ARCHITECTURE, ENGINEERING, AND
ENVIRONMENTAL SERVICES, AIRPORT ENGINEERING SECTION.
5300 SOUTH HOWELL AVENUE
MILWAUKEE, WI 53207
Telephone 414-747-5774

DATE OF ADDENDUM: MARCH 29, 2011

BIDS CLOSE: 2:00 P.M., WEDNESDAY APRIL 6, 2011

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.

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

Receipt of Addendum No. 1, consisting of twenty-seven (27) pages, for **GMIA – SECURITY & WILDLIFE DETERRENT PERIMETER FENCING - 2011**, Official Notice No. 6623, at General Mitchell International Airport, Milwaukee, Wisconsin, dated March 29, 2011, is acknowledged.

Date _____ Firm _____
Per _____ Address _____

CHANGES

SPECIFICATIONS

Add Section DBD-002 Form attached (Page 1 of 1).

Add Section DBD-014 Form attached (Page 1 of 1).

Add Section 026 Pollution (Page 1 through 8).

Add Section 027 Safety & Security Specifications. (Page 1 through 7)

08 Base Bid Schedule Page 1 of 2

Revise pay item 5 to read as 20' wide swing gate. Pay item 5 becomes pay item 6 of Revised Base Bid Schedule. See Revised Base Bid Schedule attached.

08 Base Bid Schedule Page 1 of 2

Insert new pay between existing pay items #6 & #7. See attached Revised Base Bid Schedule.

| | | |
|---|--|--------|
| 5 | New 4' High Chain Link Fence w/Posts (Layton Ave. Observation Deck) Section F-162-5.8 Unit Price per Linear Foot in Writing | 425 LF |
|---|--|--------|

08 Base Bid Schedule Page 2 of 2

Insert new pay between existing pay items #7 & #9. See attached Revised Base Bid Schedule.

| | | |
|---|---|--------|
| 8 | Double Leaf Aluminum Cantilever Slide Gate (10' high w/2' barb wire arms @ Gate 7B) Section F-162-5.6 Unit Price per Each in Writing | 1 EACH |
|---|---|--------|

08 Base Bid Schedule Page 2 of 2

Insert new pay item #9. See attached Revised Base Bid Schedule.

| | | |
|---|---|--------|
| 9 | 4' High Slide Gate (Layton Ave. Observation Deck) Section F-162-5.7 Unit Price per Each in Writing | 2 EACH |
|---|---|--------|

08 Base Bid Schedule Page 2 of 2

Insert new pay item #10. See attached Revised Base Bid Schedule.

| | | |
|----|--|--------|
| 10 | Chain Link Fence(10' High 2' Buried) (Saw-Cut/Remove/Patch Asphalt) Section F-162-5.9 Unit Price per Linear Foot in Writing | 100 LF |
|----|--|--------|

PLANS

Sheet 3 of 6, Sheet 4 of 6, & Sheet 5 of 6. Fencing Site Plans. Revise General Note 5.

Revise first sentence to read as, "Contractor may perform daily removal and replacement of perimeter fencing in maximum lengths of 100'."

Sheet 3 of 6, Sheet 4 of 6, & Sheet 5 of 6 Fencing Site Plans.

Add note 7 to read as, "Contractor shall remove all signage from existing fencing and re-install on new perimeter fence line. See signage schedule below."

| <u>No.:</u> | <u>Sign Type:</u> |
|-------------|------------------------------------|
| 22 | 2'X2' Metal No Tress Passing Signs |
| 26 | 1'X2' Metal No Parking Signs |
| 1 | 3'X2' Metal FAA ATC Sign |
| 1 | 3'X3' Metal Restricted Area Sign |
| 1 | 5'X5' Wood Freight Runners Sign |

Gate 8A Signs:

| <u>No.:</u> | <u>Sign Type:</u> |
|-------------|------------------------------------|
| 1 | 3'X3' Metal Restricted Area Sign |
| 1 | 4'X3'Metal No Parking Fire lane |
| 1 | 2'X2' Metal No Tress Passing Signs |
| 1 | 1'X2' Metal No Parking Signs |
| 1 | 1'X2' Metal Gate 8A Sign |
| 1 | 4'X3' Metal SIDA Sign |

Gate 8D Signs:

| <u>No.:</u> | <u>Sign Type:</u> |
|-------------|----------------------------------|
| 1 | 3'X3' Attention Area Sign |
| 1 | 1'X2' Metal Gate 8D Sign |
| 1 | 3'X3' Metal Restricted Area Sign |

Gate 7A Signs:

| <u>No.:</u> | <u>Sign Type:</u> |
|-------------|------------------------------------|
| 1 | 4'X3' Metal SIDA Sign |
| 1 | 2'X2' Metal No Tress Passing Signs |
| 1 | 3'X3' Metal Restricted Area Sign |

Gate 7B Signs:

| <u>No.:</u> | <u>Sign Type:</u> |
|--------------------|----------------------------------|
| 2 | Octagon Highway Metal Stop Signs |
| 1 | 3'X3' Metal Gate Problem Sign |
| 1 | 3'X3' Wood Freight Runners Sign |
| 1 | 3'X3' Metal Restricted Area Sign |
| 1 | 1'X2' Metal Gate 7B Sign |
| 1 | 4'X3' Metal SIDA Sign |
| 2 | 1'X1' Danger Signs |
| 2 | 1'X1' Warning Signs |

Gate 7C Signs:

| | |
|---|----------------------------------|
| 1 | 2'X2' Metal No Trespassing Signs |
| 1 | 1'X2' Metal Gate 7C Sign |
| 1 | 3'X3' Metal Restricted Area Sign |
| 1 | 4'X3' Metal SIDA Sign |

Observation Deck:

| | |
|---|-------------------------------------|
| 6 | 1'X2' Metal No Parking Signs |
| 5 | 2'X2' Metal No Trespassing Signs |
| 3 | 18"X18" Metal No Bird Feeding Signs |
| 4 | 2'X2' Metal Tune to 88.5 Signs |

Sheet 3 of 6 Fencing Site Plan.

Delete note, "Extend fencing, posts, & fabric at gate 7B to match new 10' high fence w/2' high barbed wire arms." Add note, "Remove existing double leaf steel cantilever gate and replace with new double leaf aluminum cantilever slide gate 10' high, with 2' barbed wire arms at gate 7B."

Sheet 3 of 6, Sheet 4 of 6, & Sheet 5 of 6. Fencing Site Plans. General Notes.

Add general note 8. Contractor may option to offset all new fencing inside the existing fence line given that all existing utilities accommodate such an installation. Contractor may install all new fencing prior to removal of existing perimeter fence line.

(PLANS CONTINUED)

Sheet 4 of 6 Fencing Site Plan.

Contractor shall remove and re-install colored slating within gate 8A.

Sheet 4 of 6 Fencing Site Plan.

Contractor shall re-use existing gate 8A concrete gate sill and gate posts. New fence line shall tie into existing gate 8A gate posts.

Sheet 5 of 6 Fencing Site Plan.

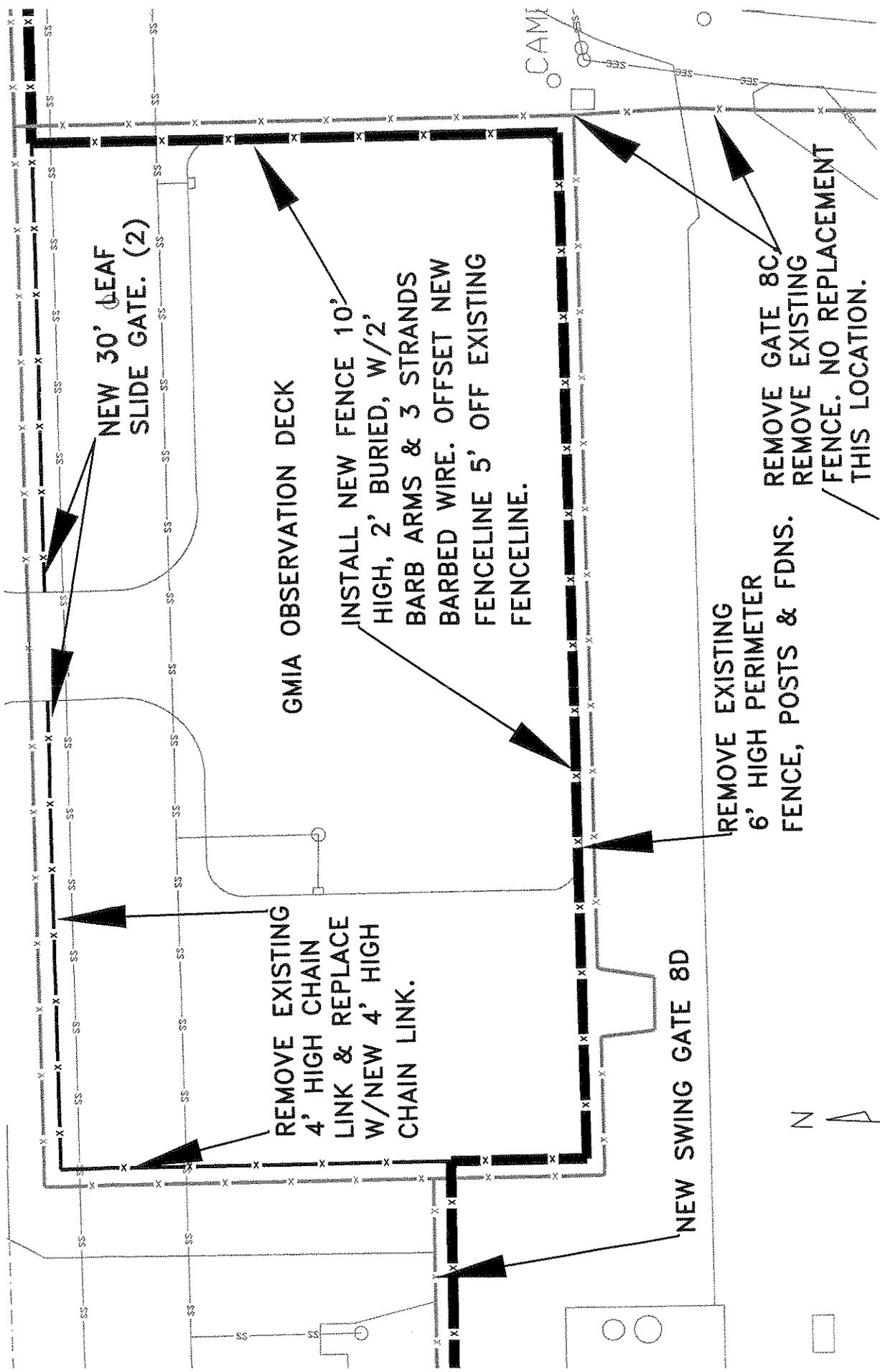
GMIA electrical maintenance department shall make all electrical disconnections associated with gate 8C. Fencing contractor shall remove and dispose of all gate equipment and gate controller equipment.

Sheet 5 of 6 Fencing Site Plan.

See attached revised drawing to observation deck area Layton Avenue.

Sheet 6 of 6 Fencing Site Plan.

Add aluminum cantilever slide gate detail.



**NEW 30' LEAF
SLIDE GATE. (2)**

**REMOVE EXISTING
4' HIGH CHAIN
LINK & REPLACE
W/NEW 4' HIGH
CHAIN LINK.**

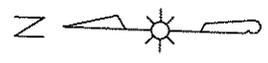
GMIA OBSERVATION DECK

**INSTALL NEW FENCE 10'
HIGH, 2' BURIED, W/2'
BARB ARMS & 3 STRANDS
BARBED WIRE. OFFSET NEW
FENCELINE 5' OFF EXISTING
FENCELINE.**

**REMOVE EXISTING
6' HIGH PERIMETER
FENCE, POSTS & FDNS.**

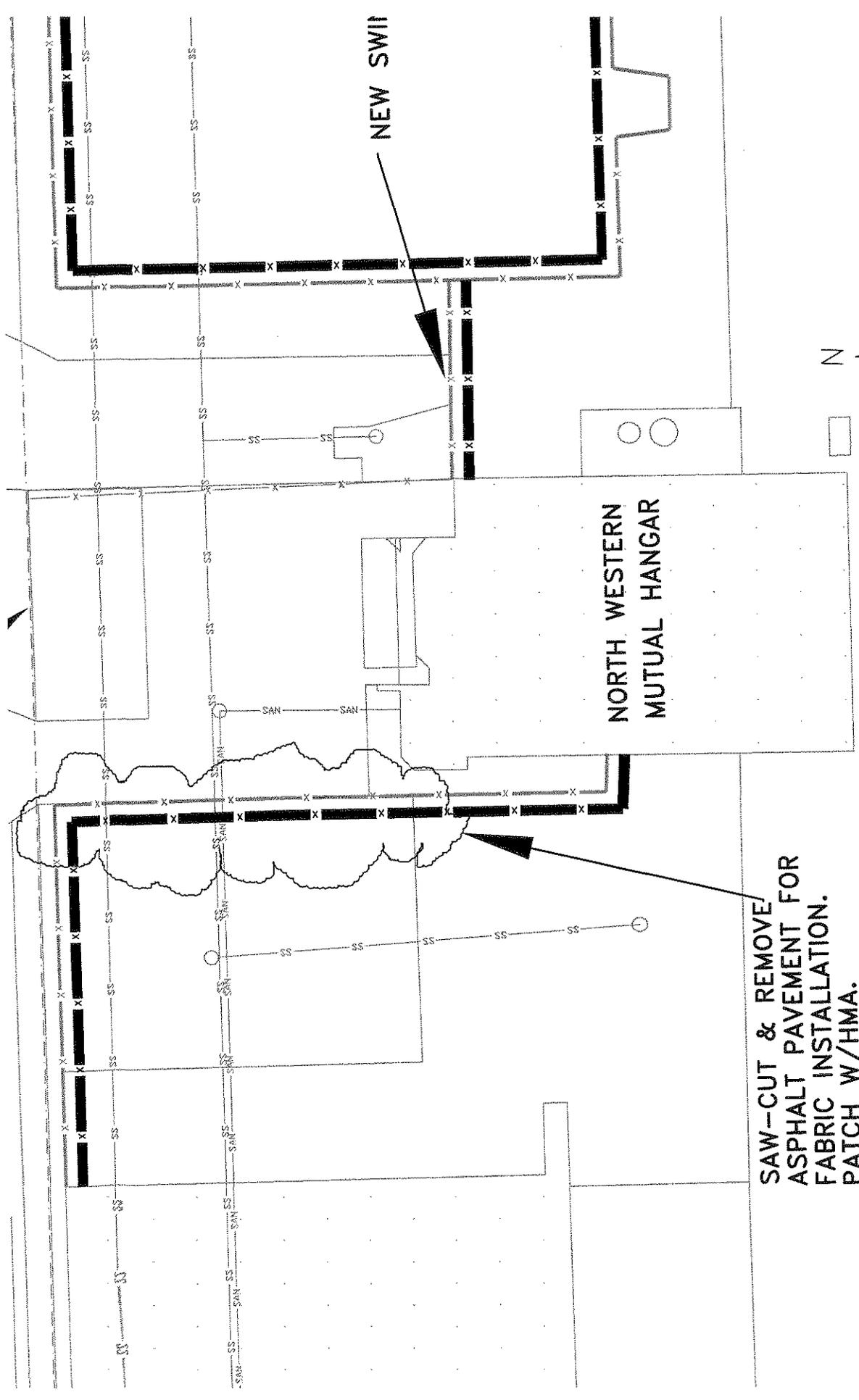
**REMOVE GATE 8C.
REMOVE EXISTING
FENCE. NO REPLACEMENT
/ THIS LOCATION.**

NEW SWING GATE 8D



SCALE: 1"=40'

| | | | |
|--|------------|--------------|--|
| MILWAUKEE COUNTY DEPT. OF PUBLIC WORKS ARCHITECTURE AND ENGINEERING GENERAL MITCHELL INTERNATIONAL AIRPORT | | | |
| ADDENDUM #1 | | | |
| APVD. BY: | CHKD. BY: | FILE NO. | |
| DESIGN BY: P.JM | DATE: 3/11 | SHEET 1 OF 1 | |

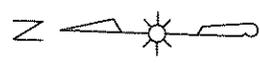


**NORTH WESTERN
MUTUAL HANGAR**

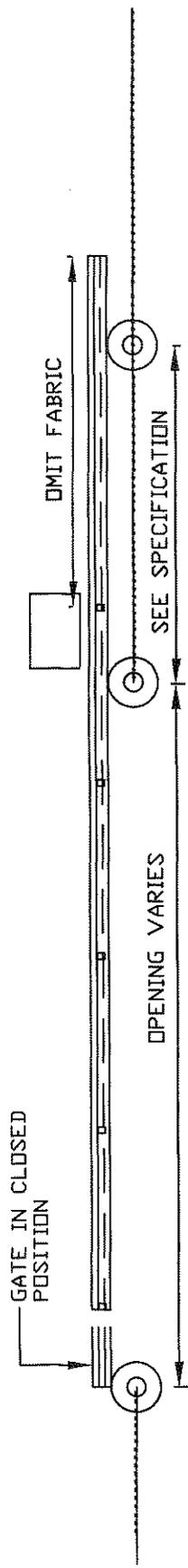
NEW SWIF

**SAW-CUT & REMOVE
ASPHALT PAVEMENT FOR
FABRIC INSTALLATION.
PATCH W/HMA.**

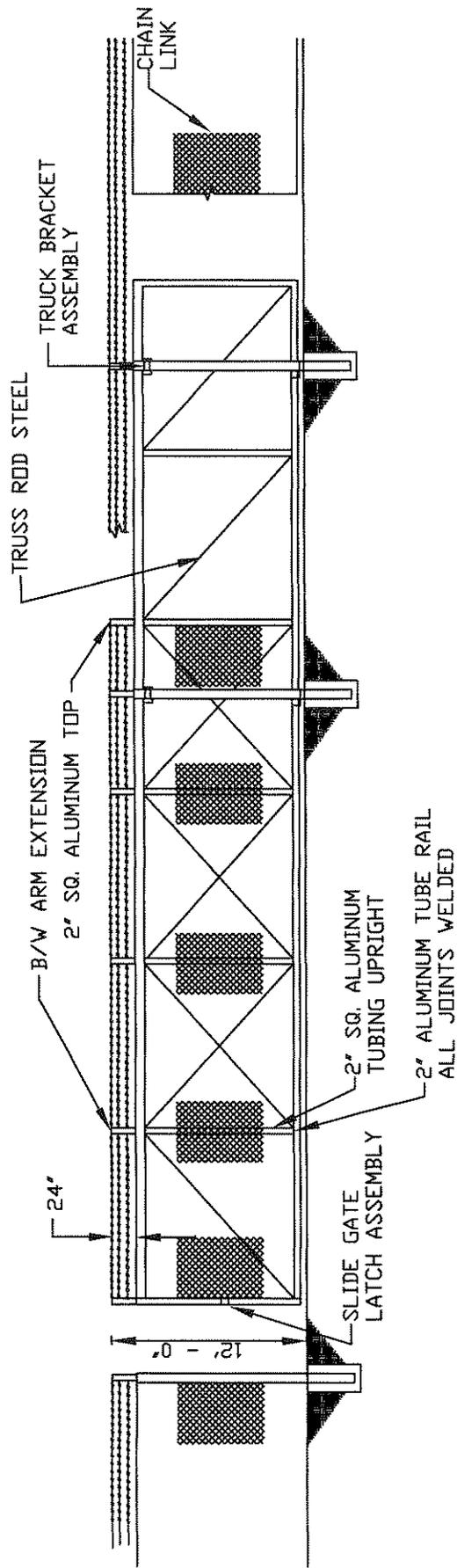
SCALE: 1" = 40'



| | | | |
|--|------------|----------|--------------|
| MILWAUKEE COUNTY DEPT. OF PUBLIC WORKS ARCHITECTURE AND ENGINEERING GENERAL MITCHELL INTERNATIONAL AIRPORT | | | |
| ADDENDUM #1 | | | |
| APVD. BY: | CHKD. BY: | FILE NO. | |
| DESIGN BY: P. JM | DATE: 3/11 | | SHEET 1 OF 1 |



PLAN



ELEVATION

CANTILEVER SLIDE GATE DETAILS

SCALE: 1"=NTS

MILWAUKEE COUNTY DEPT. OF PUBLIC WORKS
ARCHITECTURE AND ENGINEERING
GENERAL MITCHELL INTERNATIONAL AIRPORT

ALUMINUM CANTILEVER GATE ©7B

| | | |
|-------------------|------------|--------------|
| APVD. BY: P.J.M. | CHKD. BY: | FILE NO. |
| DESIGN BY: P.J.M. | DATE: 3/11 | SHEET 1 OF 1 |

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 - Security & Wildlife Deterrent Perimeter Fencing - 2011
 Project No. A125-1004

| Item No. | Item | Estimated Quantity | Unit | Unit Price | Amount | |
|----------|--|--------------------|------|------------|---------|-------|
| | | | | | Dollars | Cents |
| 1 | Mobilization Item M-1 Lump Sum Price in Writing | 1 | L.S. | | | |
| 2 | Remove Exist. 7' High Chain Link Fence Poles & Foundations Item F-162-5.1 Unit Price per Linear Foot in Writing | 4,970 | L.F. | | | |
| 3 | New 10' High Chain Link Fence (2' Deep Buried Fabric) Section F-162-5.2 Unit Price per Linear Foot in Writing | 4,650 | L.F. | | | |
| 4 | New Fence Posts Section F-162-5.3 Unit Price per Each in Writing | 465 | EACH | | | |
| 5 | New 4' High Chain Link Fence w/Posts (Layton Ave. Observation Deck) Setion F-162-5.8 Unit Price per Linear Foot in Writing | 425 | LF | | | |
| 6 | New 20' Wide Swing Gate Section F-162-5.4 Unit Price per Each in Writing | 4 | EACH | | | |

BID SCHEDULE - BASE BID (continued)
 GMIA - Security & Wildlife Deterrent Perimeter Fencing - 2011
 Project No. A125-1004

| Item No. | Item | Estimated Quantity | Unit | Unit Price | Amount | |
|----------|---|--------------------|------|------------|-------------|-------|
| | | | | | Dollars | Cents |
| 7 | 2'x4' Concrete Sills @ Swing Gates Section F-162-5.5 Unit Price per Linear Foot in Writing | 60 | L.F. | | | |
| 8 | Double Leaf Alum. Cantilever Slide Gate (10' highw/2' barb wire arms @ Gate 7B) Section F-162-5.6 Unit Price per Each in Writing | 1 | EACH | | | |
| 9 | 4' High Slide Gate (30' Long Leaf) (Layton Ave. Observation Deck) Section F-162-5.7 Unit Price per Linear Foot in Writing | 2 | EACH | | | |
| 10 | Chain Link Fence(10' High 2' Buried) (Sawcut/Remove/Patch Asphalt) Section F-162-5.9 Unit Price per Linear Foot in Writing | 100 | LF | | | |
| 11 | Seeding & Fertilizing Item T-901-5.1 Unit Price Per Square Yard in Writing | 5,630 | S.Y. | | | |
| 12 | Hydro-Mulching Item T-908-5.1 Unit Price Per Square Yard in Writing | 5,630 | S.Y. | | | |
| 13 | Miscellaneous Allowance Lump Sum Price in Writing | 1 | L.S. | 10,000.00 | \$10,000.00 | 0.00 |
| | BASE BID GRAND TOTAL IN FIGURES | | | | | |
| | BASE BID GRAND TOTAL IN WRITING | | | | | |

AIRPORT CONSTRUCTION CONTROLS TO PREVENT AIR AND WATER POLLUTION

1. Air Pollution Control

The Contractor shall be responsible for the control of dust and other air pollutants caused or created by the project construction operations. All pollution control measures shall be made in a manner satisfactory to the Engineer. No additional payment will be made to the Contractor for any pollution control as may be necessary.

2. Permanent and Temporary Water Pollution Control (Soil Erosion)

A. All temporary and permanent erosion control measures as shown on the plans or designated by the contract, or as otherwise required to prevent soil erosion and water pollution during and at completion of the project shall be performed by the Contractor. The permanent measures shall be those items included in the contract work such as seeding, erosion mat, riprap, etc., required for permanent restoration of the project site. The temporary measures shall be those items provided and installed by the Contractor to prevent erosion and water pollution during the construction operation and maintained in place until the permanent items are completed and fully effective in permanently controlling the site erosion.

The ECIP worksheet is to be submitted by the successful Bidder 14 days before the preconstruction conference. The successful Bidder will submit the ECIP worksheet after the Award.

B. All water pollution and soil erosion control measures proposed, provided, installed and maintained by the Contractor shall comply with the guidelines set forth in the "Wisconsin Construction Site Best Management Practice Handbook", latest edition. The implementation of the "Best Management Practices" shall be to limit to the maximum extent practicable the discharge of pollutants to the storm sewer system, as required by Milwaukee County's "Individual" WPDES permit.

C. In case of repeated failures on the part of the contractor to control erosion/pollution, the right is reserved by the engineer to employ outside assistance to provide the necessary corrective measures. Such incurred costs, plus related engineering costs, shall be charged to the contractor and appropriate deductions made from the Contractor's progress payments.

D. The erosion control features installed by the Contractor shall be acceptably maintained by the Contractor during the time that construction work is being done.

3. Other Water Pollution Controls

A. Forging of live streams shall not be permitted unless the contractor's plan for such operation meets the approval of the Engineer and results in minimum siltation to the streams. Unless otherwise approved by the Engineer, mechanized equipment shall not be operated in live streams except as may be required to construct channel changes and temporary or permanent structures.

B. When work areas or pits are located in or adjacent to live streams, such areas shall be separated from the main stream by a dike or other barrier to keep sediment from entering a flowing stream. Care shall be taken during the construction and removal of such barriers to minimize the siltation of the stream.

C. Water from aggregate washing or other operations containing sediment shall be treated by filtration, a settling basin or other means sufficient to reduce the sediment content to not more

than that of the stream or lake into which it is discharged.

- D. Pollutants such as fuels, lubricants, bitumens, raw sewage, and other harmful materials shall not be discharged into or near rivers, streams, and impoundments or into natural or manmade channels leading thereto. Wash water or waste from concrete mixing or curing operations shall not be allowed to enter live streams, etc. In summary all non-storm water discharges to the separate storm sewer system are prohibited unless the discharge is totally innocuous.

4. Clean Air and Water Pollution Control Requirements for All Construction Contracts and Subcontracts Exceeding \$100,000.

A. Contractors and subcontractors agree:

1. That any facility to be used in the performance of the contract or subcontract or to benefit from the contract is not listed on the Environmental Protection Agency (EPA) List of Violating Facilities;
2. To comply with all the requirements of Section 114 of the Clean Air Act, as amended, 42 U.S.C. 1857 et seq. and Section 308 of the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. relating to inspection, monitoring, entry, reports, and information, as well as all other requirements specified in Section 114 and Section 308 of the Acts, respectively, and all other regulations and guidelines issued thereunder;
3. That, as a condition for the award of this contract, the contractor or subcontractor will notify the awarding official of the receipt of any communication from the EPA indicating that a facility to be used for the performance of or benefit from the contract is under consideration to be listed on the EPA List of Violating Facilities;
4. To include or cause to be included in any construction contract or subcontract which exceeds \$100,000 the aforementioned criteria and requirements.

5. Conflict With Other Controls

In the event of conflict between these requirements and pollution control laws, rules or regulations of other federal, state or local agencies, the more restrictive laws, rules or regulations shall apply.

**WS 1073A EROSION CONTROL IMPLEMENTATION PLAN (ECIP) WORKSHEET (Rev. 2/09)
FOR AIRPORT PROJECTS**

Following TRANS 401 of Wisconsin Administrative Code, an ECIP for a project shall be provided to the WisDOT Bureau of Aeronautics and to the appropriate WDNR liaison as identified in the plan at least 14 days prior to the pre-construction conference, or at a time otherwise agreed upon by WisDOT, WDNR and the prime contractor. The ECIP shall be prepared in a detailed, written and pictorial format that identifies the schedule, timing, and methodology for the contractor's implementation of the project's erosion control plan. See the ECIP Worksheet Instructions in the Appendix for additional information regarding ECIP contents.

Project ID: _____ Airport: _____ County: _____
Description of Project: _____
Type of Work: _____
Prime Contractor: _____
Address: _____
Contact Person: _____ Phone: _____
BOA Project Manager: _____ Project Leader: _____

A. The following shall complement the WisDOT project erosion control plan.

1. Principal contact of the contractor responsible for installation, maintenance, and removal of erosion control and storm water management measures at the project sites.

Name: _____ Phone: _____
Firm: _____
Address: _____

2. A description of the intended timetable and sequence of major land disturbing activities at the project sites.
3. A description of erosion control and storm water management measures to be utilized and a schedule for implementing them, including staging construction and maintenance to limit disturbed areas subject to erosion; timing and use of erosion control mobilizations; protection during structure work; method for winter shut-down; and the removal of temporary measures. Include the appropriate plan sheets to identify timing and/or location of BMPs.
4. A description of any additions, amendments, deletions or modifications to the projects erosion control plan or any of the contract documents which pertain to erosion control and stormwater management for the project sites. This includes a need for selected sites not anticipated at the start of construction.

B. Erosion Control Implementation Plan Requirements - Selected Sites

Project ID: _____ Airport: _____ County: _____
Description of Project: _____
Type of Work: _____

Prime Contractor: _____
 Address: _____
 Contact Person: _____ Phone: _____
 DOT Project Manager: _____ Project Leader: _____

The ECIP shall also include, at a minimum, a narrative and pictorial description for each of the selected sites, if any, and attendant erosion control and storm water management measures for the selected sites. If the combined area of the project site and all selected sites disturbs 1 or more acres as determined by WisDOT, the following information is required for each selected site.

If a selected site is used prior to WisDOT approval, it is not covered under the Cooperative Agreement between DOT and DNR and all applicable permits need to be obtained before the selected site can be used.

1. Selected Site Name: _____
 Address: _____
 City/Village/Town: _____ County: _____
 Township Range Section 1/4 Sect. 1/4-1/4 Sect. _____
 Include a location map, i.e. a plat map.

2. Principal contact of the contractor or other person responsible for installation, maintenance, and removal of erosion control and storm water management measures at the selected site.
 Name: _____ Phone: _____
 Firm: _____
 Address: _____

3. Is this a commercial pit? Yes / No If no, continue to #4
 If yes, Name of the pit: _____
 Contact for the pit: _____ Phone: _____
 Include cover sheet of NR 216, NR 135 or COMM permit displaying the permit number, CUP number and expiration date.
 Will the waste or borrow be in the permitted area? Yes / No
 If yes then end of Part B for this selected site. If no then complete remainder of Part B.

4. Have local zoning requirements been met and applicable permits been obtained? Yes / No

5. Is the selected site on tribal land? Yes / No

6. Has the Archaeological Review (Form DT1919) been sent to BEES? Yes / No What was the Bureau recommendation? _____ Have not received response yet _____ Survey Recommended _____ High Potential _____ OK to Proceed

7. Construction activity dates at the selected site: Start: _____ Complete: _____

8. A narrative description of the selected site as it exists before construction, the nature of the activities to be performed at the site including approximate quantity of waste/borrow material, and land use anticipated after restoration to the site.

9. A description of the intended sequence of major land disturbing activities at the selected site.

10. Estimated total area of selected site: _____ Total disturbed area: _____

11. Immediate receiving waters: _____
(Attach FEMA Floodplain maps)

12. Runoff coefficients at the selected site. (Attach the Runoff Coefficient Table) Supply the following estimates: Site slope before construction: _____ After: _____

13. Site map(s) including: (See Trans 401.08(2)(b)(11) for details).
 - a. Boundaries of the site and areas of soil disturbance.
 - b. Existing topography and drainage patterns, roads and surface waters.
 - c. Drainage patterns and approximate slopes anticipated after major grading activities.
 - d. Location of major structural and non-structural erosion control and stormwater management practices.
 - e. Location of areas where stabilization will be employed, including but not limited to vegetation, following construction or maintenance activities.
 - f. Area and extent of wetland acreage on the site, whether disturbed or not.
 - g. Locations where storm water is discharged to a surface water or wetland.
 - h. Location of any internal haul roads.
(Recommend using USGS maps, Orthophotos, SCS Soils maps, or equivalent.)

14. A description of appropriate erosion control and storm water management measures that will be employed at the selected site to prevent sediments and pollutants from reaching waters of the state, including wetlands. The plan shall clearly describe the appropriate best management practice for each major activity identified and the timing during the construction process that the measures will be implemented. The description of best management practices shall include:
 - a. Description of permanent or temporary erosion control and storm water management measures. Plans shall ensure the preservation of existing vegetation where practical.
 - b. Description of structural practices to divert runoff away from exposed soils, to store flows or to otherwise limit runoff and the discharge of pollutants from the site.
 - c. Management of overland flow at the site.
 - d. Trapping of sediment in channelized flow.
 - e. Staging construction to limit bare areas subject to erosion.
 - f. Protection of downslope drainage inlets where they occur.
 - g. Minimization of tracking at the site.
 - h. Clean up of off-site sediment deposits.
 - i. Proper disposal of building and waste material at the site.
 - j. Stabilization of drainage ways.
 - k. Installation of permanent stabilization practices as soon as possible after final grading.
 - l. Minimization of dust to the maximum extent practical.
 - m. Stabilization of the disturbed portions of the site.

15. A description of the procedures to maintain vegetation, best management practices and other protective measures, in good and effective operating condition. If the selected site will remain open for more than 2 weeks without construction activities (i.e. over-winter), how will the site be stabilized and how often will it be inspected?

If permanent infiltration devices are employed, complete:

16. Existing data describing the surface soil, subsoils, and depth to groundwater at the selected site. (Refer to Soil Conservation Service's County Soil Survey Book or equivalent where available.)

C. Amendments

The contractor shall follow the procedure outlined in Trans 401.08(3) for all amendments.

The ECIP shall be amended when there is a change in design, construction, operation or maintenance at a project or selected site that has the reasonable potential for a discharge to waters of the state and that has not been addressed in the ECIP; or when the best management practices required by the plan fail to reduce

adverse impacts to waters of the state caused by a discharge.

Amendments are subject to the written approval of the Department of Transportation after consultation with the DNR.

Please label all attachments with the corresponding Section number (i.e., Attachment B8)

Appendix - Erosion Control Implementation Plan (ECIP) Worksheet Instructions

The prime contractor implementing the erosion control plan for the project shall develop the Erosion Control Implementation Plan (ECIP). The prime contractor shall also use the ECIP to develop and implement an erosion control plan for selected sites, if any. The prime contractor is referred to ch. Trans 401, Wis. Administrative Code for a detailed account of the items required in the ECIP. The ECIP may not be implemented prior to its written approval by the Department of Transportation Bureau of Aeronautics (BOA) in consultation with the Department of Natural Resources (DNR).

The ECIP for a project shall be provided to the appropriate BOA Project Manager and to the appropriate DNR liaison as identified in the plan; delivered either personally or by registered or certified mail, return receipt requested, by the prime contractor at least 14 days prior to the pre-construction conference, or at a time otherwise agreed upon by BOA, DNR and the prime contractor. The ECIP shall be prepared in a detailed, written and pictorial format that identifies the schedule, timing and methodology for the contractor's implementation of:

- A. The project's erosion control plan.
- B. The erosion control plan for selected sites. "Selected sites," means any borrow site or material disposal (waste) site used exclusively for projects administered by WisDOT.

The following is a description of the requirements that are needed for an Erosion Control Implementation Plan (ECIP) under Trans 401. The associated numbers coincide with the ECIP worksheet. The ECIP is not intended to restate contract requirements relating to environmental issues. The ECIP shall contain information as to how the contract erosion control requirements will be implemented by the prime contractor.

Section A is required for any WisDOT administered project that contains an erosion control bid item. However, the detail of an ECIP depends on the project type. WisDOT administered projects that do not contain bid items for erosion control do not require the submittal of an ECIP, unless specified otherwise by the WisDOT. For example, long line stripping, etc....

- A1. Identify the contractor's representative in charge of installing, maintaining and removing the erosion control devices, i.e. erosion control subcontractor. Include phone numbers that will directly contact this representative at any time of the day or night, not the office number.
- A2. The contractor's progress schedule with all land disturbing and erosion control activities, including erosion control mobilizations.
- A3. The contractor must explain how they will implement the erosion control plan into their construction stages and operations. Prepare a narrative that describes how the erosion control practices fit into the project and show when erosion control mobilizations are to occur. Use drawings to illustrate staging as well as proposed changes. Each erosion control item must be shown and labeled. Show when specific erosion control practices will be placed or removed for each operation or stage of the project. Indicate when temporary measures will be removed. Describe any additional measures not included in the erosion control plan due to late season work. If any portion of the project will remain open for an extended period of time (i.e. over-winter) indicate how the area will be stabilized and how often and by whom it will be inspected. For each structure (e.g., bridge, box culvert, etc.) on the project identify:
 - a. How any Special Provisions relating to bridge removal will be met.
 - b. The structure removal capture system to be used.
 - c. Dewatering methods and locations.

AIRPORT CONSTRUCTION CONTROLS TO PREVENT AIR AND WATER POLLUTION

- d. Protection around abutments and pier(s).
- e. Location and protection of stockpile(s).
- f. How water will be handled (i.e. diversion channel, pumping), include detailed plan.
- g. Location of staging areas.
- h. Any changes needed to the 404 permit

A4. Any changes to the erosion control plan are identified in this section.

Section B of the worksheet is for selected sites (borrow and material disposal sites) only. Complete Section B for each selected site. Selected sites that do not involve processing of materials and are used exclusively in WisDOT projects shall be addressed in the ECIP. The ECIP for selected sites shall include, **at a minimum**, a narrative and pictorial description of each of the selected sites (plan and cross section views as appropriate), the erosion control measures used at each site, and a schedule for implementing them. Selected sites that involve material processing must be in compliance with NR 216 and other laws for use in a WisDOT project, but do not require the submittal of a full ECIP. For these sites, the ECIP should document the compliance of the processing sites with NR 216 and other applicable laws.

- B1.** Name and location of selected site. Attach a plat map or other location map.
- B2.** Identify the contractor's representative in charge of installing, maintaining, and removing the erosion control devices. Include a phone number that will directly contact this representative, not the office number.
- B3.** If this pit is permitted by another state agency or governing body the complete ECIP is not required, but proof that it is permitted is required. If the work done is on the pit property, but not in the permitted area, a complete ECIP Section B submittal is required.
- B4.** Local zoning ordinances must still be met.
- B5.** Lands owned or held by a recognized Tribe will need to go through the tribe for the approval process.
- B6.** An Archaeological Review must be sent to BEES (WisDOT Bureau of Equity and Environmental Services) for review for each selected site.
- B7.** Start and completion dates of construction activities on selected site.
- B8.** Describe the selected site before, during and after construction. Identify the existing site conditions and use (i.e. farmed field, lawn). Identify if it is a borrow or material disposal (waste) site including how material will be removed or deposited and approximate quantity of material. Discuss the post construction use of this site.
- B9.** Timetable for selected sites similar to the progress schedule for the project site.
- B10.** Area of each individual selected site. Area of disturbance.
- B11.** List immediate receiving waters that are directly affected by runoff from the selected sites. If there is an immediate receiving water, special care must be taken to protect this area. A check to see if this area is a wetland is recommended.
- B12.** Attach the WisDOT's Runoff Coefficient Table, and note the before and after construction slopes.
- B13.** Map showing where site is located. Please see Trans 401.08(2)(b)(11) for details. Identify the topography, drainage patterns, anticipated slopes and areas of disturbance, location and timing of structural controls, non-structural controls, areas where stabilization will be employed, and areas that will be vegetated on the selected site.
 - a. Use plan or location map to outline both the property and the area of disturbance.
 - b. Use USGS Topographical map or similar to show existing conditions.
<http://nationalmap.gov/gio/viewonline.html>
 - c. Use same map to identify areas of soil disturbance.
 - d. Use same map to identify post construction topography at the site.
 - e. Identify where the BMPs will be used.

AIRPORT CONSTRUCTION CONTROLS TO PREVENT AIR AND WATER POLLUTION

- f. Where will the site be stabilized, i.e. seed or sod.
- g. Identify any impacted, affected or nearby wetlands. If there are any wetlands that may be affected, then a qualified Wetland Delineator must establish the boundaries.
<http://www.dnr.state.wi.us/wetlands/mapping.html>
- h. Locate where stormwater will be discharged from the site during and after construction and any protection needed at the outfall.
- i. Locate any existing or created haul roads within the site boundaries that will be used.

- B14.** Where and how best management practices will be used.
- a. Which BMPs are going to be used and where.
 - b. Topsoil berms to divert water away from exposed surfaces.
 - c. How will the overland flows be contained, diverted and prevent sediment from leaving the site.
 - d. Ditch checks, sumps, sediment traps, etc.
 - e. Identify if the way the site is staged will prevent excessive runoff.
 - f. Protect all nearby inlets that may likely be affected by the site.
 - g. Type of tracking pad if needed.
 - h. Method and frequency of cleaning any sediment that left the site. (i.e. sweeping at end of each day if tracking pad is not 100% successful at keeping sediment on site.)
 - i. Disposal methods for all non-sediment on site.
 - j. Permanent stabilization of any ditches, channels or depressions where water will likely flow post-construction.
 - k. Schedule permanent stabilization as soon as practical to prevent possible future erosion.
 - l. Identify any dust control practices that will be used.
 - m. Vegetation or signed agreement with property owner if it will be farmed or for other use immediately after the site is closed.

B15. Describe the maintenance procedures that will be used on the selected site.

B16. Soil information is required when permanent infiltration devices will be used on the selected site. The information will usually come from Natural Resources Conservation Service County Soil Survey (NRCS) book. <http://websoilsurvey.nrcs.usda.gov/app/>

Section C. Please refer to Trans 401.08(3) for all amendments. DNR should be notified by BOA of any planned amendments to the plan.

ECIPs may be done in stages, if approved by the BOA (for example, all selected sites are not known at the time of ECIP submittal). The ECIP for the initial project should indicate when the other stages would be submitted to the BOA.

END OF SECTION

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I. AIRPORT SAFETY

A. Regulations

1. The operation of the airport is regulated by the Federal Aviation Administration and its rules and regulations governing safety shall be enforced. Contractors shall acquaint themselves with FAA Advisory Circular 150/5370-2 current edition Operational Safety On Airports During Construction and abide by operating rules and regulations and shall be responsible for enforcement of those rules and regulations concerning employees, subcontractors and material suppliers.
2. Failure to observe Safety requirements will be reason to remove Contractors or Subcontractors or their personnel or material from the site.

B. General Safety

1. The geographical form of open trenches, excavations and stockpiled material shall be outlined with low profile barricades with reflective alternating orange and white markings; flashing red lights; 12'x12' bright orange nylon flags.
2. Hazardous areas, in which aircraft are not to enter, shall be indicated by use of low profile reflective barricades with alternating orange and white markings placed end to end with a designated gap for vehicle traffic. Barricades may need to be supplemented with orange flags at least 12 by 12 inches square and installed so that they are always in the extended position and properly oriented. The barricades will be supplemented with flashing red lights.
3. Smoking on aircraft parking ramps or within the confines of a fuel storage area is prohibited.
4. Welding or torch cutting operations require specific permission of the Airport Fire Department. When permitted, adequate fire suppression equipment must be available in close proximity to the job.
5. Waste material shall not be permitted to accumulate and create a hazard for aircraft and associated ground support operations and shall be removed from the airport premises on a regular basis.
6. Debris such as mud, stones, etc. which is inadvertently dropped within aircraft operating areas must be cleaned up immediately. Therefore, construction/repair projects that require motorized equipment to traverse the air operations area will require the contractor to have on site a pick-up broom type mechanical sweeper.
7. Any utility serving the airport shall not be disconnected without prior approval from airport management.
8. Runways or taxiways closed for extended periods of time must be marked in accordance with FAA Advisory Circular 150/5340-1 current edition, Standards for Airport Markings.
9. Prior to the first day of work, each contractor, including subcontractors, shall provide a list to the Airport Operations Office of supervisory personnel who will be involved in the

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project. This list shall contain a 24 hour telephone number of those persons who should be called in the event of an emergency during evenings and weekends.

C. Personnel Safety

1. Contractor will advise their employees to remain within the limits of the designated work area and the routes to be used for access to and from the job site. Access routes to and from the job site will be determined by airport management.
2. Contractor will be required to provide his/her employees with proper hearing and other safety protection devices as appropriate.

D. Vehicle Safety

1. No person shall operate a motorized vehicle on airport property without a valid state-issued Vehicle Operator's License.
2. No vehicle shall be operated in a reckless or negligent manner.
3. No person shall operate a motor vehicle under the influence of alcohol or narcotic drugs.
4. No vehicle shall be operated which may be considered to be overloaded or carrying more passengers than the vehicle was designed to carry.
5. No vehicle shall be operated on the airport that is constructed, equipped, or loaded in a manner considered dangerous to persons or property.
6. No vehicle shall be operated on the airport with someone riding on the running board, or standing up in the open body of the vehicle.
7. No vehicle shall be operated in excess of posted speed limits.
8. All vehicles, when not in use, shall be parked in designated parking locations.
9. No person shall operate motorized ground equipment on the Air Operations Area (AOA) of the airport without an airport-issued driver's endorsement unless they are escorted (physically or visually) by an authorized person.
10. The operation of motorized vehicles on the Air Operations Area shall be in accordance with the Airport Operations IET system for driving in the non-movement areas of the Airport.
11. All vehicles operating on the Air Operations Area shall display a three (3) foot by three (3) foot flag consisting of alternating international orange and white squares of not less than one (1) foot on each side. The flag shall be displayed in full view at the highest point on the vehicle. An amber flashing light affixed to the top of the vehicle may be used in lieu of a flag.

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12. Vehicles and equipment parked on or near an air operations area during hours of darkness or restricted visibility shall be outlined through the use of low profile reflective barricades with flashing red lights.
13. When parking adjacent to an active runway, all vehicles and equipment must be parked parallel to the runway and at least 125 feet outside of the runway lights.
14. Whenever vehicles are required to cross or operate on the movement area (runways and taxiways) effective control procedures shall be established prior to the first day of work. No vehicle will be permitted to cross or operate on an open runway without specific permission obtained through two-way radio communications with the Control Tower. Vehicle control requirements and procedures will be discussed at the preconstruction meeting.
15. All non-radio vehicles that require access to the movement area of the airport must be escorted by a person specifically designated by airport management.
16. Cranes and other high profile construction equipment shall be reduced to their lowest profile when not in use.

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I. AIRPORT SECURITY

A. General Security

1. The operation of the airport is regulated by the Federal Aviation Administration (FAA) and the Transportation Security Administration (TSA). The security rules and regulations established by these agencies shall be enforced. Contractors shall acquaint themselves with these rules and regulations and will be held accountable to ensure that all employees, subcontractors, and material suppliers abide by them.
2. The FAA and TSA have established civil penalty policies whereby monetary penalties may be assessed against individuals, companies, airlines, airports, or any combination thereof. These penalties range from \$1,000.00 to \$25,000.00 per violation. Any penalties assessed against General Mitchell International Airport by the FAA or the TSA as a result of negligence, or failure to adhere to established policies or procedures on the part of a contractor, subcontractor, material supplier or their employees, will be assessed to the prime contractor.
3. Failure to adhere to security rules and regulations will be reason to remove contractors or subcontractors or their personnel or material from the site.
4. **All vehicles and personnel are subject to search at any time.**

B. Regulations

1. 49 Code of Federal Regulations (CFR) 1542 is the governing regulation that requires each airport operator to establish and maintain, in writing, a security program that addresses, among other things, the conduct of required background checks and the establishment of an identification and access control system. This regulation further requires that a training program be established, and that everyone that applies for an airport issued identification/access media badge be trained in certain airport security procedures. General Mitchell International Airport accomplishes this by requiring everyone to view a security training video and pass a written test. This information is provided in English only and, if needed, special arrangements must be made with the Airport Badging Office (747-4537) to have an interpreter present to assist in the administration of this requirement.
2. 49 CFR 1520 establishes the requirement to safeguard information obtained as a result of this training. The information that is provided is considered Sensitive Security Information (SSI) and is therefore only to be discussed with persons that have a "need to know." Additional federal penalties can be assessed against personnel for the unauthorized disclosure of this information.
3. Milwaukee County Ordinance 4.02(8)(c)(8) states: "Airport-issued Personnel Identification Badges are the property of the County. They must be returned to the Airport upon Revocation, Suspension, ending employment at the Airport or upon demand of the County." **Failure to return identification badges may delay or impact the final payment of the contract.**

C. Badging Procedures

1. All companies that conduct business at General Mitchell International Airport must

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have a Badge Information Supplement (BIS) form on file with the airport. This form can be obtained from the Airport Badging Office (Monday – Friday, 8:00 a.m. to 4:30 p.m., excluding holidays). This form must be completed by the company and returned to the Airport Badging Office for further processing. This process can take 7 business days or more to complete. This form must be completed for all projects, unless there is a break of 90 days or less between projects.

2. All companies conducting business in any security area of the airport, as defined in the Airport Security Program (ASP) - except as noted in paragraphs D. and E. below - are required to obtain an airport issued identification/access media badge, hereinafter referred to as badge, for **each** of their employees. To obtain a badge for each employee, the employer must complete a Security Identification Display Area (SIDA) Letter of Certification. This form can be obtained from the Airport Badging Office, during the same days and hours as previously noted. This form must be completed by an officer of the company that has responsibility for ensuring that the procedures on the form can and will be adhered to. This person can then appoint other personnel in the organization to be authorized signers for airport badge application forms.
3. An authorized signer must complete an airport Badge application form and then successfully pass a fingerprint based Criminal History Records Check (CHRC) and a Security Threat Assessment (STA), and must sign and date an Authorized Signer training form before they can sign the application form for other employees to start the badging process.
4. Criminal History Records Check (Fingerprinting)
 - a. Complete a Criminal History Records Check form.
 - b. Provide two forms of identification (these can be the same as the STA **OR** one must contain a photograph and one must be issued by a government agency. **Each applicant must do this in person.**
 - c. Be fingerprinted.

NOTE: The actual time to complete this process should be less than 30 minutes, however, due to unanticipated volume this may take more time. This information is submitted to the TSC immediately. The fingerprint results should be received within 24 hours. When the results are received, if the results are not favorable, the employee will be notified to come and see the Airport Security Coordinator (ASC) or an Assistant ASC, so that the individual receives information on their rights. There is a **\$50.00 fee** for the fingerprinting and a **\$10.00 fee** for the initial badge. A non-refundable fee of **\$50.00** will be assessed for the first replacement badge that is lost; a non-refundable fee of **\$100.00** will be assessed for each subsequent lost badge. The employee cannot schedule any additional training until after notification in regard to the STA.

5. Security Threat Assessment

- a. Complete a General Mitchell International Airport Application form.
- b. Provide two forms of identification as indicated in the List of Acceptable Documents. Only one item from List A **OR** one item from List B **AND** one item from List C at the time that the application is turned in to the Airport Badging Office. **Each applicant must do this in person.**
- c. Sign and date a Privacy Act Notice form.

NOTE: The actual time for the employee to complete these items should be less than 30 minutes, however, due to unanticipated volume this may take more time. The STA information is entered in the

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airport computer database and is sent to the Transportation Security Clearinghouse (TSC) for processing. The results should be received within 72 hours. When the results are received, if they are favorable, the employer will be notified to have the employee call or go online to schedule testing for the Security Video **and/or** Non-Movement Area Driver's Training or the Movement Area Driver's Training as appropriate. If the results are not favorable, the TSA will contact the individual and instruct them on how to proceed. The Airport Badging Office may not be permitted to discuss the results with the employer. There is **no fee** for this process.

6. Security Video **and/or** Driver's Training Video (if applicable)

- a. The Security Video is **mandatory** for **all** badged personnel.
- b. The Non-Movement Area Driver's Training Video is required only if duties require driving on the areas of the airport that do not cross taxiways and/or runways.

7. Contractor Safety Training Video (if applicable)

- a. Contractors working in certain areas of the airport are required to view and pass the Contractor Safety Training Video.
- b. Affected parties will be notified at the pre-bid meeting of the requirement.

NOTE: Scheduling for these training sessions **must** be done by calling the Airport Badging Office at 414-747-4537 or online (internet address will be provided as it becomes available). The actual time to complete the Security Video should be 60 minutes. The actual time to complete the Non-Movement Area Driver's Training Video should be 90 minutes. The actual time to complete the Contractor Safety Training Video should be 35 minutes. There is **no fee** for this process.

Table of Estimated Times for Security Items

| Activity | Estimated time in person | Estimated time to completion |
|---|--------------------------|---|
| Badge Information Supplement (BIS) | 30 minutes | 7 days (See paragraph C.1.) |
| Security Identification Display Area (SIDA) Letter of Certification | 30 minutes | 3 to 5 days (dependent upon authorized signers STA and CHRC results (See paragraph C.2.) |
| Authorized Signer Training | 15 minutes | 15 minutes (See paragraph C.3.) |
| Criminal History Records Check | 30 minutes | 1 day (See paragraph C.4.) |
| Security Threat Assessment (STA) | 30 minutes | 3 days (See paragraph C.5.) |
| Security Video | 60 minutes | (See paragraph C.6.) |
| Driver's Training Video (if applicable) | 90 minutes | (See paragraph C.6.) |
| Contractor Safety Training Video (if applicable) | 35 minutes | (See paragraph C.7.) |
| Total time to receive a Badge = 3 to 7 business days (estimated) | | |

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| LISTS OF ACCEPTABLE DOCUMENTS All documents must be unexpired | | |
|---|---|---|
| LIST A Documents that Establish Both Identity and Employment Authorization | LIST B Documents that Establish Identity | LIST C Documents that Establish Employment Authorization |
| | OR | AND |
| 1. U.S. Passport or U.S. Passport Card | 1. Driver's license or ID card issued by a State or outlying possession of the United States provided it contains a photograph or information such as name, date of birth, gender, height, eye color, and address | 1. Social Security Account Number card other than one that specifies on the face that the issuance of the card does not authorize employment in the United States |
| 2. Permanent Resident Card or Alien Registration Receipt Card (Form I-551) | 2. ID card issued by federal, state or local government agencies or entities, provided it contains a photograph or information such as name, date of birth, gender, height, eye color, and address | 2. Certification of Birth Abroad issued by the Department of State (Form FS-545) |
| 3. Foreign passport that contains a temporary I-551 stamp or temporary I-551 printed notation on a machine-readable immigrant visa | 3. School ID card with a photograph | 3. Certification of Report of Birth issued by the Department of State (Form DS-1350) |
| 4. Employment Authorization Document that contains a photograph (Form I-766) | 4. Veteran's registration card | 4. Original or certified copy of birth certificate issued by a State, county, municipal authority, or territory of the United States bearing an official seal |
| 5. In the case of a nonimmigrant alien authorized to work for a specific employer incident to status, a foreign passport with Form I-94 or Form I-94A bearing the same name as the passport and containing an endorsement of the alien's nonimmigrant status, as long as the period of endorsement has not yet expired and the proposed employment is not in conflict with any restrictions or limitations identified on the form | 5. U.S. Military card or draft record | 5. Native American tribal document |
| 6. Passport from the Federated States of Micronesia (FSM) or the Republic of the Marshall Islands (RMI) with Form I-94 or Form I-94A indicating nonimmigrant admission under the Compact of Free Association Between the United States and the FSM or RMI | 6. Military dependent's ID card | 6. U.S. Citizen ID Card (Form I-197) |
| | 7. U.S. Coast Guard Merchant Mariner Card | 7. Identification Card for Use of Resident Citizen in the United States (Form I-199) |
| | 8. Native American tribal document | 8. Employment authorization document issued by the Department of Homeland Security |
| | 9. Driver's license issued by a Canadian government authority | |
| | For persons under age 18 who are unable to present a document listed above: | |
| | 10. School record or report card | |
| | 11. Clinic, doctor, or hospital record | |
| | 12. Day-care or nursery school record | |

Illustrations of many of these documents appear in Part 8 of the Handbook for Employers (M-174)

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NOTE: The applicant can present one item from Column A, OR, if they do not have an item from Column A, they must present one item from Column B AND one item from Column C.