# Ten-Year Airport Capital Improvement Program (ACIP) 2012-2022

**Evart Municipal Airport**
Evart, MI

**November 10, 2011**

**Michigan State Block Grant  Program**

**Submitted by:**
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**Prepared by:**
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## MICHIGAN STATE BLOCK GRANT PROGRAM

## TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012* to FY-2022

*ACIP includes current development year (2012 already programmed - minor changes acceptable)

| | | | |
|---|---|---|---|
| Airport Name: | EVART MUNICIPAL AIRPORT | Date Prepared: | 11/10/2011 |
| Associated City: | EVART, MI | Prepared By: | C&S ENGINEERS, INC. |
| Sponsor: | CITY OF EVART | Sponsor email address & phone: | Zack Szakacs, evartmanager@sbcglobal.net, (231) 734-2181 |
| Airport Identifier: | 9C8 | **FINAL ACIP due to MDOT AERO: no later than 12/1/11** | |

| Development Year | Project Description | Shown on ALP? (Yes or No) | ACIP Code** | NPIAS Priority Rating** | Federal Entitlements | Federal Apportionment | Federal Discretionary | State | Local | Total | Remarks/Item Justification - Provide as much detail as possible |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2012 | Snow Removal Equipment (SRE) | NO | ST EQ SN | 44 | $152,000 | $0 | $0 | $4,000 | $4,000 | $160,000 | The airport does not currently own snow removal equipment. Also see attached justification. |
| 2012 | ALP Update | NA | PL PL MA | 62 | $66,500 | $0 | $0 | $1,750 | $1,750 | $70,000 | The existing ALP does not show several of the future projects on the ACIP. The SRE building, fuel facilities, and wildlife fencing need to be added to the plan. In addition, the runway extension is not shown. It is understood that justification for the 5,000' extension will be needed. If it can be justified with the completion of this ALP, it will be added. Otherwise there is a user survey planned for 2016 and the ALP would need to be updated again before the extension project could move forward. |
| 2012 | Crack Sealing | YES | RE RW IM | 66 | $9,500 | $0 | $0 | $250 | $250 | $10,000 | The airport would like to continue sealing cracks as a preventative maintenance measure. |
| 2013 | SRE Building | NO | ST BD SN | 36 | $193,800 | $0 | $0 | $5,100 | $5,100 | $204,000 | An SRE building will protect the new equipment. Also see attached justification. |
| 2014 | Pavement Repairs and Guidance Signs | YES | RE RW IM | 66 | $209,950 | $0 | $0 | $5,525 | $5,525 | $221,000 | This preventative maintenance project will keep the runway in good condition. Also see attached justification. |
| 2015 | Fuel Facilities including SPCC/SWPPP | NO | OT OT FF | 17 | $171,000 | $0 | $0 | $4,500 | $4,500 | $180,000 | The airport does not currently have fuel services. Also see attached justification. |
| 2016 | Wildlife Fencing | NO | ST EQ SE | 38 | $223,534 | $4,466 | $0 | $6,000 | $6,000 | $240,000 | Wildlife fencing will help prevent deer from entering airport property. Also see attached justification. |
| 2017 | One 10 Unit T-Hangar | YES | ST BD MS | 29 | $150,000 | $0 | $0 | $16,531 | $494,719 | $661,250 | The local share is higher because entitlements will not cover the full cost. Also see attached justification. |
| 2018 | Runway Lighting Improvements | YES | RE RW LI | 66 | $150,000 | $100,800 | $0 | $6,600 | $6,600 | $264,000 | A majority of the airfield signage and lighting equipment is approximately 10-15 years old. Also see attached justification. |
| 2019 | User Survey | NA | PL PL MA | 62 | $7,125 | $0 | $0 | $188 | $188 | $7,500 | In order to bring in larger aircraft and accommodate potential users, the City of Evart feels that a runway extension to 5,000' is necessary. With the help of C&S, a user survey will be completed. We will attempt to gather information from existing users as well as potential users to show that a 5,000' runway is needed. |
| 2020 | Environmental Assessment for Runway Extension | NA | EN PL MA | 62 | $71,250 | $0 | $0 | $1,875 | $1,875 | $75,000 | Before the Runway 6-24 extension can be constructed, it is necessary to complete an environmental assessment. The airport is planning for the future and would like to accommodate a pending industrial park tenant. Runway length will need to be justified as well. |
| 2021 | Design for Runway Extension | NO | CA RW EX | 51 | $150,100 | $0 | $0 | $3,950 | $3,950 | $158,000 | To accommodate pending industrial park tenant with longer runway for larger aircraft. |
| 2022 | Runway 6-24 Extension to 5000' | NO | CA RW EX | 51 | $371,525 | $1,274,825 | $0 | $43,325 | $43,325 | $1,733,000 | To accommodate pending industrial park tenant with longer runway for larger aircraft. Also see attached justification. |

** In accordance with FAA Order 5100.39A, Appendix 6 - Fields need to be completed

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
SNOW REMOVAL EQUIPMENT
BASED ON FY 2012 DOLLARS

H18.MKT

07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | | SNOW REMOVAL EQUIPMENT | 1 | LS | $150,000.00 | $150,000.00 |
| | | EQUIPMENT COST | | | | $150,000.00 |
| | | ENGINEERING & ADMINISTRATION | | | | $10,000.00 |
| | | TOTAL PROJECT COST | | | | $160,000.00 |

JUSTIFICATION

Currently the City of Evart uses the snow removal equipment that is used on the local streets for airport snow removal. This equipment is old and requires an extensive amount of maintenance. The airport would benefit from having its own snow removal equipment to keep the pavement surfaces clear in the winter.

# Snow Removal Equipment Calculations

**Michigan State Block Grant Program - Non-Commercial Service**

**Except for the Notes sections, the darkly shaded areas will automatically calculate*

| | | | |
|---|---|---|---|
| Airport Name: | Evart Municipal Airport | Associated City: | Evart |
| Annual Aircraft Operations | 724 | Average Annual Snowfall (inches): | 119.5 |
| (MDOT AERO will provide upon request, if needed.) | | Source: | www.weather.gov |

Current MASP Classification (i.e. CII, BII, etc.) BI (refer to Table 36)

Clearance Time per AC 150-5200-30B (refer to Table 1-2) 6 hours

## Priority 1 (Critical) Snow Removal Areas

**Primary Runway**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Designation: | 6-24 | 3800 | length (ft) x | 75 | width (ft) | = | 285,000 | sq. ft. |
| Designation: | | | length (ft) x | | width (ft) | = | 0 | sq. ft. |
| Designation: | | | length (ft) x | | width (ft) | = | 0 | sq. ft. |
| | | | | | | **TOTAL** | **285,000** | |

Notes:

**Parallel Taxiway and one or two principal connecting taxiways**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Designation: | Txy A | 1980 | length (ft) x | 35 | width (ft) | = | 69,300 | sq. ft. |
| Designation: | Txy C | 380 | length (ft) x | 35 | width (ft) | = | 13,300 | sq. ft. |
| Designation: | Txy B | 240 | length (ft) X | 35 | width (ft) | = | 8,400 | sq. ft. |
| Designation: | | | length (ft) x | | width (ft) | = | 0 | sq. ft. |
| | | | | | | **TOTAL** | **91,000** | |

Notes:

**Terminal, Cargo, and/or General Aviation Aprons** (Critical apron area assumed as 2/3 of the apron)

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 67 | % Req' x | 130 | length (ft) x | 120 | width (ft) | = | 10,452 | sq. ft. |
| 67 | % Req' x | 310 | length (ft) x | 155 | width (ft) | = | 32,194 | sq. ft. |
| 67 | % Req' x | | length (ft) x | | width (ft) | = | 0 | sq. ft. |
| 67 | % Req' x | | length (ft) x | | width (ft) | = | 0 | sq. ft. |
| *If more of apron(s) is considered critical, written justification must be provided.* | | | | | | **TOTAL** | **42,646** | |

Notes:

**Other Critical Areas** (i.e. emergency service roads, ARFF acces roads, NAVAIDs, & other areas deemed essential)

| | | | | | | |
|---|---|---|---|---|---|---|
| Describe: | | length (ft) x | | width (ft) | = | 0 sq. ft. |
| Describe: | | length (ft) x | | width (ft) | = | 0 sq. ft. |
| Describe: | | length (ft) x | | width (ft) | = | 0 sq. ft. |
| Describe: | | length (ft) x | | width (ft) | = | 0 sq. ft. |
| | | | | | **TOTAL** | **0** |

Notes:

| | | |
|---|---|---|
| Total Priority 1 (Critical) Area | 418,646 | sq. ft. |
| Snow Density (using 1" of snow at 25 lbs/cu ft.) | 436 | tons |
| Minimum snow removal rate (70% efficiency) | 104 | tons/hr |

**Snow Removal Equipment Determination**

| AC 150-5220-20 | Eligible SRE Items | Quantity | Requirements and Assumptions |
|---|---|---|---|
| Rotary Plows (Chapter 2) | Snow Blower | 1 | Class I up to 600 tons/hr<br>*(Refer to Table 2-1 - Rotary Plow Capacities)*<br>*The largest class is automatically populated based on tons/hr* |
| Displacement Plows (Chapter 6) | Plow | 2 | 2 x the # of eligible snow blowers (equal capacity to blower) If annual snowfall > 30 " or > 10,000 annual operations and at least 15" of snow. |
| Snowsweepers (Chapter 8) | Sweeper | enter manually | Considered Supporting Equipment as needed to complete snow removal operations in accordance with FAA AC 150/5220-20 |
| Carrier Vehicles (Chapter 5) | Front End Loader/Tractor | enter manually | Considered Supporting Equipment as needed to complete snow removal operations in accordance with FAA AC 150/5220-20 |

Above table based on AC 150/5220-20, Chapter 6, Paragraph 38 (b & c) for Minimum Equipment Requirements.

*If an airport requests more than the eligible quantities of snow removal equipment, additional justification must be submitted for determination of eligibility.*

Sponsor Remarks:

*MDOT will review sheet and make final determination of eligible SRE.*

MDOT Use ONLY

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT H18.MKT
EVART, MI
SNOW REMOVAL EQUIPMENT BUILDING 07/26/11
BASED ON FY 2012 DOLLARS

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | | SNOW REMOVAL EQUIPMENT BUILDING | 1 | LS | $170,000.00 | $170,000.00 |
| | | CONSTRUCTION COST | | | | $170,000.00 |
| | | ENGINEERING & ADMINISTRATION (20%+/-) | | | | $34,000.00 |
| | | TOTAL PROJECT COST | | | | $204,000.00 |

JUSTIFICATION

An SRE building is important to house new snow removal equipment to keep it out of the harsh weather, and give airport personnel a place to repair and maintain the equipment. This will keep the equipment running at a higher performance for a longer period of time.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
PAVEMENT REPAIRS AND LIGHTING IMPROVEMENTS
BASED ON FY 2012 DOLLARS

H18.MKT.CRM

07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | P-152 | SUBGRADE UNDERCUTTING | 50 | CY | $20.00 | $1,000.00 |
| 2 | P-208 | AGGREGATE BASE COURSE, 50% CRUSHED, 1" MAXIMUM, COMPACTED IN PLACE | 50 | CY | $40.00 | $2,000.00 |
| 3 | P-605 | MISC. JOINT AND CRACK SEALING, AS SPECIFIED | 12,000 | LF | $1.50 | $18,000.00 |
| 4 | P-620 | REMARKING AIRPORT PAVEMENT, SOLID, WHITE OR YELLOW, WITH REFLECTIVE BEADS | 44,200 | SF | $0.50 | $22,100.00 |
| 5 | N/A | MISC. 2' PAVEMENT REPAIR | 4,250 | LF | $15.00 | $63,750.00 |
| 6 | N/A | MISC. 4' PAVEMENT REPAIR | 850 | LF | $25.00 | $21,250.00 |
| 7 | N/A | MISC. 6' PAVEMENT REPAIR | 350 | LF | $45.00 | $15,750.00 |
| 8 | L-109 | ELECTRIC HANDHOLE | 2 | EACH | $800.00 | $1,600.00 |
| 9 | L125 | REMOVE AIRFIELD GUIDANCE SIGN | 2 | EACH | $300.00 | $600.00 |
| 10 | L125 | AIRFIELD GUIDANCE SIGN | 2 | EACH | $4,000.00 | $8,000.00 |
| 11 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | $20,000.00 | $20,000.00 |
| 12 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | $6,950.00 | $6,950.00 |
| | | CONSTRUCTION COST | | | | $181,000.00 |
| | | DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | $18,000.00 |
| | | CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | $22,000.00 |
| | | TOTAL PROJECT COST | | | | $221,000.00 |

JUSTIFICATION

Runway 6-24 at Evart Municipal Airport had a Pavement Condition Index (PCI) of 91 as of 2007. On average, the PCI rating will decrease by 2-3 points per year, which puts the PCI for Runway 6-24 at about 70-77 by 2014. In 2007, the apron, taxiways and taxilanes all had a PCI above 96. Minor repairs will be necessary by 2014. The parking lot had a PCI of 52 in 2007 and is not included in this estimate since the pavement condition is beyond the rehabilitation stage and would require reconstruction.

A majority of the airfield signage and lighting equipment is approximately 10-15 years old. Airfield lighting circuits have required a substantial amount of maintanence and repair over the years. In 2003, additional taxiway entrance lights and one airfield guidance sign were added to the existing runway circuit. Replacement parts for internal sign components have been costly and difficult to find.
This project is not expected to cause any significant environmental impacts and should fall under a categorical exclusion.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
FUEL FACILITIES
BASED ON FY 2012 DOLLARS

H18.MKT

07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | | FUEL FACILITIES | 1 | LS | $150,000.00 | $150,000.00 |
| | | CONSTRUCTION COST | | | | $150,000.00 |
| | | ENGINEERING & ADMINISTRATION (20%+/-) | | | | $30,000.00 |
| | | TOTAL PROJECT COST | | | | $180,000.00 |

JUSTIFICATION

Evart Municipal Airport does not currently offer fueling facilities on the airfield. This project will attract users and increase operations at the airport.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT H18.MKT
EVART, MI
WILDLIFE FENCING 07/26/11
BASED ON FY 2012 DOLLARS

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | F-162 | 10-FOOT CHAIN LINK FENCE | 6,300 | LF | $30.00 | $189,000.00 |
| 2 | M-100 | SAFETY AND SECURITY | 1 | LS | $3,500.00 | $3,500.00 |
| 3 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | $7,500.00 | $7,500.00 |
| | | CONSTRUCTION COST | | | | $200,000.00 |
| | | ENGINEERING & ADMINISTRATION (20%+/-) | | | | $40,000.00 |
| | | TOTAL PROJECT COST | | | | $240,000.00 |

JUSTIFICATION

The runway is currently in close proximity to wetlands and areas where there is a high concentration of deer. The wildlife fence will keep the deer from entering the airport property and prevent accidents with aircraft.

It is anticipated that some level of environmental assessment will be needed for this project because of the location of the fence. This will be determined well before design starts for this project.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
10 UNIT T-HANGAR
BASED ON FY 2012 DOLLARS

H18.MKT

07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | | 10 UNIT T-HANGAR | 1 | LS | $575,000.00 | $575,000.00 |
| | | CONSTRUCTION COST | | | | $575,000.00 |
| | | ENGINEERING & ADMINISTRATION (15%+/-) | | | | $86,250.00 |
| | | TOTAL PROJECT COST | | | | $661,250.00 |

JUSTIFICATION

Evart Municipal Airport currently has no based aircraft, and there are no hangars for rent on the airfield. In order to attract users and increase operations, t-hangars are needed.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
RUNWAY LIGHTING IMPROVEMENTS
BASED ON FY 2012 DOLLARS

H18.MKT.CRM

07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | L-108 | CABLE TRENCH, 18" AND LESS WIDTH, 18" DEPTH | 22,000 | LF | $2.50 | $55,000.00 |
| 2 | L-108 | UNDERGROUND CABLE, 1/C, #8, 5000V, L824, TYPE C, IN TRENCH OR DUCT | 12,800 | LF | $1.50 | $19,200.00 |
| 3 | L-108 | MISC. BARE COUNTERPOISE WIRE, #6, SOLID, IN TRENCH OR DUCT | 12,000 | LF | $1.00 | $12,000.00 |
| 4 | L-109 | FURNISH & INSTALL SPECIFIED ELECTRICAL VAULT EQUIPMENT | 1 | LS | $17,500.00 | $17,500.00 |
| 5 | L-109 | ELECTRIC HANDHOLE | 3 | EACH | $800.00 | $2,400.00 |
| 6 | L-110 | 2" SCH. 40 PVC CONDUIT, IN TURF | 12,000 | LF | $2.00 | $24,000.00 |
| 7 | L-125 | MEDIUM INTENSITY EDGE LIGHT, L861, (MIRL/MITL), 30" HIGH, 6.6A, BASE MOUNT, COMPLETE EXCEPT LENS AND LAMP | 56 | EACH | $800.00 | $44,800.00 |
| 8 | L-125 | LENS & LAMP FOR MITL, TYPE L861T, 360 BLUE COLOR | 6 | EACH | $100.00 | $600.00 |
| 9 | L-125 | LENS & LAMP FOR MITL, TYPE L861, 360 CLEAR COLOR | 38 | EACH | $100.00 | $3,800.00 |
| 10 | L-125 | LENS & LAMP FOR MITL, TYPE L861, 360 GREEN/RED COLOR | 12 | EACH | $100.00 | $1,200.00 |
| 11 | L-125 | REMOVE EXISTING MEDIUM INTENSITY STAKE MOUNTED LIGHT | 50 | EACH | $50.00 | $2,500.00 |
| 12 | L-125 | REMOVE EXISTING MEDIUM INTENSITY BASE MOUNTED LIGHT | 8 | EACH | $150.00 | $1,200.00 |
| 13 | L125 | REMOVE AIRFIELD GUIDANCE SIGN | 2 | EACH | $300.00 | $600.00 |
| 14 | L125 | AIRFIELD GUIDANCE SIGN | 2 | EACH | $4,000.00 | $8,000.00 |
| 15 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | $15,000.00 | $15,000.00 |
| 16 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | $8,200.00 | $8,200.00 |
| | | CONSTRUCTION COST | | | | $216,000.00 |
| | | DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | $22,000.00 |
| | | CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | $26,000.00 |
| | | TOTAL PROJECT COST | | | | $264,000.00 |

JUSTIFICATION

A majority of the airfield signage and lighting equipment is approximately 10-15 years old. Airfield lighting circuits have required a substantial amount of maintanence and repair over the years. In 2003, additional taxiway entrance lights and one airfield guidance sign were added to the existing runway circuit. Replacement part for internal sign components have been costly and difficult to find.

PROBABLE PROJECT COST

EVART MUNICIPAL AIRPORT
EVART, MI
RUNWAY 6 EXTENSION
BASED ON FY 2012 DOLLARS

H18.MKT

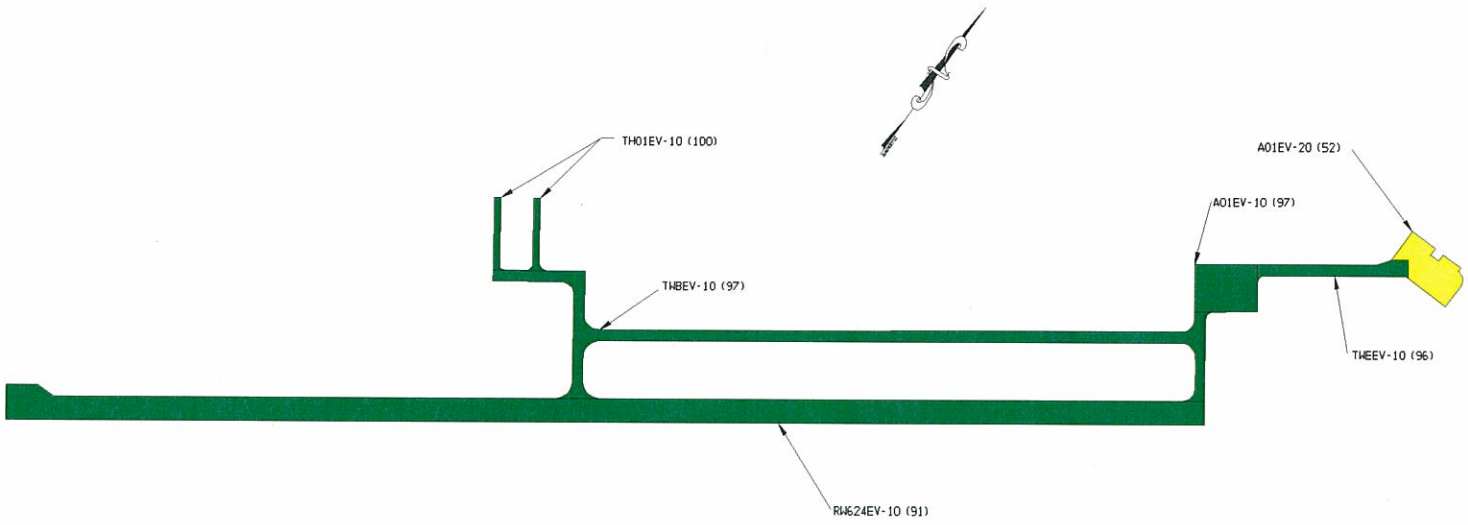
07/26/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|---|---|---|---|---|---|
| 1 | P-151 | WETLAND CLEARING | 58,000 | SY | $0.50 | $29,000.00 |
| 2 | NA | WETLAND MITIGATION | 8 | ACRES | $50,000.00 | $402,500.00 |
| 3 | P-152 | UNCLASSIFIED EXCAVATION | 8,000 | CY | $8.00 | $64,000.00 |
| 4 | P-152 | SUITABLE OFF-SITE BORROW | 30,000 | CY | $10.00 | $300,000.00 |
| 5 | P-156 | SOIL EROSION AND SEDIMENTATION CONTROL | 1 | LS | $25,000.00 | $25,000.00 |
| 6 | P-208 | CRUSHED AGGREGATE BASE COURSE | 6,300 | CY | $35.00 | $220,500.00 |
| 7 | P-411 | 4" BITUMINOUS PAVEMENT | 2,600 | TON | $75.00 | $195,000.00 |
| 8 | P-603 | BITUMINOUS TACK COAT | 630 | GAL | $5.00 | $3,150.00 |
| 9 | P-620 | RUNWAY & TAXIWAY PAINTING | 8,900 | SF | $1.00 | $8,900.00 |
| 10 | P-620 | PAINT REMOVAL | 7,500 | SF | $1.00 | $7,500.00 |
| 11 | D-701 | DRAINAGE | 1 | LS | $23,000.00 | $23,000.00 |
| 12 | D-705 | 6-INCH UNDERDRAIN | 3,450 | LF | $7.00 | $24,150.00 |
| 13 | D-705 | CLEANOUTS | 8 | EACH | $600.00 | $4,800.00 |
| 14 | D-710 | STABILIZATION FABRIC | 115,000 | SF | $0.20 | $23,000.00 |
| 15 | T-906 | TOPSOIL (4"), SEED AND MULCH | 14,400 | SY | $3.00 | $43,200.00 |
| 16 | L-108 | NO. 8 AWG, 600V, 1/C AIRPORT LIGHTING CABLE | 9,200 | LF | $2.00 | $18,400.00 |
| 17 | L-108 | COUNTERPOISE WIRE | 6,200 | LF | $1.50 | $9,300.00 |
| 18 | L-110 | 2-INCH DIA. PVC CONDUIT IN TRENCH | 6,200 | LF | $10.00 | $62,000.00 |
| 19 | L-115 | ELECTRIC JUNCTION CAN | 4 | EACH | $800.00 | $3,200.00 |
| 20 | L-125 | MEDIUM INTENSITY R/W LIGHTS, BASE MOUNTED | 8 | EACH | $1,000.00 | $8,000.00 |
| 21 | L-125 | RELOCATION OF REILS | 1 | LS | $6,000.00 | $6,000.00 |
| 22 | L-125 | RELOCATE PAPI SYSTEM | 1 | LS | $11,500.00 | $11,500.00 |
| 23 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | $23,000.00 | $23,000.00 |
| 24 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | $60,900.00 | $60,900.00 |
| | | CONSTRUCTION COST | | | | $1,576,000.00 |
| | | ENGINEERING & ADMINISTRATION (20%+/-) | | | | $315,000.00 |
| | | TOTAL PROJECT COST | | | | $1,891,000.00 |

JUSTIFICATION

Evart Municipal Airport is planning for the future, and would like to accommodate a pending industrial park tenant by providing the runway length needed for larger aircraft. It is understood that justification for the length, environmental assessment and ALP update will be needed before this project can begin.

# Evart Municipal




| 86-100 | 71-85 | 56-70 | 41-55 | 26-40 | 11-25 | 0-10 |
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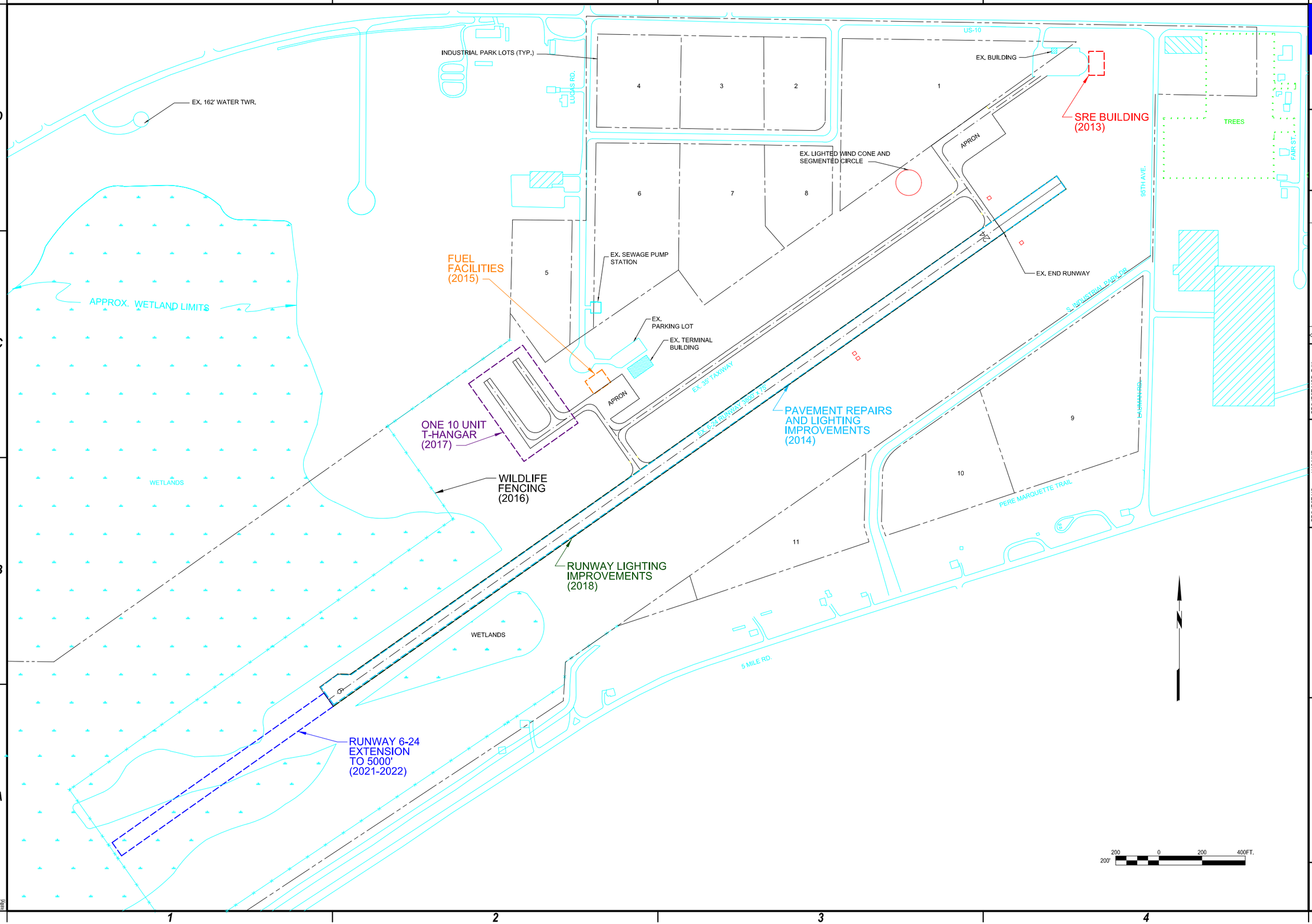


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DESIGNED BY: KJJ
DRAWN BY: APM
CHECKED BY: KJJ

PROJECT NO.: H18.MKT
DATE: NOVEMBER 2011
SCALE: AS SHOWN
CADD FILE NO.: H18.MKT

EVART MUNICIPAL AIRPORT
CITY OF EVART
EVART, MI

EVART MUNICIPAL AIRPORT
**ACIP**

SHEET REFERENCE NO.
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SHEET 1 OF 1



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