

Ten-Year Airport Capital Improvement Program (CIP) 2012-2022



Sandusky City Airport
Sandusky, MI

November 10, 2011

Michigan State Block Grant Program

Submitted by:

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Prepared by:

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PROBABLE PROJECT COST

SANDUSKY CITY AIRPORT
SANDUSKY, MI
TERMINAL SITE WORK
BASED ON FY 2012 DOLLARS

I21.MKT.CRM

11/09/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|----------|---|----------|-------|-------------|---------------------|
| 1 | P-152 | UNCLASSIFIED EXCAVATION | 4,150 | CY | \$7.00 | \$29,050.00 |
| 2 | P-156 | COMPLIANCE W/POLLUTION, EROSION & SILTATION CONTROL | 1 | LS | \$20,000.00 | \$20,000.00 |
| 3 | P-208 | CRUSHED AGGREGATE BASE COURSE | 1,770 | CY | \$35.00 | \$61,950.00 |
| 4 | P-411 | BITUMINOUS PAVEMENT | 1,770 | TON | \$75.00 | \$132,750.00 |
| 5 | P-603 | BITUMINOUS TACK COAT | 530 | GAL | \$2.00 | \$1,060.00 |
| 6 | D-705 | 6-INCH UNDERDRAIN | 860 | LF | \$8.00 | \$6,880.00 |
| 7 | D-705 | UNDERDRAIN CLEANOUTS | 15 | EACH | \$600.00 | \$9,000.00 |
| 8 | T-906 | TOPSOIL, SEED AND MULCH | 2,650 | SY | \$4.00 | \$10,600.00 |
| 9 | NA | BOX HANGAR DEMO | 1 | LS | \$12,000.00 | \$12,000.00 |
| 10 | NA | T-HANGAR DEMO | 1 | LS | \$20,000.00 | \$20,000.00 |
| 11 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | \$6,000.00 | \$6,000.00 |
| 12 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | \$12,710.00 | \$12,710.00 |
| CONSTRUCTION COST | | | | | | \$322,000.00 |
| DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | | | \$32,000.00 |
| CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | | | \$39,000.00 |
| TOTAL PROJECT COST | | | | | | \$393,000.00 |

JUSTIFICATION

The Sandusky City Airport has been working toward compliance with FAA standards for many years. This project will continue the process by creating a site for a new terminal building. The existing terminal is less than 200' from the centerline of the runway and within the existing OFA. It will eventually need to be removed. The work includes grading the site and pavement for a parking lot and entrance road. It also includes the demolition of one box hangar and the t-hangars that are too close to the runway.

It is possible this project could require an environmental assessment (EA) or short form EA. This will be determined well in advance of starting design.



PROBABLE PROJECT COST

SANDUSKY CITY AIRPORT
SANDUSKY, MI
TERMINAL CONSTRUCTION
BASED ON FY 2012 DOLLARS

I21.MKT.CRM

11/09/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|--------------------|----------|---|----------|-------|--------------|--------------|
| 1 | | TERMINAL BUILDING | 1 | LS | \$400,000.00 | \$400,000.00 |
| 2 | | DEMO OF EXISTING BUILDING | 1 | LS | \$28,000.00 | \$28,000.00 |
| | | CONSTRUCTION COST | | | | \$428,000.00 |
| | | DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | \$43,000.00 |
| | | CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | \$51,000.00 |
| TOTAL PROJECT COST | | | | | | \$522,000.00 |

JUSTIFICATION

The Sandusky City Airport has been working toward compliance with FAA standards for many years. This project will continue the process by constructing a new terminal building. The existing terminal is less than 200' from the runway centerline and within the OFA. It will be removed after the completion of the new building.

This project is not expected to cause any significant environmental impacts and should fall under a categorical exclusion.



PROBABLE PROJECT COST

SANDUSKY CITY AIRPORT
 SANDUSKY, MI
 RUNWAY 9-27 EXTENSION (TO 4,350')
 BASED ON FY 2012 DOLLARS

I21.MKT.CRM

07/11/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|----------|---|----------|-------|-------------|---------------------|
| 1 | P-152 | UNCLASSIFIED EXCAVATION | 8,670 | CY | \$7.00 | \$60,690.00 |
| 2 | P-156 | SOIL EROSION AND SEDIMENTATION CONTROL | 1 | LS | \$15,000.00 | \$15,000.00 |
| 3 | P-208 | 6" CRUSHED AGGREGATE BASE COURSE | 1,430 | CY | \$35.00 | \$50,050.00 |
| 4 | P-411 | 4" BITUMINOUS PAVEMENT | 1,750 | TON | \$75.00 | \$131,250.00 |
| 5 | P-603 | BITUMINOUS TACK COAT | 450 | GAL | \$2.00 | \$900.00 |
| 6 | P-620 | RUNWAY & TAXIWAY PAINTING | 20,100 | SF | \$0.50 | \$10,050.00 |
| 7 | P-620 | PAINT REMOVAL | 6,900 | SF | \$1.00 | \$6,900.00 |
| 8 | D-705 | 6-INCH UNDERDRAIN | 2,050 | LF | \$8.00 | \$16,400.00 |
| 9 | D-705 | CLEANOUTS | 8 | EACH | \$600.00 | \$4,800.00 |
| 10 | D-710 | STABILIZATION FABRIC | 80,450 | SF | \$0.20 | \$16,090.00 |
| 11 | T-905 | TOPSOIL (4"), SEED & MULCH | 15,300 | SY | \$4.00 | \$61,200.00 |
| 12 | L-108 | NO. 8 AWG, 600V, 1/C AIRPORT LIGHTING CABLE | 2,250 | LF | \$3.00 | \$6,750.00 |
| 13 | L-108 | COUNTERPOISE WIRE | 2,250 | LF | \$1.50 | \$3,375.00 |
| 14 | L-115 | ELECTRIC JUNCTION CAN | 2 | EACH | \$800.00 | \$1,600.00 |
| 15 | L-125 | MEDIUM INTENSITY R/W LIGHTS, BASE MOUNTED | 4 | EACH | \$980.00 | \$3,920.00 |
| 16 | L-125 | MEDIUM INTENSITY R/W LIGHTS, STAKE MOUNTED | 12 | EACH | \$630.00 | \$7,560.00 |
| 17 | L-125 | REMOVAL OF EXISTING R/W LIGHTS | 8 | EACH | \$115.00 | \$920.00 |
| 18 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | \$20,000.00 | \$20,000.00 |
| 19 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | \$16,545.00 | \$16,545.00 |
| CONSTRUCTION COST | | | | | | \$434,000.00 |
| DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | | | \$43,000.00 |
| CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | | | \$52,000.00 |
| TOTAL PROJECT COST | | | | | | \$529,000.00 |

JUSTIFICATION

After the user survey shows justification, Runway 9-27 will be extended from 3,500' to 4,350'. Environmental clearance will be obtained in 2015. The project is already shown on the ALP.



PROBABLE PROJECT COST

SANDUSKY CITY AIRPORT
SANDUSKY, MICHIGAN
PARTIAL PARALLEL TAXIWAY CONSTRUCTION
BASED ON FY 2012 DOLLARS

I21.MKT.CRM

07/11/11

| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|----------|--|----------|-------|-------------|---------------------|
| 1 | P-152 | UNCLASSIFIED EXCAVATION | 5,600 | CY | \$7.00 | \$39,200.00 |
| 2 | P-156 | SOIL EROSION AND SEDIMENTATION CONTROL | 1 | LS | \$25,000.00 | \$25,000.00 |
| 3 | P-208 | 8" CRUSHED AGGREGATE BASE COURSE | 2,050 | CY | \$35.00 | \$71,750.00 |
| 4 | P-411 | 4" BITUMINOUS PAVEMENT | 2,250 | TON | \$75.00 | \$168,750.00 |
| 5 | P-603 | BITUMINOUS TACK COAT | 475 | GAL | \$2.00 | \$950.00 |
| 6 | P-620 | RUNWAY & TAXIWAY PAINTING | 1,380 | SF | \$1.00 | \$1,380.00 |
| 7 | D-705 | 6-INCH UNDERDRAIN | 4,720 | LF | \$8.00 | \$37,760.00 |
| 8 | D-705 | CLEANOUTS | 8 | EACH | \$600.00 | \$4,800.00 |
| 9 | D-710 | STABILIZATION FABRIC | 82,350 | SF | \$0.20 | \$16,470.00 |
| 10 | T-905 | TOPSOIL (4"), SEED & MULCH | 5,500 | SY | \$4.00 | \$22,000.00 |
| 11 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | \$20,000.00 | \$20,000.00 |
| 12 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | \$15,940.00 | \$15,940.00 |
| CONSTRUCTION COST | | | | | | \$424,000.00 |
| DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | | | \$42,000.00 |
| CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | | | \$51,000.00 |
| TOTAL PROJECT COST | | | | | | \$517,000.00 |

JUSTIFICATION

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|---|
| <p>The Sandusky City Airport does not currently have a parallel taxiway to Runway 9-27. This is a safety concern because aircraft must back-taxi the entire runway length in order to take off from Runway 9. Design for this project would take place in 2019 with construction in 2020.</p> |
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PROBABLE PROJECT COST

SANDUSKY CITY AIRPORT
SANDUSKY, MICHIGAN
BEACON AND WIND TEE
BASED ON FY 2012 DOLLARS

I21.MKT.CRM

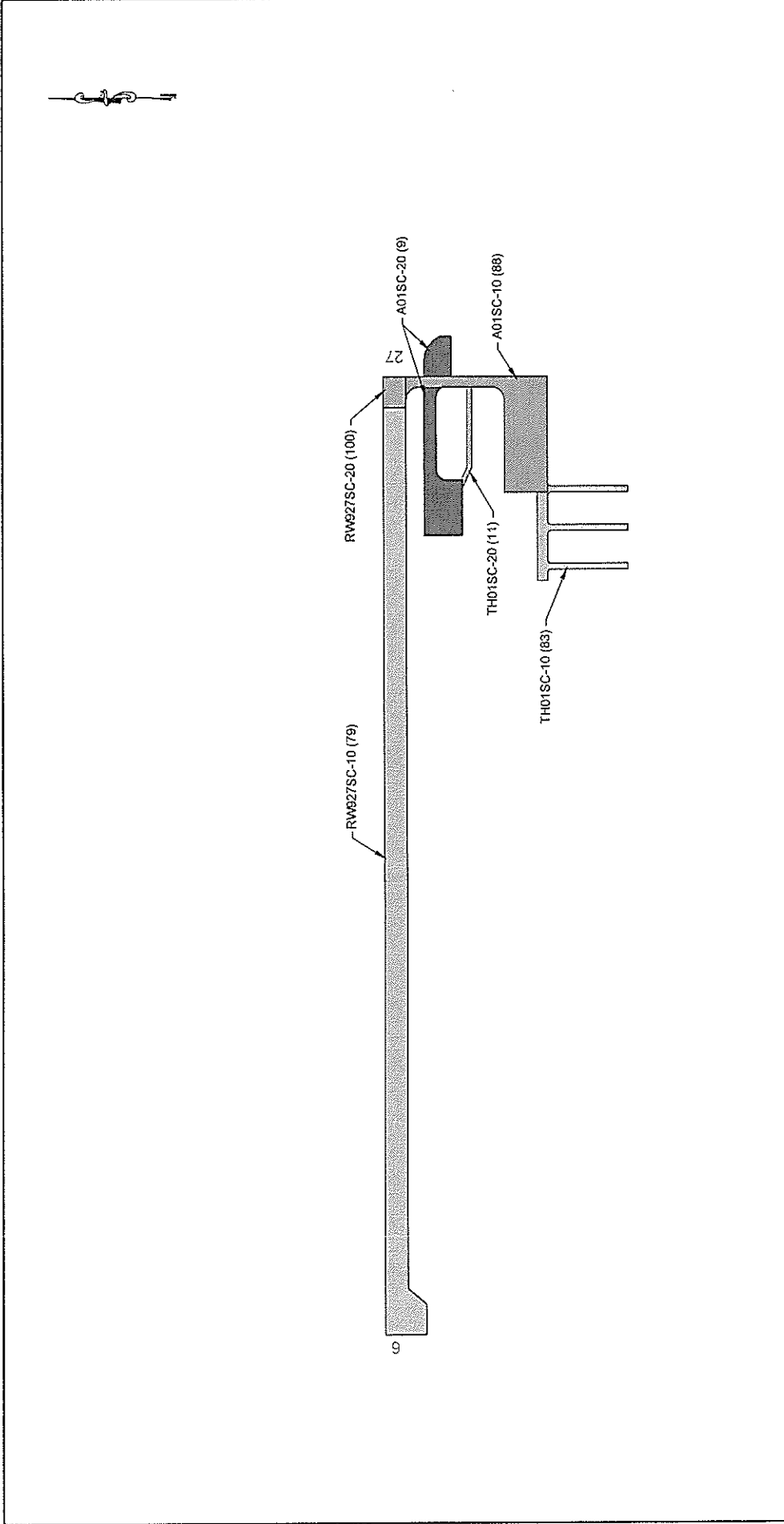
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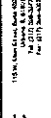
| ITEM NO | FAA SPEC | DESCRIPTION | QUANTITY | UNITS | UNIT PRICE | TOTAL |
|---|----------|--|----------|-------|-------------|--------------------|
| 1 | L-106 | REFURBISH EXISTING WIND TEE AND SEGMENTED CIRCLE | 1 | LS | \$11,500.00 | \$11,500.00 |
| 2 | L-101 | AIRPORT ROTATING BEACON | 1 | LS | \$3,500.00 | \$3,500.00 |
| 3 | M-100 | MAINTENANCE AND PROTECTION OF TRAFFIC | 1 | LS | \$6,000.00 | \$6,000.00 |
| 4 | M-200 | MOBILIZATION (4% MAXIMUM) | 1 | LS | \$1,300.00 | \$1,300.00 |
| CONSTRUCTION COST | | | | | | \$22,000.00 |
| DESIGN ENGINEERING & ADMINISTRATION (10%+/-) | | | | | | \$2,000.00 |
| CONSTRUCTION INSPECTION & ADMINISTRATION (12%+/-) | | | | | | \$3,000.00 |
| TOTAL PROJECT COST | | | | | | \$27,000.00 |

JUSTIFICATION

The beacon and wind tee are both in need of repair.

This project is not expected to cause any significant environmental impacts and should fall under a categorical exclusion.




applied pavement
 TECHNOLOGY

PROJECT: Sandusky City Dept of Transportation
 Sandusky City Airport
 Sandusky, MI

DATE: 2011
 PROJECT NUMBER: 2011-01
 DRAWING NUMBER: 2011-01-01

SCALE: 1" = 300'
 DATE: OCT 2011
 DRAWN BY: TMM
 CHECKED BY: TMM
 PROJECT ENGINEER: TMM

SHEET: 8 OF 8

| LEGEND | |
|--------|------------|
| | RW927SC-10 |
| | RW927SC-20 |
| | TH01SC-10 |
| | TH01SC-20 |
| | A01SC-10 |
| | A01SC-20 |

| PAVEMENT CONDITION INDEX | |
|--------------------------|------------------------|
| 100 | PREVENTIVE MAINTENANCE |
| 95 | MAJOR RECONSTRUCTION |
| 70 | RECONSTRUCTION |
| 55 | |
| 40 | |
| 25 | |
| 10 | |
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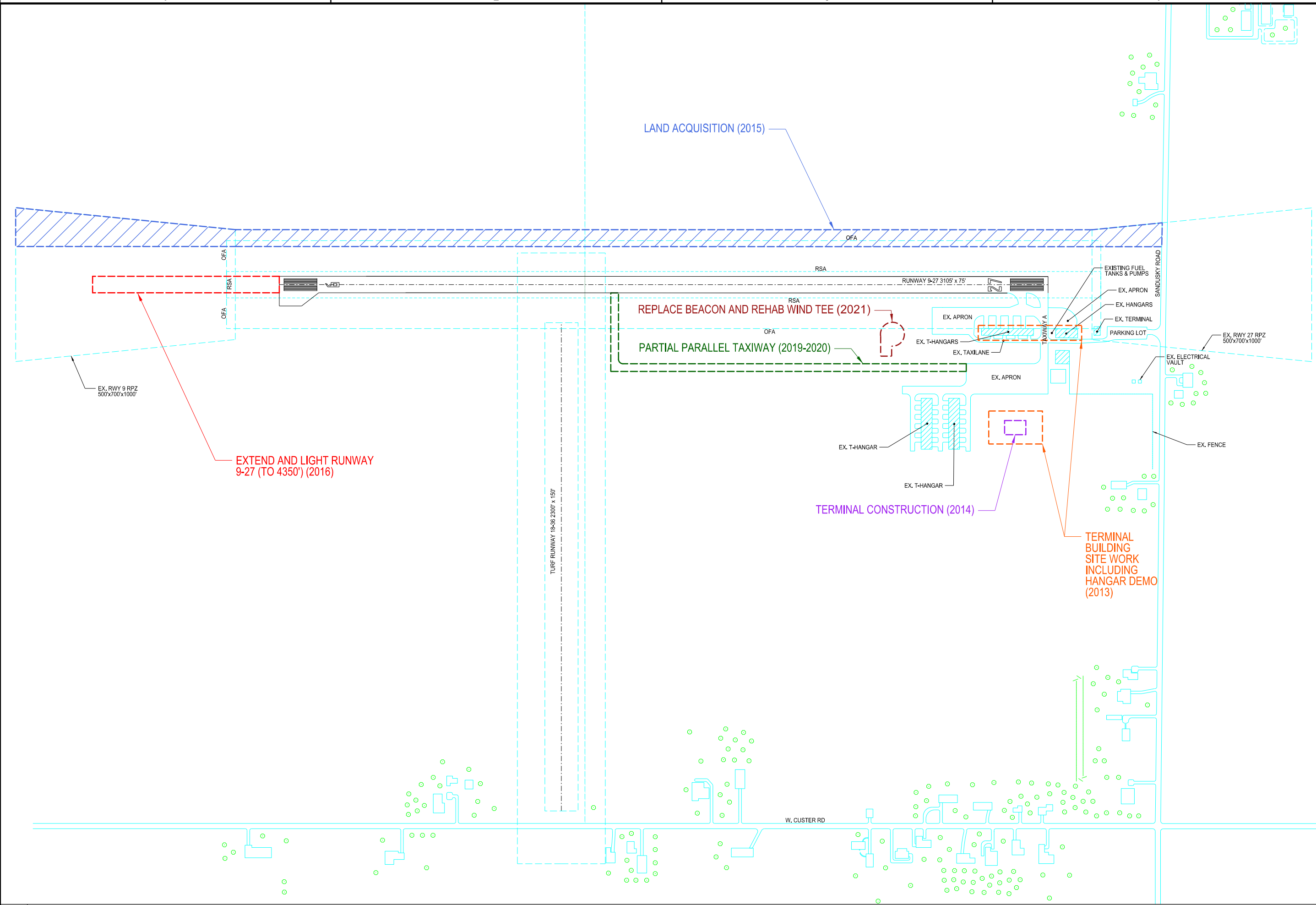
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| MARK | DESCRIPTION | DATE |
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| PROJECT MGR: RJK | DESIGNED BY: KJJ | CHECKED BY: KJJ |
| DATE: MAY 2011 | SCALE: AS SHOWN | |
| PROJECT NO: 121MKT | CADD FILE NO: 121MKT_ | |

SANDUSKY CITY AIRPORT
 CITY OF SANDUSKY
 SANDUSKY, MI

SANDUSKY CITY AIRPORT
ACIP

SHEET REFERENCE NO.
1
 SHEET 1 OF 1

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