

# MICHIGAN AIRPORT DEVELOPMENT PROGRAM

## AIP CAPITAL IMPROVEMENT PLAN 2012-2022

### FEDERAL/STATE/LOCAL Assuming Non-Primary Status



## DELTA COUNTY AIRPORT

### Escanaba, Michigan

Date of Latest ALP - **2008**  
ACIP Airport Code - **B**  
Airport Identifier - **ESC**

MDOT-AERO  
2700 E AIRPORT SERVICE DRIVE  
LANSING, MICHIGAN 48906

Prepared by: URS Corporation  
Sponsor: County of Delta  
Submitted by: Connie Ness  
Date: August 3, 2011

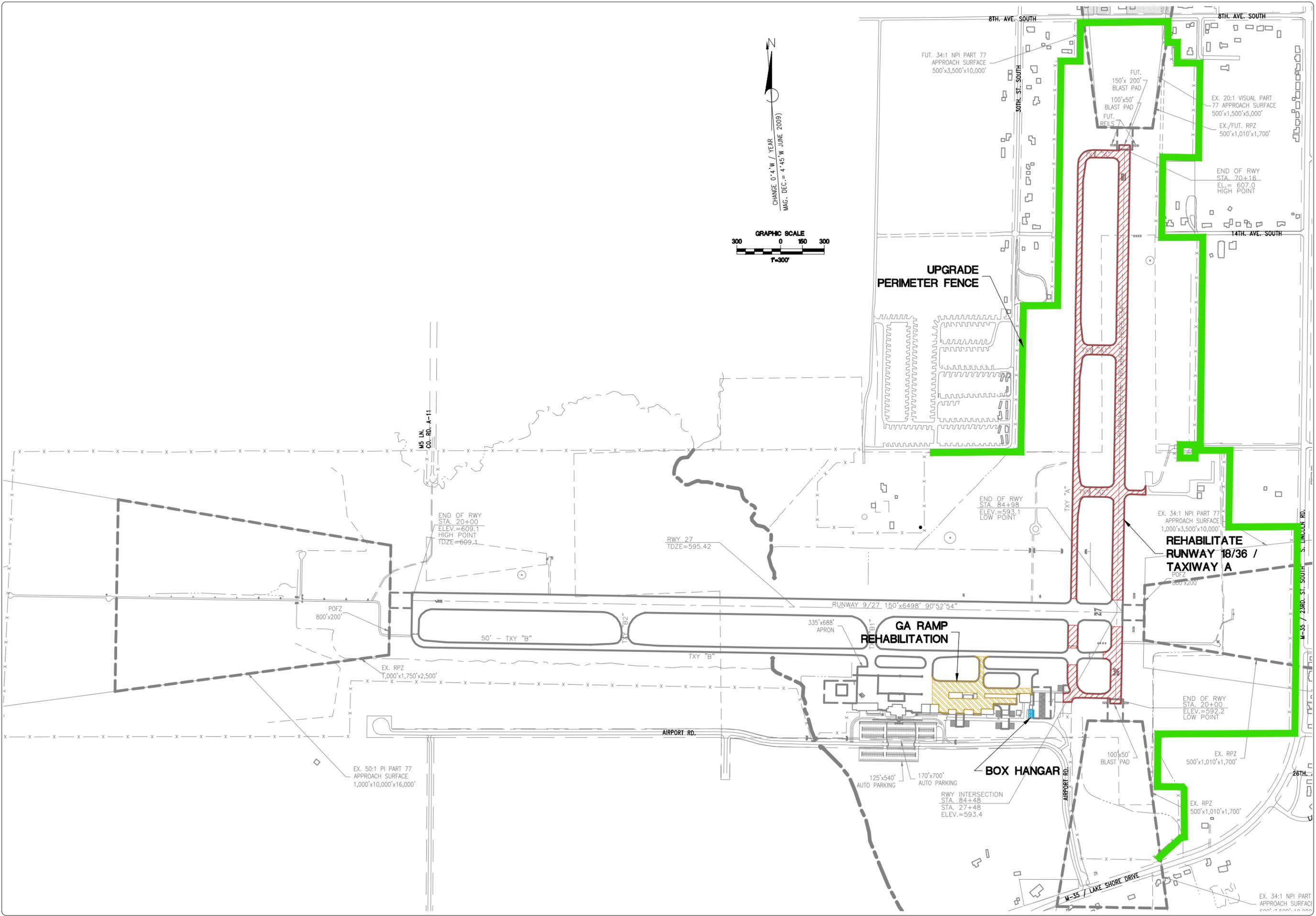
**TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2012 to FY-2022 - Non-Primary with MI Block Grant**

**DELTA COUNTY AIRPORT ESC**

Year	Project Description	Cost*	Remarks/Item Justification
2012	Available Federal Entitlements (NPE) \$120,000 (-\$30,000 Carryover from 2011)		
	Design: GA Ramp Reconstruction	\$ 60,000	See following year for description.
	<b>Fed \$57,000 - State \$1,500 - Local \$1,500 - Total \$60,000</b>		Carryover \$63,000
2013	Available Federal Entitlements (NPE) \$213,000		
	Construct: GA Ramp Reconstruction	\$ 753,000	The GA apron pavement was originally constructed in 1977, was subsequently maintained and rehabilitated, but is currently in very poor condition. PCI from draft 2010 report is 25 for the majority of the area and shows that full reconstruction is needed. The area east of the connector was built in 1989, was subsequently maintained and rehabilitated, but has a PCI of 61 based upon the Draft 2010 PCI report. Due to pavement life and adjacent pavement condition, this area is scheduled for full reconstruction. This project was originally scheduled for 2011, but has been put off due to limited funding. Further delays to this project may require temporary fixes and an increase in total cost.
	<b>Fed \$715,350 - State \$18,825 - Local \$18,825 - Total \$753,000</b>		Funds in addition to NPE are needed for this year.
2014	Available Federal Entitlements (NPE) \$150,000		
	Snow Removal Equipment - Plow Truck	\$ 528,000	Existing equipment is over 20 years old and needs replacement
	RPZ - Land Acquisition	\$ 113,000	Portions of the RPZs are not owned in fee by the airport. Easements will be purchased to allow control over these areas.
	<b>Fed \$608,950 - State \$16,025 - Local \$16,025 - Total \$641,000</b>		Funds in addition to NPE are needed for this year.
2015	Available Federal Entitlements (NPE) \$150,000		
	Pavement Marking and Crack Sealing	\$ 110,000	In order to extend pavement life, crack sealing is anticipated (Last 2009). In order to keep markings visible for Part 139 operation, remarking is anticipated (Last 2009).
	<b>Fed \$104,500 - State \$2,750 - Local \$2,750 - Total \$110,000</b>		Carryover \$45,500
2016	Available Federal Entitlements (NPE) \$195,500		
	Rehabilitate Runway 9/27 Lighting and Signage	\$ 247,000	Revise existing signs and MI runway lighting to LED to save energy.
	<b>Fed \$234,650 - State \$6,175 - Local \$6,175 - Total \$247,000</b>		Funds in addition to NPE are needed for this year.
2017	Available Federal Entitlements (NPE) \$150,000		
	Rehabilitate Runway 18/36 Pavement and Lighting	\$ 2,111,000	Rehabilitate Runway pavement and lighting that were last constructed in 1994/1995.
	Rehabilitate Taxiway A	\$ 1,354,200	Rehabilitate Taxiway that was constructed in 2001
	<b>Fed \$3,291,940 - State \$86,630 - Local \$86,630 - Total \$3,465,200</b>		Funds in addition to NPE are needed for this year.
2018	Available Federal Entitlements (NPE) \$150,000		
	Replace ARFF Vehicle	\$ 583,000	Existing vehicle is 20 years old and needs to be replaced.
			1
	<b>Fed \$553,850 - State \$14,575 - Local \$14,575 - Total \$583,000</b>		Funds in addition to NPE are needed for this year.
2019	Available Federal Entitlements (NPE) \$150,000		
	Snow Removal Equipment - Tractor	\$ 411,000	Existing equipment is over 20 years old and needs replacement
	<b>Fed \$390,450 - State \$10,275 - Local \$10,275 - Total \$411,000</b>		Funds in addition to NPE are needed for this year.
2020	Available Federal Entitlements (NPE) \$150,000		
	Expand SRE Building	\$ 598,000	SRE building needs expansion to hold new equipment. Equipment and building size was previously approved.
	<b>Fed \$568,100 - State \$14,950 - Local \$14,950 - Total \$598,000</b>		Funds in addition to NPE are needed for this year.
2021	Available Federal Entitlements (NPE) \$150,000		
	Pavement Marking and Crack Sealing	\$ 164,000	In order to extend pavement life, crack sealing is anticipated (Last 2014). In order to keep markings visible for Part 139 operation, remarking is anticipated (Last 2014).
	<b>Fed \$155,800 - State \$4,100 - Local \$4,100 - Total \$164,000</b>		Funds in addition to NPE are needed for this year.
2022	Available Federal Entitlements (NPE) \$150,000		
	Box Hangar (Two 50'x50' Units)	\$ 169,000	There is a demand for additional aircraft storage at the airport. Hangar construction will allow a source of revenue generating for operating the airport.
	<b>Fed \$160,550 - State \$4,225 - Local \$4,225 - Total \$169,000</b>		Funds in addition to NPE are needed for this year.

\* Includes Federal Cost of 95%, State Cost of 2.5%, and Local Cost of 2.5%. When costs exceed available Federal Entitlements (NPE), additional funding will be needed from Federal Apportionment or Federal Discretionary funds.

M:\Projects\12939541\CADD\PS\YearPlan.dwg, Aug 03, 2011 10:42am Plotted by Jon Van Duinen  
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DATE	ISSUED FOR

D/E	JW	IN CHARGE
PM	MM	
SQC	DR	
QC	MM	
W. MALINOWSKI		

GRAND PAPER, INC.  
 9550 SPARKS DR. S.E.  
 616 674-8500



**ALP UPDATE**  
 ESCANABA, MICHIGAN



**Delta County Airport**  
 FLY FROM NEARBY

**CAPITAL IMPROVEMENT PLAN**

MICHIGAN SITE NO.	21-1
LOC ID	ESC

DRAWING  
**1 OF 1**

12939541

**MICHIGAN STATE BLOCK GRANT PROGRAM**  
**TEN-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2011\* to FY-2021**

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

Airport Name: <b>DELTA COUNTY AIRPORT</b>										Date prepared: 08-03-11	
Associated City: <b>Esanaba, Michigan</b>										Prepared By: <b>URS Corporation</b>	
Sponsor: <b>County of Delta</b>										Sponsor email address & phone: airport@deltacountymi.org (906) 786-4902	
Airport Identifier: <b>ESC</b>										<b>FINAL ACIP due to FAA: no later than 12/1/11</b>	
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.
<b>2012</b>	<i>Available Entitlements</i>				\$ 120,000	(\$150,000 NPE minus -\$30,000 NPE carryover from 2011.)					<i>Some 2012 funds will be used to complete fence in Fall of 2011</i>
	Design: GA Ramp Reconstruction	Yes	RE-AP-IM	62	\$ 57,000	\$ -		\$ 1,500	\$ 1,500	\$ 60,000	See following year for description.
					\$ -	\$ -	\$ -			\$ -	
	<i>Carryover</i>				\$ 63,000						
<b>2013</b>	<i>Available Entitlements</i>				\$ 213,000						The GA apron pavement was originally constructed in 1977, was subsequently maintained and rehabilitated, but is currently in very poor condition. PCI from draft 2010 report is 25 for the majority of the area and shows that full reconstruction is needed. The area east of the connector was built in 1989, was subsequently maintained and rehabilitated, but has a PCI of 61 based upon the Draft 2010 PCI report. Due to pavement life and adjacent pavement condition, this area is scheduled for full reconstruction. This project was originally scheduled for 2011, but has been put off due to limited funding. Further delays to this
	Construct: GA Ramp Reconstruction	Yes	RE-AP-IM	62	\$ 213,000	\$ 502,350		\$ 18,825	\$ 18,825	\$ 753,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2014</b>	<i>Available Entitlements</i>				\$ 150,000						Existing equipment is over 20 years old and needs replacement Portions of the RPZs are not owned in fee by the airport. Easements will be purchased to allow control over these areas.
	Snow Removal Equipment - Plow Truck	NA	ST-EQ-SN	48	\$ 150,000	\$ 351,600		\$ 13,200	\$ 13,200	\$ 528,000	
	RPZ - Land Acquisition	Yes	ST-LA-SZ	45	\$ -	\$ 107,350		\$ 2,825	\$ 2,825	\$ 113,000	
	<i>Carryover</i>				\$ -						
<b>2015</b>	<i>Available Entitlements</i>				\$ 150,000						In order to extend pavement life, crack sealing is anticipated (Last 2009). In order to keep markings visible for Part 139 operation, remarking is anticipated (Last 2009).
	Pavement Marking and Crack Sealing	Yes	SP-RW-IM	84	\$ 104,500	\$ -		\$ 2,750	\$ 2,750	\$ 110,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ 45,500						
<b>2016</b>	<i>Available Entitlements</i>				\$ 195,500						Revise existing signs and MI runway lighting to LED to save energy.
	Rehabilitate Runway 9/27 Lighting and Signage	Yes	SP-RW-LI	84	\$ 195,500	\$ 39,150		\$ 6,175	\$ 6,175	\$ 247,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2017</b>	<i>Available Entitlements</i>				\$ 150,000						Rehabilitate Runway pavement and lighting that were last constructed in 1994/1995. Rehabilitate Taxiway that was constructed in 2001
	Rehabilitate Runway 18/36 Pavement and Lighting	Yes	SP-RW-CO	89	\$ 150,000	\$ 1,855,450		\$ 52,775	\$ 52,775	\$ 2,111,000	
	Rehabilitate Taxiway A	Yes	RE-TW-CO	72	\$ -	\$ 1,286,490		\$ 33,855	\$ 33,855	\$ 1,354,200	
	<i>Carryover</i>				\$ -						
<b>2018</b>	<i>Available Entitlements</i>				\$ 150,000						Existing vehicle is 20 years old and needs to be replaced.
	Replace ARFF Vehicle	NA	SA-EQ-RF	98	\$ 150,000	\$ 403,850		\$ 14,575	\$ 14,575	\$ 583,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2019</b>	<i>Available Entitlements</i>				\$ 150,000						Existing equipment is over 20 years old and needs replacement
	Snow Removal Equipment - Tractor	NA	ST-EQ-SN	48	\$ 150,000	\$ 240,450		\$ 10,275	\$ 10,275	\$ 411,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2020</b>	<i>Available Entitlements</i>				\$ 150,000						SRE building needs expansion to hold new equipment. Equipment and building size was previously approved.
	Expand SRE Building	Yes	OT-BD-CO	26	\$ 150,000	\$ 418,100		\$ 14,950	\$ 14,950	\$ 598,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2021</b>	<i>Available Entitlements</i>				\$ 150,000						In order to extend pavement life, crack sealing is anticipated (Last 2014). In order to keep markings visible for Part 139 operation, remarking is anticipated (Last 2014).
	Pavement Marking and Crack Sealing	Yes	SP-RW-CO	89	\$ 150,000	\$ 5,800		\$ 4,100	\$ 4,100	\$ 164,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						
<b>2022</b>	<i>Available Entitlements</i>				\$ 150,000						There is a demand for additional aircraft storage at the airport. Hangar construction will allow a source of revenue generating for operating the airport.
	Box Hangar (Two 50'x50' Units)	Yes	ST-BD-MS	34	\$ 150,000	\$ 10,550		\$ 4,225	\$ 4,225	\$ 169,000	
					\$ -	\$ -				\$ -	
	<i>Carryover</i>				\$ -						







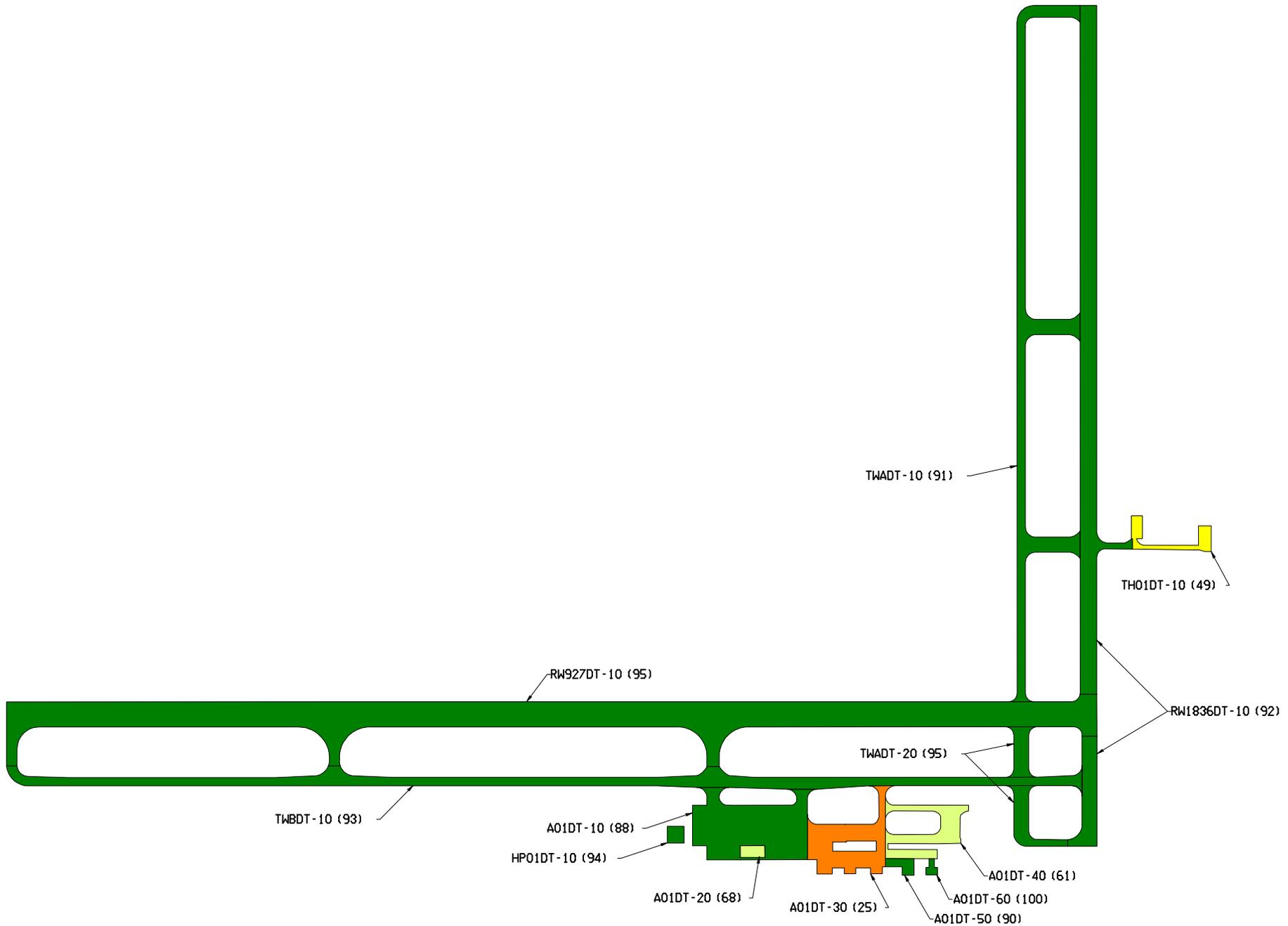












86-100

71-85

56-70

41-55

26-40

11-25

0-10