

**MICHIGAN AIRPORT DEVELOPMENT  
AID PROGRAM**

FEDERAL/STATE/LOCAL  
FOR

**OWOSSO COMMUNITY AIRPORT  
OWOSSO, MICHIGAN**



August 3, 2011  
Revised September 15, 2011  
For the years  
**2012 – 2022**

Submitted by:

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Richard Musson, Chairman, Shiawassee Airport Board

Prepared by:

***RS&H***

Reynolds, Smith and Hills, Inc.  
G-3101 W. Bristol Road  
Flint, Michigan 48507

**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: Owosso Community Airport	Airport Identifier: RNP	Date prepared: 7/12/2011 Rev. 9/15/11
Associated City: Owosso , Michigan		Prepared By: RS and H BA/DJ
Sponsor: Shiawassee Airport Board	Airport Code: B	Sponsor email address & phone: <a href="mailto:owossocommunityairport@verizon.net">owossocommunityairport@verizon.net</a> 989-725-1969
		Tim Harwood, Airport Manager

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	Construct T-Hangar 2	Yes	ST BD MS	32	\$370,500			\$9,750	\$9,750	\$390,000	Hangar is necessary to provide source of revenue and to accommodate demand
	Beacon Tower	Yes	ST OT IN	42	\$42,750			\$1,125	\$1,125	\$45,000	The existing tower is unsafe and needs rehabilitation or replacement.
2013	Taxistreet #11 (West)	Yes	CA TW CO	59	\$142,500			\$3,750	\$3,750	\$150,000	Taxiway is necessary to provide access to the next two rows of box hangars.
2014	Update ALP	NA	PL PL MA	66	\$90,250			\$2,375	\$2,375	\$95,000	The last update to the ALP was in 1990. Only 3 sheets of the ALP are in CAD
2015	SRE Snow Blower	NA	ST EQ SN	47	\$85,500			\$2,250	\$2,250	\$90,000	The present equipment cannot perform its intended purpose and needs to be replaced.
2016	Perimeter Fencing Phase 1	Yes	ST EQ SE	41	\$150,100			\$3,950	\$3,950	\$158,000	Fencing is required to prevent runway incursions by vehicles, pedestrians, and wildlife
2017	Perimeter Fencing Phase 2	Yes	ST EQ SE	41	\$150,100			\$3,950	\$3,950	\$158,000	Fencing is required to prevent runway incursions by vehicles, pedestrians, and wildlife
2018	Preventative Maintenance of Airfield Pavements	Yes	RE RW IM	70	\$150,100			\$3,950	\$3,950	\$158,000	Scheduled maintenance and pavement marking will be required
2019	Expand Fuel Service w/ Jet A	NA	OT OT FF	19	\$95,000			\$2,500	\$2,500	\$100,000	The addition of Jet A will allow the sponsor to fuel aircraft presently using the airfield
2020	Perimeter Fencing Phase 3	Yes	ST EQ SE	41	\$150,100			\$3,950	\$3,950	\$158,000	Fencing is required to prevent runway incursions by vehicles, pedestrians, and wildlife
2021	Expand Apron West	Yes	CA AP EX	46	\$150,000	\$192,100		\$3,950	\$3,950	\$350,000	Additional hold space
2022	Construct T-Hangar 3 Phase 1 Design & Site Prep	Yes	ST BD MS	32	\$79,990			\$2,105	\$2,105	\$84,200	Hangar is necessary to provide source of revenue and to accommodate demand
2023	Construct T-Hangar 3 Phase 2	Yes	ST BD MS	32	\$237,500			\$6,250	\$6,250	\$250,000	Construction in Spring, 2020
2024	Preventative Maintenance of Airfield Pavements	Yes	RE RW IM	70	\$150,100			\$3,950	\$3,950	\$158,000	Scheduled maintenance and pavement marking will be required
	<b>TOTAL</b>				<b>\$2,044,490</b>	<b>\$192,100</b>	<b>\$0</b>	<b>\$53,805</b>	<b>\$53,805</b>	<b>\$2,344,200</b>	

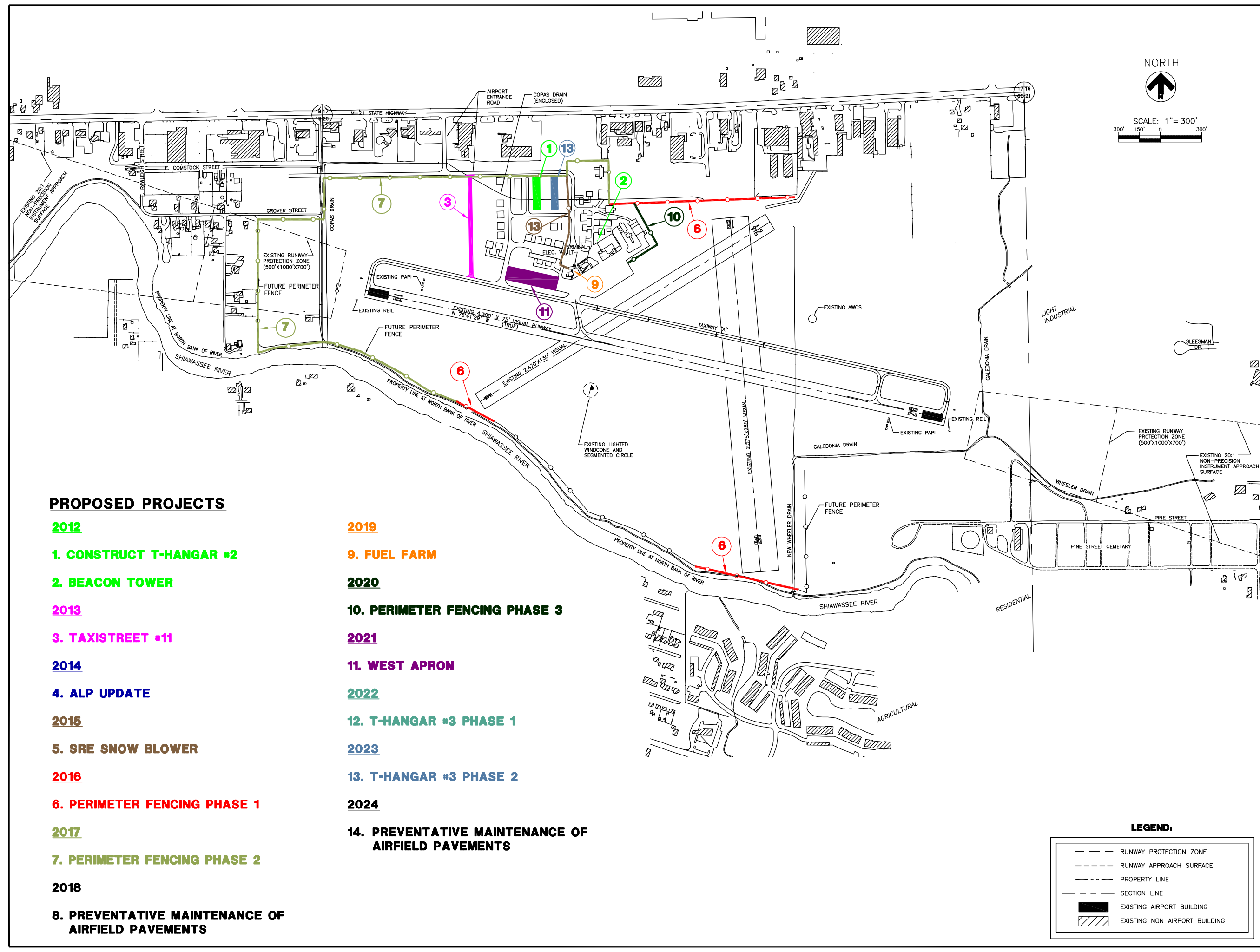
\*\*In accordance with FAA Order 5100.39A, Appendix 6 - Fields need to be completed

**REVISIONS**

NO.	DESCRIPTION	DATE

DATE ISSUED: 07-12-11  
REVIEWED BY: RTA  
DRAWN BY: DMJ  
DESIGNED BY: DMJ

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**SHEET TITLE**  
**AIRPORT 10 YEAR CIP**  
**SHEET NUMBER**



**PROPOSED PROJECTS**

- |  |  |
|--|--|
| <p><b>2012</b></p> <p><b>1. CONSTRUCT T-HANGAR #2</b></p> <p><b>2. BEACON TOWER</b></p> <p><b>2013</b></p> <p><b>3. TAXISTREET #11</b></p> <p><b>2014</b></p> <p><b>4. ALP UPDATE</b></p> <p><b>2015</b></p> <p><b>5. SRE SNOW BLOWER</b></p> <p><b>2016</b></p> <p><b>6. PERIMETER FENCING PHASE 1</b></p> <p><b>2017</b></p> <p><b>7. PERIMETER FENCING PHASE 2</b></p> <p><b>2018</b></p> <p><b>8. PREVENTATIVE MAINTENANCE OF AIRFIELD PAVEMENTS</b></p> | <p><b>2019</b></p> <p><b>9. FUEL FARM</b></p> <p><b>2020</b></p> <p><b>10. PERIMETER FENCING PHASE 3</b></p> <p><b>2021</b></p> <p><b>11. WEST APRON</b></p> <p><b>2022</b></p> <p><b>12. T-HANGAR #3 PHASE 1</b></p> <p><b>2023</b></p> <p><b>13. T-HANGAR #3 PHASE 2</b></p> <p><b>2024</b></p> <p><b>14. PREVENTATIVE MAINTENANCE OF AIRFIELD PAVEMENTS</b></p> |
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**LEGEND:**

---	RUNWAY PROTECTION ZONE
---	RUNWAY APPROACH SURFACE
---	PROPERTY LINE
---	SECTION LINE
■	EXISTING AIRPORT BUILDING
▨	EXISTING NON AIRPORT BUILDING

**LOCATION: Owosso Community Airport**

Reynolds, Smith and Hills, Inc.  
Date Prepared: 14-Jul-2011  
Prepared By: dmj  
Page 1 of 1

**PROJECT DESCRIPTION:**  
T-Hangar #2

**PRELIMINARY PROJECT COST ESTIMATE**

File Name: T-Hangar 2010.xls

WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization/Safety	LSUM	1	\$10,000.00	\$10,000.00
Earth Excavation	CYD	1,500	\$7.00	\$10,500.00
24" RCP	LFT	100	\$60.00	\$6,000.00
6" Underdrain	LFT	520	\$12.00	\$6,240.00
Drainage Structure w/cover	EACH	1	\$1,500.00	\$1,500.00
6" Aggregate Base Course	CYD	300	\$35.00	\$10,500.00
3" Bituminous Surface	TON	150	\$70.00	\$10,500.00
Portland Cement Concrete Pavement	SYD	800	\$40.00	\$32,000.00
Turfing	SYD	750	\$1.50	\$1,125.00
Topsoil	CYD	35	\$10.00	\$350.00
10-Unit T-Hangar Building Complete	EACH	1	\$280,000.00	\$280,000.00
Subtotal				\$368,715.00
<b>Total Preliminary Construction Cost</b>				<b>\$368,715.00</b>
<b>PROFESSIONAL SERVICES</b>				
Construction Services	LS	1	\$21,000.00	\$21,000.00
<b>TOTAL ESTIMATED PROJECT COST</b>				<b>\$390,000.00</b>



**LOCATION: Owosso Community Airport**

Reynolds, Smith and Hills, Inc.  
Date Prepared: Rev. 7/27/2009  
Prepared By: RTA, DG  
Page 1 of 1

**PROJECT DESCRIPTION:**  
Installation of Fencing (Partial)

**PRELIMINARY PROJECT COST ESTIMATE**

File Name: fencecost2.xls

WORK ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
Mobilization	LSUM	1	\$15,000.00	\$15,000.00
Safety and Security	LSUM	1	\$1,200.00	\$1,200.00
6' High Security Fence	LFT	6,200	\$15.00	\$93,000.00
10' High Wildlife Fence	LFT	600	\$18.00	\$10,800.00
6' High Security Gate - 20' Length	EACH	2	\$1,500.00	\$3,000.00
Clear and Grub - Heavy Brush	ACRE	0.30	\$2,500.00	\$750.00
Clear and Grub - Light Brush	ACRE	1.50	\$1,000.00	\$1,500.00
				Subtotal \$125,250.00
				15% Contingency <u>\$12,525.00</u>
				<b>Total Preliminary Construction Cost \$137,775.00</b>
<b>PROFESSIONAL SERVICES</b>				
Design Services	LS	1	\$13,777.50	\$13,777.50
Construction Services	LS	1	\$6,888.75	\$6,888.75
<b>TOTAL ESTIMATED PROJECT COST</b>				<b>\$158,441.25</b>