West Michigan Airport Authority

Meeting Agenda

November 13, 2017

11:30am – 1:00pm

Airport Business Center, 60 Geurink Boulevard, Main Conference Room (Holland)

1. Public Comments.
2. Recognition.
3. Consideration of the October 9, 2017 meeting minutes. (Action Requested)
4. FBO Report. (Terry Boer)
5. Millage Renewal Results.
6. Demolition Bids for Former Office Building. (Action Requested)
7. Five - Year Capital Plan Update (Action Requested)
8. Communications Committee Report. (Karen Scholten)
9. Project Updates:
   A. E. Connector project.
   B. Crack sealing project.
   C. Site Plan Review:
   D. Fence Repair.
   E. FAA Land Release Progress.
10. Financial Reports.
11. Other Business.
12. Next meeting: December, 11 2017, at the Airport Business Center.

If you are not able to attend the meeting, please contact Greg Robinson (g.robinson@wmairportauthority.com) or Aaron Thelenwood (a.thelenwood@cityofholland.com). We must have at least one of the three representatives of each unit of government present at the meeting to attain a quorum. Thank you.

West Michigan Airport Authority

Meeting Minutes

September 11, 2017

11:30am – 1:00pm

Airport Business Center, 60, Geurink Blvd.

PRESENT: Authority Members: Corbin, Matthyse, Blanton, Klynstra, Keeter, Sylte, Haverdink, Hoogland

ABSENT: Whiteman

Others Present: FBO Boer, Authority Manager Robinson, Authority Assistant Manager Thelenwood, Communications Coordinator Scholten

Board Member Sylte called the meeting to order at 11:30 a.m.

17.09.01 Public Comments.

17.09.02 Consideration of the July 31st, 2017 meeting minutes.

Approval of the meeting minutes was moved by Klynstra and supported by Keeter. This motion was unanimously adopted.

17.09.03 FBO Report.

Fuel sales are up 30% over July. Wings of Mercy pancake breakfast was well attended; one of the best to date in this regard.

17.09.04 Communications Committee Report

"Ascent" Launch party is scheduled tentatively for October 30th in celebration of the Airports 30th anniversary in public ownership.

17.09.05 Proposal for Preparing FAA Land Release Submittal

The Authority Board has received a presentation regarding a strategy for developing certain properties at the airport. The Building & Development Committee has been working on this strategy and urgency was given to it when a company expressed interest in purchasing a portion of airport property.

The company remains interested in developing on airport property, however, the company is not an airport-related use, so a release of the property by the Federal Aviation Administration is necessary in order for this to occur. The company owner is interested in a portion of Parcel K which is located along the north side of 64th

Street, east of the railroad tracks. Parcel K, as well as the other parcels in the strategy, are shown in the attachment to this report.

There is a process involved in requesting a FAA land release that involves a property appraisal, survey, environmental clearance and rationale for the release. Airport consultant Mead & Hunt is familiar with the process and is submitting a proposal for conducting this work on behalf of the Authority. They have been asked to submit proposals for Parcel K, for Parcels K and F, and for Parcels K, F and J.

Quoted price for assessment of all properties, and relevant FAA land releases, to be performed by the airports Consultant (Mead & Hunt) came in around $80,000. The airport authority will explore alternative options to secure a lower cost for this work. No action taken at this time.

17.09.06 Fiscal year 2017 Audit Preparation Proposal

Rehmann Robson will begin the Fiscal Year (FY) 2017 financial audit of the West Michigan Airport Authority September 18th. The Authority contracts with the City of Holland for financial services and the City staff will work closely with Rehmann to provide the information necessary for this audit. The objective of the audit is the expression of opinions as to whether the Authority's basic financial statements are fairly presented in conformity with standard accounting principles.

The FY 2016 audit demonstrated the sound financial position of the Authority and reaffirmed the Authority as an excellent steward of the finances provided by various revenue sources; including: the taxpayers of Park Township and the cities of Holland and Zeeland. The audit noted a fund balance of $1,170,355 as of June 30, 2016 and that assets exceed liabilities by $7,169,115, all expenditures were within budgeted amounts, and that the Authority did not have any debt at that time, among other positive findings.

The cost of performing the FY 2017 Audit will be *$7,400.00* (an increase of $100.00 over last year) and will be paid in two installments:

- **Payment 1**: *$6,660.00* (Due October 9th, 2017)
- **Payment 2**: *$740.00* (Due upon issuance of Report)

The Airport Authority budgeted $7,600.00 for Contractual Auditing expenses and the fees for the audit will come out of this line item.

Motion to commence annual audit was made by Matthyse, supportd by Klynstra and approved unanimously.

17.09.07 Project Updates

- East Connector Project will begin September 11th and is slated to last a total for 2 weeks.

- Crack Sealing contractor has been selected and approved previously by the airport authority. Authority is currently awaiting confirmation of timeline from Crack Sealing Consultant.

- Fireplace mantel has been installed in Airport Business Center lobby. MOSS is in the final stages of programming Bright Author Systems on the front desk TV's. There are issues with the coding on the units preventing the display of Flight Aware, weather, and newsfeed. MOSS is working to resolve this issue. Regarding the webcam install at the airport, generally other airports in our region don't have public access webcams due to concerns over display of airplane tail numbers. Staff is working with tech support to find a trial setup option for the webcam before going live.

- Elzinga & Volkers has been retained as project manager for the entryway improvement project which incudes demolition of the former office building. E&V will be working to secure contractors to perform hazardous waste testing in the old building before scheduling demolition. Demo is tentatively slated for the end of October.

17.09.08 Airport Development Plan Update

There is an interested party looking at developing one of the parcels of land currently owned by the Airport Authority. Discussions are ongoing regarding which parcel will be selected and obtaining FAA land release approvals.

17.09.09 Millage Renewal Update

17.09.10 Financial Reports

17.09.11 Other Business

17.09.12 Next Meeting: September 11th at Airport Business Center

17.09.13 Adjourn – 12:33pm

Minutes Approved:_____

(Secretary)

Date:_____

WMAA MONTHLY FBO REPORT

Total Fuel Gallons Delivered	Current Month	One Year ago	Fiscal Year To Date	F/Y to Date Compared
	Oct-17	oct. 2016	10-1-17 to 9-30-18	2017
	56,754	51,279	56,754	5,475

Transplant Flights	0
Wings Of Mercy Flights	3
Freight Flights From/To Holland	7
FREIGHT WEIGHT	5875#
NUMBER OF PARTS IF KNOWN	9 skids + 62 boxes

West Michigan Airport Authority
60 Geurink Boulevard, Holland, MI 49423
P (616) 368-3023
Comprising City of Zeeland, Park Township and City of Holland

November 13, 2017

To: West Michigan Airport Authority Board.
From: Greg Robinson, Airport Authority Manager.
Subject: Millage renewal results.

On November 7, 2017, the voters in Park Township, the City of Zeeland and the City of Holland approved a .10 millage renewal for the West Michigan Airport Authority for a 10 year period. This millage renewal will expire on December 31, 2027.

The vote was very positive in support of the Authority: 72% approval in the City of Holland, 68% in the City of Zeeland, and 64% in Park Township.

The Airport Authority can be confident now in the financial support for a portion of the annual operating budget and in its ability to provide the local match to available federal and state grants for necessary capital project. This is truly a great opportunity for the Authority to continue its goal of providing this community with state-of-the-art global air access.

Thank you to all who worked to provide information to the public on the millage renewal and the value of this airport to West Michigan. There are many to thank and this report cannot do justice to the appreciation felt by the Authority Board and staff for everyone's efforts.

Recommendation

It is recommended that the Authority Board accept this report as information.

West Michigan Airport Authority
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November 13, 2017

To: West Michigan Airport Authority Board.
From: Aaron Thelenwood, Airport Authority Assistant Manager.
Subject: Demolition Bids for Former Office Building.

The Airport Authority has retained the services of Elzinga & Volkers to serve as Project Manager for the demolition of the airport's former Terminal/Office building located at the entryway of Geurink Blvd. The scope of this project includes the demolition of the former office building, restoration of the building's foundation, removal of shrubs surrounding the building, removal of the old Tulip City Air Service sign on South Washington, removal of the walkway connecting the former office building to the runway, and proper disposal of all demolition materials. Based on these parameters the apparent lowest bid is from Pitsch Enterprises at **$11,275.**

The bid does not include costs for utility disconnection and re-wiring of parking-lot light fixtures tied in through the former office building's circuit box. These services will be contracted out independently through the Holland Board of Public Works (for utilities) and through an electrician selected by our Project Manager. Some of these costs have yet to be determined; however, based on estimates from E&V, we anticipate the project to come in around $29,400 total.

This project (including demolition and utility disconnects) is anticipated to take about 7 days to complete.

Recommendation

It is recommended that the Board accept these bid documents and approve award of the bid for demolition of the former office building to Pitsch Enterprises.

Attachment: WMRAA – Building Demo Bid Tabulation; Building Demo Project Estimate; Soil Erosion & Sedimentation Plan; Topographical Survey.

ELZINGA & VOLKERS
CONSTRUCTION PROFESSIONALS

BID TABULATION
WMRAA - Building Demo

Bid Package Number: 02400
Bid Package Description: Selective Demolition

	Company	Melching Inc.		Pitsch Enterprises		Specialized Demolition		Elzinga & Volkers		Xtreme Demolition	
	Contact	Brandon Murphy		Brandon Pitsch		Dan Van Der Hulst		Tom DeJonge		Ryan Pitsch	
	Phone #	(616) 837-1214		(616) 889-8904		(269) 751-4452		(616) 218-2712			
	Email	brandonmurphy@melchingdemo		brandon.pitsch@pitschenterprise		dan@specializeddemolition		tdejonge@elzinga-volkers.		ryanp@xtremedemolition.c	
	Included Addenda	N/A		N/A		N/A		N/A		N/A	
	Bid Bond	N/A		N/A		N/A		N/A		N/A	
	Base Bid	**$16,900**		**$11,275**		**$11,500**		**$18,075**			
		Add to Total? (Y/N)	**Value**	**Add to Total? (Y/N)**	**Value**	**Add to Total? (Y/N)**	**Value**	**Add to Total? (Y/N)**	**Value**	**Add to Total? (Y/N)**	**Value**
Bid Adjustments / Clarifications	**Demo building, foundation, crawl space, concrete walks, shrubs**		Included		Included		Included		Included		
	Provide engineered fill with 4" topsoil		Included		Included		Included		Included		
	Grass seeding w/ mulch and/or matting		Included		Included		Included		Included		
	Install all SE/SC temporary measures per C-101 & remove at completion		Included		Included		Included		Included		
	Provide inlet sediment traps at all catch basins		Included		Included		Included		Included		
	Permits & State notifications		Included		Included		Included		Included		
	Exclusions:										
	Utility disconnects		Excluded		Excluded		Excluded		Excluded		
	Trees are to remain		Excluded		Excluded		Excluded		Excluded		
	Parking Lot Demo Scope		Excluded		Excluded		Excluded		Excluded		
	Asbestos Removal		Excluded		Excluded		Excluded		Excluded		
	Bid Adjustment Total		**$0**		**$0**		**$0**		**$0**		
	Total W/ Adjustments		**$16,900**		**$11,275**		**$11,500**		**$18,075**		
	Apparent Low (Mark with "X")										
	Notes										

ELZINGA & VOLKERS
CONSTRUCTION PROFESSIONALS

West Michigan Regional Airport Authority
Building Demolition

11/6/17

Work Item	Current Estimate	Notes
Demolish Building & Landscape Improvements		
Topographic Survey / Civil & Site Plan	$ 2,350	Driesenga & Associates
Asbestos Abatement	$ 900	MicroAir Consulting
Building Demolition & Site Restoration	$ 11,275	
Plumbing Disconnnects (T&M - Estimated 1 day)	TBD	Macatawa Plumbing
Electrical Disconnects (T&M - Estimated 1 day)	TBD	Parkway Electric
BPW Disconnects (Actual Cost)	TBD	
Parking Lot Improvements	Excluded	
Landscaping & Irrigation	Excluded	
General Conditions / Site Supervision	$ 1,150	
Construction Management Fee - Lump Sum	$ 7,500	
Construction Contingency - 10%	$ 2,318	
TOTAL	**$ 25,493**	

ALTERNATES		

Notes:

LOCATION MAP – NO SCALE

LEGAL DESCRIPTION
FROM: ALLEGAN COUNTY GIS
PARCEL NUMBER.: 53-02-08-300-028

ALL OF SW 1/4 EC THAT PT WHICH LIES N'LY OF A LN DESC AS FOLLOWS: BEG AT A PT ON W LINE OF SEC 8 WHICH IS S 01DEG52'00"E A DIST OF 71.97' FROM W 1/4 COR OF SD SEC; TH N 88DEG46'51"E A DIST OF 697.33'; TH N 79DEG37'54"E 1954.16' TO A PT OF ENDING ON THE N/S 1/4 LN OF SD SEC 8 WHICH IS S01DEG57'36" E A DIST OF 411.97' FROM CENTER POST OF SD SECTION. ALSO EX THAT PART TAKEN USED OR DEEDED FOR STREET SEC 8 T4N R15W.

STORM STRUCTURE DATA

CB #1 - 2'Ø CONCRETE
RIM 679.24
INV (S) 8" PVC=676.29
SUMP=676.24
(FILLED WITH WATER - NO OTHER PIPES VISIBLE)

CB #2 - 2'Ø CONCRETE
RIM 679.44
INV (E) 6" PVC=677.84
INV (N) 8" PVC=676.79
SUMP=676.79

CB #3 - 2'Ø CONCRETE
RIM 681.60
INV (S) 6" CPP=679.80
INV (NE) 4" CPP=679.90
SUMP=677.90

CB #4 - 2'Ø CONCRETE
RIM 680.81
INV (W) 8" PVC=679.06
SUMP=677.21

SANITARY STRUCTURE DATA

MH-A - 4'Ø CONCRETE
RIM 681.20
INV (S) 4" PVC=676.05
INV (SE) 4" PVC=676.05
INV (E) 4" PVC=676.05
INV (NW) 6" PVC=675.90

BENCHMARK DATA

NAVD '88 AS DERIVED FROM GPS OBSERVATIONS UTILIZING VRS CONUS 12B

BM #1 EL= 682.58' (NAVD '88 DATUM)
CUT "X" IN 2' DIA. LIGHT POLE BASE, LOCATED 8.3'± SOUTHEAST OF SOUTHERLY BACK OF CURB OF WASHINGTON AVENUE, 79'± SOUTHWEST OF TULIP CITY AIRPORT SIGN, AND 36'± NORTHWEST OF NORTHWEST CORNER OF ASPHALT PARKING LOT.

BM #2 EL= 681.04' (NAVD '88 DATUM)
CUT "X" ON SOUTHERLY BACK OF CURB OF GEURINK BOULEVARD, LOCATED 22.7'± NORTH OF 6' CHAIN LINK FENCE CORNER, 66'± NORTHEAST OF NORTHWEST CORNER OF STEEL BUILDING, AND 107'± NORTHEAST OF TULIP CITY AIRPORT SIGN.

BM #3 EL= 681.19' (NAVD '88 DATUM)
CUT "X" IN CONCRETE SIDEWALK, LOCATED 5.5'± SOUTHWEST OF THE SOUTHWEST CORNER OF STEEL BUILDING, 134'± NORTH OF 6' CHAIN LINK FENCE CORNER, AND 85'± EAST OF HANDICAP PARKING SYMBOL.

CLEARING & DEMOLITION NOTES:

1. REMOVE ALL STRUCTURES, SUPPORT COLUMNS, FOOTINGS, ASPHALT PAVING, CONCRETE CURB, SIDEWALKS, CONCRETE PADS, TREES, STUMPS, HEDGES, UTILITIES, AND OTHER EXISTING SITE FEATURES WITHIN LIMITS OF DEMOLITION. ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE INDICATED AND DISPOSED OF IN A MANNER ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
2. MOVEMENT OF CLEARED WOOD IS RESTRICTED; REFER TO EMERALD ASH BORER QUARANTINE INFORMATION AT WWW.MICHIGAN.GOV. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL QUARANTINE REQUIREMENTS.
3. CONSTRUCTION FENCE SHALL BE PLACED AT THE DRIP LINE OF ALL TREES WITHIN THE PROJECT AREA THAT ARE INDICATED TO BE PROTECTED. DO NOT OPERATE EQUIPMENT OR STORE MATERIALS OR VEHICLES WITHIN THIS AREA.
4. UNLESS INDICATED TO BE ABANDONED IN PLACE, ALL UTILITIES TO BE DEMOLISHED SHALL BE REMOVED IN THEIR ENTIRETY. UTILITIES TO BE ABANDONED IN PLACE SHALL BE FILLED WITH FLOWABLE FILL AND SECURELY CAPPED.
5. EXCEPT FOR THOSE UTILITIES INDICATED TO BE ABANDONED OR REMOVED, RECONNECT ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION.
6. ANY REMOVAL OF PAVEMENT, SIDEWALK, CURB AND GUTTER OR OTHER HARD SURFACES SHALL BE TO A SAWCUT LINE AT THE NEXT JOINT BEYOND REMOVAL LIMITS SHOWN.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DAILY SWEEPING OF TRACKED MATERIALS FROM ALL ROADWAYS.
8. DEMOLITION WORK IS INDICATED BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL INSPECT THE SITE AND BE FAMILIAR WITH THE EXTENT OF DEMOLITION WORK REQUIRED.

SOILS: THE NATIONAL RESOURCES CONSERVATION SERVICE LABELS THE SOILS IN THIS AREAS AS BROOKSTON LOAM.

CONSTRUCTION SEQUENCE	OPERATION TIME SCHEDULE – FILL IN DATE											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
INSTALL EROSION CONTROLS												
BUILDING DEMOLITION												
FILLING												
SEEDING AND STABILIZATION												

SOIL EROSION & SEDIMENTATION CONTROL (SESC) NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE SESC PERMIT.
2. PLACE TEMPORARY SESC MEASURES AS INDICATED ON DRAWING PRIOR TO EARTH MOVING AND GRADING ACTIVITIES.
3. CONTRACTOR SHALL AVOID THE UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER.
4. INSPECT AND MAINTAIN ALL TEMPORARY SESC MEASURES AFTER STORM EVENTS AND AS NECESSARY TO ASSURE PROPER FUNCTION.
5. ALL SOIL STOCKPILES LEFT UNDISTURBED FOR MORE THAN 7 DAYS SHALL HAVE PERIMETER SILT FENCE. ALL SOIL STOCKPILES LEFT UNDISTURBED FOR MORE THAN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
6. DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED WITHIN 30 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
7. TEMPORARY SEEDING SHALL CONSIST OF OATS AND/OR BARLEY AT AN APPLICATION RATE OF 2.0 LBS/1000 SFT MINIMUM APRIL 1 THROUGH AUGUST 31, OR ANNUAL RYEGRASS AT AN APPLICATION RATE OF NOT LESS THAN 2.0 LBS/1000 SFT AUGUST 1 THROUGH NOVEMBER 15. IRRIGATE IF NECESSARY TO ESTABLISH TEMPORARY COVER.
8. TEMPORARY SESC MEASURES SHALL REMAIN IN PLACE UNTIL ALL PERMANENT SESC MEASURES ARE INSTALLED, AND VEGETATION IS UNIFORMLY ESTABLISHED. RE–GRADE, RE–SEED AND PLACE ADDITIONAL TOPSOIL IN ERODED AREAS AS NECESSARY UNTIL FINAL LANDSCAPING IS INSTALLED.
9. CONSTRUCTION OF SEDIMENT BASINS AND DIVERSION DITCHES SHALL BE COMPLETED PRIOR TO SITE CLEARING AND GRADING.
10. INSTALL INLET SEDIMENT TRAPS ("SILT SACK" OR EQUAL) IN ALL PROPOSED CATCH BASINS AS INDICATED ON THIS DRAWING. CLEAN INLET SEDIMENT TRAPS ON A WEEKLY BASIS AND AFTER RAIN EVENTS AS REQUIRED.
11. CONTRACTOR SHALL INSPECT AND CLEAN OUT ALL EXISTING AND PROPOSED STORM SEWER CATCHBASINS AND MANHOLES WITHIN THE PROJECT LIMITS, OR OUTSIDE THE PROJECT LIMITS IF SUBJECT TO CONSTRUCTION SITE RUNOFF, AS NECESSARY DURING CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE.
12. PLACE SILT FENCE ALONG DISTURBED AREAS WHERE SURFACE WATER WILL FLOW INTO EXISTING SWALES, DITCHES AND ADJACENT PROPERTIES. ANCHOR SILT FENCE TO PREVENT UNCONTROLLED RELEASE OF SILT LADEN WATER.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE DAILY SWEEPING OF TRACKED MATERIALS FROM ALL ROADWAYS.
14. THE SESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM MEASURES REQUIRED. DUE TO SITE ACTIVITIES AND SCHEDULES, ADDITIONAL MEASURES WILL LIKELY BE REQUIRED TO MAINTAIN SITE ACCORDING TO APPLICABLE STATE AND FEDERAL GUIDELINES AT NO ADDITIONAL COST TO THE OWNER.

6	SEEDING WITH MULCH AND/OR MATTING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED
36	CATCH BASIN, DRAIN INLET	COLLECTS HIGH VELOCITY CONCENTRATION RUNOFF MAY USE FILTER CLOTH OVER INLET
57		USES GEOTEXTILE FABRIC AND POSTS OR POLES. EASY TO CONSTRUCT AND LOCATE AS NECESSARY.

640 FT DISTANCE TO NEAREST NEAREST WATER BODY

0' 0.5' 1' 2'
SCALE: 1" = 1'

REMOVAL LEGEND:

- CONCRETE REMOVAL
- ASPHALT REMOVAL
- GRAVEL REMOVAL
- BUILDING REMOVAL
- TREE/SHRUB REMOVAL
- XXXXX FENCE/GUARDRAIL/WALL/UTILITY REMOVAL

LEGEND

EXISTING
- BENCHMARK
- STORM SEWER MANHOLE
- CATCH BASIN
- SANITARY SEWER MANHOLE
- CLEANOUT
- WELL HEAD
- FIRE HYDRANT
- SPRINKLER CONTROL VALVE
- SPRINKLER HEAD
- VALVE (WATER & GAS)
- GAS METER
- UTILITY RISERS
- UTILITY POLE
- LIGHT POLE
- GUY ANCHOR
- TRANSFORMER
- HAND HOLE (ELECTRIC)
- ELECTRIC METER
- GROUND MOUNTED LIGHT
- SIGN
- SOIL BORING
- BOLLARD POST
- POST
- GATE
- FENCE LINE
- OVERHEAD UTILITIES
- UNDERGROUND ELECTRIC
- COMMUNICATIONS
- TELEPHONE
- FIBER OPTIC
- GAS LINE
- EXISTING WATER LINE
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SILT FENCE

BITUMINOUS SURFACE | CONCRETE SURFACE | GRAVEL SURFACE

CONIFEROUS TREE | DECIDUOUS TREE | ORNAMENTAL BUSH

ISSUED FOR APPROVAL

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Grand Rapids, MI – 616–249–3800

REVISIONS

1	ISSUED FOR SESC PERMIT 11–2–17

WEST MICHIGAN REGIONAL AIRPORT
SEC. 08, T04N, R15W CITY OF HOLLAND, ALLEGAN CO.
ELZINGA & VOLKERS
86 EAST 6TH STREET
HOLLAND, MICHIGAN 49423

SOIL EROSION & SEDIMENTATION PLAN

Designed By: TMP
Drawn By: MJD
Checked By: TMP Date: 11/2/17
Plot:
Scale: 1"=20'
Date: 11–02–17
Job No.: 1710791.1A
Sheet No.: C-101
1 of 1

File Name: C:\Users\matthew.dom\Desktop\1710791.1A SITE – 1.dwg Last Saved: 11/2/2017 10:32:51 AM

PARTIAL TOPOGRAPHIC SURVEY

STORM STRUCTURE DATA

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LOCATION MAP – NO SCALE

SURVEY CONTROL

POINT NUMBER	NORTHING (ASSUMED)	EASTING (ASSUMED)	ELEVATION (NAVD '88)
50	458507.6705'	12653558.8627'	682.36'
51	458245.3213'	12653709.5433'	682.22'
52	458543.1077'	12653765.2968'	680.89'

LEGEND

	EXISTING
BENCHMARK	BM #1
SET CAPPED REBAR #47948	○
FOUND IRON	●
CONTROL POINT	▲
DESCRIBED	D=
MEASURED	M=
STORM SEWER MANHOLE	ST
CATCH BASIN	
SANITARY SEWER MANHOLE	SN
CLEANOUT	CO
FIRE HYDRANT	
WATER SPIGOT	
VALVE (WATER & GAS)	WV GV
GAS METER	G
UTILITY RISERS	RS RS RS RS RS
UTILITY POLE	
LIGHT POLE	
GUY ANCHOR	
TRANSFORMER	TR
HAND HOLE (ELECTRIC)	H
ELECTRIC METER	E
SIGN	
POST	
AIR CONDITIONING UNIT	AC
GATE	
FENCE LINE	X X
OVERHEAD UTILITIES	OHU
UNDERGROUND ELECTRIC	UGE UGE
COMMUNICATIONS	UGC UGC
TELEPHONE	TEL
FIBER OPTIC	FO
GAS LINE	GAS
EXISTING WATER LINE	W
EXISTING STORM SEWER	ST ST
EXISTING SANITARY SEWER	SAN

BITUMINOUS SURFACE | CONCRETE SURFACE | GRAVEL SURFACE

CONIFEROUS TREE | DECIDUOUS TREE | ORNAMENTAL BUSH

SURVEYOR'S NOTES

1. UTILITIES SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL FIELD MEASUREMENTS AND AVAILABLE RECORDS. THIS MAP IS NOT TO BE INTERPRETED AS SHOWING EXACT LOCATIONS OR SHOWING ALL UTILITIES IN THE AREA.
2. NOTE TO CONTRACTORS: THREE WORKING DAYS BEFORE YOU DIG - CALL MISS DIG AT 811.
3. CONTOUR INTERVAL = 1 FOOT.
4. THIS IS NOT INTENDED OR REPRESENTED TO BE A BOUNDARY SURVEY AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF ANY FENCE, BUILDING, OR OTHER IMPROVEMENT. LEGAL DESCRIPTION WAS NOT PROVIDED & NO PROPERTY CORNERS WERE SET.

811 Know what's **below.** **Call** before you dig.

DRIESENGA & ASSOCIATES, INC.
Engineering • Surveying • Testing
www.driesenga.com
Holland, MI – 616–396–0255
Grand Rapids, MI – 616–249–3800
Kalamazoo, MI – 269–544–1455
Detroit, MI – 734–368–9483

REVISIONS
1

WEST MICHIGAN REGIONAL AIRPORT
SEC. 08, T04N, R15W, CITY OF HOLLAND, ALLEGAN CO.
ELZINGA & VOLKERS
86 EAST 6TH STREET
HOLLAND, MICHIGAN 49423

PARTIAL TOPOGRAPHIC SURVEY

Designed By:
Drawn By: GLK
Checked By: Date:
Plot:
Scale: 1"=20'
Date: 10–26–2017
Job No.: 1710791.5A
Sheet No.: V–101
1 of 1

File Name: N:\Holland\Projects\2017\1710791.5A West MI Airport\dwg\1710791-TOPO.dwg Last Saved: 10/30/2017 11:10:51 AM

West Michigan Airport Authority
60 Geurink Boulevard, Holland, MI 49423
P (616) 368-3023
Comprising City of Zeeland, Park Township and City of Holland

November 13, 2017

To: West Michigan Airport Authority Board.
From: Greg Robinson, Airport Authority Manager.
Subject: Five Year Capital Plan Update.

Each year, the Airport Authority submits its proposed five-year capital projects to the MDOT-Airports Division for review, revisions, and approval. Approval by MDOT-Airports does not guarantee funding support, but does provide the Authority with a certain level of confidence that the projects will become reality.

The projects proposed for the federal fiscal years 2018-2024 are similar to those approved by MDOT-Airport during last year's review. The Authority has received significant support from MDOT and the FAA over the past several years for the new Airport Business Center and apron projects, and the 2018 submittal anticipates further commitment to our airport. You will see that the projects focus on the rehabilitation of critical airport assets such as runway lighting, the runway rehabilitation, and an overflow aircraft parking area. With approval of the local millage renewal, the Authority Board, FAA and MDOT can be confident that the local match for the project grants will be provided.

Recommendation

It is recommended that the Authority Board approve the Fiscal Year 2018 - 5 Year Airport Capital Plan that is attached to this report.

Attachment: FY 2018 - 5 Year Airport Capital Plan.

MICHIGAN STATE BLOCK GRANT PROGRAM

AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP) FY-2018 to FY-2024

*ACIP includes current development year (2016 already programmed - minor changes acceptable)

Airport Name:	West Michigan Regional Airport	Date prepared: 10/13/2017	
Associated City:	Holland, MI	Prepared By: JET	
Sponsor:	West Michigan Airport Authority	Sponsor email address & phone:	g.robinson@wmairportauthority.com 616-510-2332
Airport Identifier:	BIV		

Development Year	Year Priority	Project Description	Federal Entitlements	Federal Apportionment	Federal Discretionary	State	Local	Total	Remarks/Item Justification - Provide as much detail as possible.
2018		*Carry forward 2017 NPE = $0*							
		Carry forward NPE							
2019		*Carry forward 2018 NPE = $150,000*							
Concept #: 125638	1	Design for Rehabilitation of Runway Lights and LED Lighting Improvements	$49,950	$0	$0	$2,775	$2,775	$55,500	Portions of the runway lighting circuit are over 20 years old. The system shorts periodically due to high ground water and has become unreliable. Due to the poor quality of the circuit, the lights exhibit different brightness levels sporadically. The proposed project is to completely rehab the lighting system and remove the primary cause of failure by sheeting water past lights and increasing the subsurface drainage into underdrains away from lighting circuits. LED improvements will prolong service life and reduce operating costs.
2020		*Carry forward 2019 NPE = $250,050*							
Concept #: 125639	1	Construction for Rehabilitation of Runway Lights and LED Lighting Improvements	$400,050	$225,000	$0	$34,725	$34,725	$694,500	Portions of the runway lighting circuit are over 20 years old. The system shorts periodically due to high ground water and has become unreliable. Due to the poor quality of the circuit, the lights exhibit different brightness levels sporadically. The proposed project is to completely rehab the lighting system and remove the primary cause of failure by sheeting water past lights and increasing the subsurface drainage into underdrains away from lighting circuits. LED improvements will prolong service life and reduce operating costs.
2021		*Carry forward 2020 NPE = $0*							
Concept #: 125641	1	Design for Runway 8/26 Rehabilitation	$150,000	$52,500	$0	$11,250	$11,250	$225,000	Runway 8/26 was last rehabilitated in 2001 and some sort of rehabilitation will likely be warranted by 2020. Design should be accomplished a year prior for better bidding and to allow time to study alternatives. The exact condition of the pavement at this future date is uncertain, so alternatives should be studied and give the airport a cost benefit analysis of the available options for them to fully compare.
2022		*Carry forward 2021 NPE = $0*							
Concept #: 125642	1	Runway 8/26 Rehabilitation	$150,000	$0	$2,365,500	$139,750	$139,750	$2,795,000	Runway 8/26 was last rehabilitated in 2001 and some sort of rehabilitation will likely be warranted by 2020. Design should be accomplished a year prior for better bidding and to allow time to study alternatives. The exact condition of the pavement at this future date is uncertain, so alternatives should be studied and give the airport a cost benefit analysis of the available options for them to fully compare.
2023		*Carry forward 2022 NPE = $0*							
Concept #: 128819	1	Design for West Overflow Apron Rehabilitation	$73,350	$0	$0	$4,075	$24,575	$102,000	The last pavement condition index (PCI) review indicated the pavement in this area has a score of 38. Due to the relocation of the airport terminal, this project was postponed. However this area still requires attention. These pavements will still provide access to multiple hangars and overflow parking for the new terminal apron, so they need to be addressed.
2024		*Carry forward 2023 NPE = $76,650*							
Concept #: 128821	1	Construction for West Overflow Apron Rehabilitation	$226,650	$685,968	$0	$50,701	$304,681	$1,268,000	The last pavement condition index (PCI) review indicated the pavement in this area has a score of 38. Due to the relocation of the airport terminal, this project was postponed. However this area still requires attention. These pavements will still provide access to multiple hangars and overflow parking for the new terminal apron, so they need to be addressed.

WEST MICHIGAN REGIONAL AIRPORT

HOLLAND, MICHIGAN

AIRPORT DEVELOPMENT PLAN - YEARS 2018 TO 2024

FAA IDENTIFIER: BIV
STATE ID: 03-07

YEAR – 2018

- CARRY FORWARD NPE

YEAR – 2019

- A1 — DESIGN FOR REHABILITATE RUNWAY LIGHTS AND LED LIGHTING IMPROVEMENTS

YEAR – 2020

- A1 — CONSTRUCTION FOR REHABILITATE RUNWAY LIGHTS AND LED LIGHTING IMPROVEMENTS

YEAR – 2021

- B1 — DESIGN FOR RUNWAY 8/26 REHABILITATION

YEAR – 2022

- B1 — CONSTRUCTION FOR RUNWAY 8/26 REHABILITATION

YEAR – 2023

- C1 — DESIGN FOR WEST OVERFLOW APRON REHABILITATION

YEAR – 2024

- C1 — CONSTRUCTION FOR WEST OVERFLOW APRON REHABILITATION

October 13, 2017 - 03-07_BIV_sketch2018.dwg

Design By: JET Drawn By: JET Approved By: JET

ENGINEERING COST ESTIMATE

PROJECT: Rehabilitate West Overflow Apron
LOCATION: West Michigan Regional Airport
CITY: Holland, Michigan
DATE: 08/05/2015
PREPARED BY: JET
REVIEWED BY: RJE

___FINAL DESIGN
___ PROJECT PROGRAMMING
___ FEASIBILITY STUDY
_x_ STATE PLANNING
BASED ON FY **2015** DOLLARS

WORK DESCRIPTION: Pulverize and salvage asphalt and existing aggregate base. Install new aggregate base and repave

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization	LS	1	$ 80,000.00	$ 80,000
Safety and Security	LS	1	$ 40,000.00	$ 40,000
Pulverize Pavement	SYD	18,350	$ 3.00	$ 55,050
Salvage Pulverized Material	CYD	5,600	$ 5.00	$ 28,000
Aggregate Base	CYD	3,060	$ 50.00	$ 153,000
Bituminous Surface-Taxilane (5")	TON	5,505	$ 110.00	$ 605,550
Drainage Improvements	LS	1	$ 10,000.00	$ 10,000
Pavement Marking	LS	1	$ 2,500.00	$ 2,500
Restoration	LS	1	$ 10,000.00	$ 10,000

Mead & Hunt

CONSTRUCTION TOTAL =	$	984,100
CONSTRUCTION CONTINGENCIES (15%) =	$	147,615
CONSTRUCTION TOTAL =	$	1,131,715
AIP Eligible =	**$**	**905,372**
Local Only =	**$**	**226,343**
ENGINEERING DESIGN (9%) =	$	101,854
AIP Eligible =	**$**	**81,483**
Local Only =	**$**	**20,371**
CONSTRUCTION ADMIN (12%) =	$	135,806
AIP Eligible =	**$**	**108,645**
Local Only =	**$**	**27,161**
	$	1,369,375
PROJECT YEAR BUDGET ESTIMATE =	**$**	**1,370,000**

* Cost split on 80% Eligible, 20% Non-Eligible
(40' width along north edge ineligible per 2015 MAP Mtg)

Note: These costs were developed without the benefit of field surveys or soils investigation.
A final cost estimate will be dependent upon development of these items and further design.

CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

Airport and Associated City	**Concept(s) Development Year**
West Michigan Regional Airport, Holland MI	2021 & 2022

Concept(s) Description

Rehabilitate Runway 8/26 (Design 2021, Construct 2022)

Concept(s) Narrative/Justification (see guidance on preparing your project's justification)

Runway 8/26 was last rehabilitated in 2001 and minor rehabilitation will likely be warranted by 2022. The exact condition of the pavement at this future date is uncertain, so alternatives will be studied during the design phase. For this estimate, a 4" mill and fill was used as the preliminary rehabilitation method.

Pavement is currently experiencing low and medium severity long./trans. cracking, low and medium severity raveling

PCI Information for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)

Section	**Date of PCI Survey**	**PCI Rating**
RW826HD-10	9/18/2014	77
Section	**Date of PCI Survey**	**PCI Rating**
RW826HD-20	9/18/2014	70
Section	**Date of PCI Survey**	**PCI Rating**

ALP Verification (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)

Verify Project is on ALP	**Date of Original FAA Approved ALP**	**Sheet Number(s)**
■ YES ❒ NO ❒ N/A	March 2013	

Date(s) of Approved Update(s)

Comments

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.

ENGINEERING COST ESTIMATE

PROJECT: Rehabilitate Runway 8/26
LOCATION: West Michigan Regional Airport
CITY: Holland, Michigan
DATE: 08/06/2015
PREPARED BY: JET
REVIEWED BY: RJE

___FINAL DESIGN
___ PROJECT PROGRAMMING
___ FEASIBILITY STUDY
_x_ STATE PLANNING
BASED ON FY **2015** DOLLARS

WORK DESCRIPTION: Partial Depth Mill and Repave Runway 8/26. Work anticipated to occur on a 24hr/day schedule

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization	LS	1	$ 150,000.00	$ 150,000
Safety and Security	LS	1	$ 50,000.00	$ 50,000
Btuminous Milling	SY D	66,670	$ 2.00	$ 133,340
Bituminous Surface Course (4")	TON	16,000	$ 100.00	$ 1,600,000
Pavement Marking (1/2 rate and full rate)	SFT	83,290	$ 1.00	$ 83,290
Runway Grooving	SYD	66,670	$ 2.00	$ 133,340
Restoration	LS	1	$ 15,000.00	$ 15,000
				$ -
				$ -
				$ -

CONSTRUCTION TOTAL =	$ 2,164,970
CONSTRUCTION CONTINGENCIES (15%) =	$ 324,746
CONSTRUCTION TOTAL =	$ 2,489,716
ENGINEERING DESIGN (9%) =	$ 224,074
CONSTRUCTION ADMIN (12%) =	$ 298,766
	$ 3,012,556
PROJECT YEAR BUDGET ESTIMATE =	**$ 3,020,000**

Note: These costs were developed without the benefit of field surveys or soils investigation.
A final cost estimate will be dependent upon development of these items and further design.

CONCEPT (PROJECT) NARRATIVE AND JUSTIFICATION SHEET FOR AIRPORT CAPITAL IMPROVEMENT PROGRAM (ACIP)

Airport and Associated City	**Concept(s) Development Year**
West Michigan Regional Airport, Holland MI	2019 & 2020

Concept(s) Description

Rehabilitate Runway 8/26 Lighting (2019 Design - 2020 Construction

Concept(s) Narrative/Justification (see guidance on preparing your project's justification)

Portions of the runway lighting circuit are over 20 years old. The system shorts periodically due to high ground water and has become unreliable. Due to the poor quality of the circuit, the lights exhibit different brightness levels sporadically. The proposed project is to completely replace the lighting system and remove the primary cause of failure by sheeting water past lights and increasing the subsurface drainage into underdrains away from lighting circuits. LED improvements will prolong service life and reduce operating costs. The project will also include a new wind cone and Runway 8 REIL. The wind cone was installed in 1986 and the REIL was installed in 2004.

PCI Information for pavement rehabilitation (Please provide PCI rating(s) and year surveyed for proposed project)

Section	**Date of PCI Survey**	**PCI Rating**
Section	**Date of PCI Survey**	**PCI Rating**
Section	**Date of PCI Survey**	**PCI Rating**

ALP Verification (Please provide date of approved ALP and applicable sheet number(s) where proposed project is located)

Verify Project is on ALP	**Date of Original FAA Approved ALP**	**Sheet Number(s)**
■ YES ❒ NO ❒ N/A	March 2013	

Date(s) of Approved Update(s)

Comments

ALP Note: If not on Airport Layout Plan (ALP), project cannot be programmed until the proposed development, if applicable is on an approved ALP.

ENGINEERING COST ESTIMATE

PROJECT: Rehabilitate Runway 8/26 Lighting
LOCATION: West Michigan Regional Airport
CITY: Holland, Michigan
DATE: 8/04/2015
PREPARED BY: JET
REVIEWED BY: RJE

___FINAL DESIGN
___ PROJECT PROGRAMMING
___ FEASIBILITY STUDY
_x_ STATE PLANNING
BASED ON FY **2015** DOLLARS

WORK DESCRIPTION: Replace existing RWY 8/26 lights, windcones and install a new REIL for RWY 8. Project will also include installation of underdrain system to drain the lights.

ITEM DESCRIPTION	UNIT	QTY	UNIT PRICE	ITEM COST
Mobilization	LS	1	$ 50,000.00	$ 50,000
Safety and Security	LS	1	$ 25,000.00	$ 25,000
LED HIRL (new bases with drains)	EA	90	$ 1,200.00	$ 108,000
CIC & Counterpoise (Lights, Windcones, REIL)	LFT	24,000	$ 5.00	$ 120,000
LED Windcone	EA	3,500	$ 2.00	$ 7,000
LED REIL (RWY 8)	Set	1	$ 20,000.00	$ 20,000
Segmented Circle	LS	1	$ 30,000.00	$ 30,000
Underdrain	LFT	16,000	$ 10.00	$ 160,000
Restoration	LS	1	$ 15,000.00	$ 15,000

Mead & Hunt

CONSTRUCTION TOTAL =	$ 535,000
CONSTRUCTION CONTINGENCIES (15%) =	$ 80,250
CONSTRUCTION TOTAL =	$ 615,250
ENGINEERING DESIGN (9%) =	$ 55,373
CONSTRUCTION ADMIN (12%) =	$ 73,830
	$ 744,453
PROJECT YEAR BUDGET ESTIMATE =	**$ 750,000**

Note: These costs were developed without the benefit of field surveys or soils investigation.
A final cost estimate will be dependent upon development of these items and further design.

West Michigan Airport Authority
60 Geurink Boulevard, Holland, MI 49423
P (616) 368-3023
Comprising City of Zeeland, Park Township and City of Holland

November 13, 2017

To: Jenna Elswick, City of Holland – Senior Planner.
From: Aaron Thelenwood, Assistant Airport Authority Manager.
Subject: Site Plan Review – 345 48th Street.

Hudsonville Ice Cream is proposing to construct a new 626 square foot silo alcove in addition to the northwest side of the existing building with four (4) new 12,000 gallon silos.

After analyzing the effect a new structure on this site would have to aircraft operating at the airport, and reviewing the Airport Layout Plan (ALP), it is the opinion of Mead & Hunt, Inc. (the Airport Authority's Designated Consultant) that the preliminary design DOES NOT pose a hazard to existing airport operations or future airport planning efforts as long as the proposed structure height does not rise about 848' above mean sea level (AMSL). Below are a few reasons to support this opinion.

- The proposed structure does not fall within an existing or planned Approach/Departure Runway Protection Zone (RPZ) or runway safety areas (i.e. RSA, ROFA).
- The proposed structure does not fall within an existing or planned FAR Part-77 runway approach surface, PAPI Obstacle Clearance Surface (OCS) or Threshold Siting Surface.
- The proposed structure does not fall within the FAR Part-77 Transitional Surface (7:1).
- The airspace above the site is controlled by the FAR Part-77 Horizontal Surface which has an allowable building height of 848' AMSL. The information provided in the application shows an overall structure height that is lower than the building it is being added to. Therefore, the proposed location is acceptable as long as the overall height of the structure stays below that allowable height.

As a final note, during the construction process the developer may still need to file an FAA 7460 form and MI Tall Structures permit. There's a possibility that one of these two entities may find a reason to reject this proposed building location; however, with the proposed location and minimal building height I'd be surprised if that situation were to occur.

RECEIVED
OCT 25 2017
By

Holland
MICHIGAN

APPLICATION FOR PLANNING COMMISSION SITE AND DEVELOPMENT PLAN REVIEW AND SITE CONDOMINIUM PLAN REVIEW CITY OF HOLLAND, MICHIGAN

Name of Applicant Dan Vos Construction Company - Joseph Geelhoed, Civil Engineer

Address Email and Phone # of Applicant 6160 E. Fulton PO Box 189, Ada, MI 49301-0189, joeg@danvoscc.com, 616-425-2871

Name and Address of Owner (if other than applicant) Hudsonville Ice Cream

345 East 48th Street, Holland, MI 49423

Legal Interest of Applicant in Subject Property Design/Build Contractor

Address of Subject Property (as assigned by the Holland Assessor's Office)

345 East 48th Street, Holland, MI 49423

Permanent Parcel No 03-55-53-004-100

Zoning District I-2 Industrial Park

Lot Dimensions/Acreage Gross Site = 26.3 Acres +/- 1,144,042 SF

Description of Proposed Site Plan Construct a new 626 s.f. silo alcove addition to the northwest side of the existing building with (4) new silos.

REQUIRED SITE PLAN CONTENT

Applicants shall submit the following information to the Community and Neighborhood Services Department: a completed site plan review application, the required application fee, one digital PDF copy and two (2) folded copies of a site plan. All site plans shall include the information listed below and be based on the Development Standards listed in Sections 39-25 through 39-29. Required submissions not relevant to the particular site plan or development plan may be waived by the City.

1. Plans and map based on an accurate land survey
2. Direction arrow, date of plan and revisions, scale (written and graphic)
3. Legal description, address, and tax parcel number of the subject property
4. Size in acres and square footage of the subject property
5. Property lines and dimensions

h. Other information as may be requested by the Department or Planning Commission which is reasonably necessary to evaluate the site plan. A request for independent professional studies including, but not limited to, traffic studies, environmental impact assessments, fiscal impact assessments, flood plain and wetland determinations, soil test borings, and market studies to determine evidence of a market need for the uses and economic feasibility of the project shall require a Planning Commission request, unless an applicant willingly consents to providing such requested information, in which case the Department may make such a request. All costs incurred by the City to obtain such professional studies shall be fully paid by the applicant.

ADDITIONAL PLANNED UNIT DEVELOPMENT INFORMATION
For a project in a PUD zone, the plan shall include computation of the percentage of acreage and building area which will be utilized for each of the permitted uses under Section 39-166. The plan shall also include a written statement describing the objectives of the project, and conformity to the City's Master Plan.

ADDITIONAL AIRPORT AREA INFORMATION
Any proposed project in the airport area as described in Section 39-337(b) shall require: Written recommendation from the Airport Advisory Board prior to site plan or development plan approval and the completed Federal Aviation Administration review prior to receiving a building permit.

ADDITIONAL SITE CONDOMINIUM INFORMATION
All site condominium projects shall include the information required by Section 39-27.

Signature of Applicant _____

Date 10/25/2017

I hereby state that all of the above statements and all of the accompanying information are true and correct.

Fees:
Site/Development/Condominium Plan Review- $500.00
Site/Development/Condominium Plan Planning Commission Amendment Review- $300.00
Administrative Site Plan Review - $300.00
Site/Development/Condominium Plan Review in Conjunction with Rezoning - $650.00. (Please fill out Rezoning Application and submit both)

UTILITIES LISTING:

MANHOLE #173
SANITARY SEWER
TOP ELEV. =677.86
FLOW LINE INV. ELEV. =674.02
WATER LEVEL ELEV. =676.61
FULL OF ICE & WATER

MANHOLE #187
SANITARY SEWER
TOP ELEV. =680.58
8" PVC TO N. INV. ELEV. =677.13
8" PVC TO S. INV. ELEV. =677.13

MANHOLE #552
SANITARY SEWER
TOP ELEV. =687.80
10" CLAY TO N. INV. ELEV. =674.96
10" CLAY TO S. INV. ELEV. =675.07
8" " TO W. INV. ELEV. =675.06

MANHOLE #562
SANITARY SEWER
TOP ELEV. =681.50
6" CLAY TO E. INV. ELEV. =675.88
6" CLAY TO SW INV. ELEV. =676.18
4" CLAY TO NW INV. ELEV. =676.2

MANHOLE #663
SANITARY SEWER
TOP ELEV. =682.01
10" CLAY TO N. INV. ELEV. =670.42
10" CLAY TO S. INV. ELEV. =670.53

MANHOLE #694
SANITARY SEWER
TOP ELEV. =677.56
10" CLAY TO N. INV. ELEV. =666.09
10" CLAY TO S. INV. ELEV. =666.30

CATCH BASIN #282
TOP ELEV. =681.03
12" PVC TO E. INV. ELEV. =675.43
12" PVC TO W. INV. ELEV. =675.39

CATCH BASIN #292
TOP ELEV. =680.67
12" PVC TO E. INV. ELEV. =675.74
12" PVC TO W. INV. ELEV. =675.74

CATCH BASIN #299
TOP ELEV. =680.68
12" PVC TO E. INV. ELEV. =677.64

CATCH BASIN #322
TOP ELEV. =681.67
3" PVC TO E. PLUGGED.
3" PVC TO W. INV. ELEV. =676.93

CATCH BASIN #323
TOP ELEV. =681.85
3" PVC TO E. INV. ELEV. =681.11

CATCH BASIN #414
TOP ELEV. =683.53
12" PVC TO E. INV. ELEV. =675.24
12" PVC TO W. INV. ELEV. =675.28
12" PVC TO N. INV. ELEV. =675.24
6" PVC TO SW INV. ELEV. =677.33
6" PVC TO NW INV. ELEV. =677.23

CATCH BASIN #465
TOP ELEV. =681.10
12" PVC TO S. INV. ELEV. =676.05

CATCH BASIN #507
TOP ELEV. =681.72
3" PVC TO SW INV. ELEV. =680.98
3" PVC TO NE INV. ELEV. =680.98

CATCH BASIN #511
TOP ELEV. =682.01
3" PVC TO S. INV. ELEV. =681.27

CATCH BASIN #1037
TOP ELEV. =678.34
6" PVC TO E. INV. ELEV. =676.74

CATCH BASIN #1060
TOP ELEV. =677.91
ICE LEVEL =676.91
NO INV. LOCATED

GENERAL SITE NOTES:

1.) GROSS SITE AREA = 26.3 Acres± (1,144,042 S.F.)
2.) GROSS BUILDING AREA: EXISTING = 120,557 S.F.±
3.) EXISTING IMPERVIOUS SURFACE AREA ON SITE (INCUDING BLDG) = 253,000 S.F.±
PROPOSED IMPERVIOUS SURFACE AREA = 17,714 S.F.±
4.) CURRENT ZONING OF SITE = I-2 (INDUSTRIAL PARK)

5.) ZONING DATA:
PROPERTY SIZE: Min. Required = 2 Acres, Exist. = 26.3 Acres
LOT COVERAGE: Req'd Max. = 50%, Proposed Total = 23.6%
PROPERTY WIDTH: Min. Req'd = 200' Exist./Proposed = 1116'±
BUILDING HEIGHT: Max. Req'd = 60', Exist./Proposed = 40'
FRONT YARD SETBACK: Req'd = 75' Exist./Proposed = 114'
SIDE YARD SETBACK: Req'd = 30', Exist./Proposed = 190' E, 482' W
REAR YARD SETBACK: Req'd = 24', Exist./Proposed = 560'
6.) PARKING INFORMATION:
EXISTING PARKING SPACES INCL. 4 HDCP SPACES = 45 SPACES±
PROPOSED NEW PARKING SPACES = 42 SPACES
7.) MAXIMUM SLOPE 1:12 AND TO HAVE A NON-SLIP SURFACE.
8.) ALL PAINTED LINES, DIRECTIONAL ARROWS OR SYMBOLS TO BE YELLOW OR WHITE, B.F. STRIPES AND SYMBOLS TO BE BLUE.
9.) ANY EXTERIOR LIGHTING TO BE DIRECTED AWAY FROM ADJACENT PROPERTIES AND SHALL CONFORM TO CITY REQUIREMENTS.
10.) P.H. SIGNS TO BE 6'-8" HIGH TO BOTTOM OF SIGN
ONE (1) TO HAVE VAN SIGN (INCL. WITH EXISTING B/F PARKING)
11.) BIT PAVEMENT SPECIFICATION:
1 1/2" LEVELING COURSE – MDOT 4C
2" BASE COURSE – MDOT 3C
8" GRAVEL BASE – MDOT 22A
12" SAND SUB-BASE – CLASS II

Description:
Part of the Southwest ¼ of Section 4, T4N, R15W, City of Holland, Ottawa County, Michigan, described as: That part of the South 1030.00 feet of the Southwest ¼ of said Section 4 lying East of the Chesapeake and Ohio Railroad right of way, excepting the East 600.02 feet thereof.

SITE PLAN
Scale: 1"=40'

SILO ALCOVE ADDITION FOR:

HUDSONVILLE ICE CREAM

345 E. 48TH ST.
HOLLAND, MICHIGAN 49423

ARCHITECTURAL SERVICES
DESIGN • BUILD
CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
6160 E. FULTON
P.O. BOX 189
ADA, MI 49301-0189
(616) 676-9168

DAN VOS CONSTRUCTION COMPANY
Building for Life.

ISSUED FOR:
10-25-2017: ISSUED FOR SITE PLAN REVIEW

DRAWN: MSF

PROJECT #: 30-317649

DRAWING NO: C-1

1 A1-1 ENLARGED SILO ALCOVE FLOOR PLAN
1/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

Hudsonville ICE CREAM
PREMIUM ICE CREAM
MIDWEST CRAFTED CREAMERY
SINCE 1939

SILO ALCOVE EXPANSION FOR:
HUDSONVILLE ICE CREAM
348 EAST 48TH STREET, HOLLAND MI 49423

ARCHITECTURAL SERVICES
DESIGN BUILD
CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
6160 E. FULTON
P.O. BOX 189
ADA, MI 49301-0189
(616) 676-9169

DAN VOS CONSTRUCTION COMPANY
Building for Life.

ISSUED FOR:
10-23-17: ISSUED FOR SITE PLAN REVIEW

DRAWN: MSP

PROJECT #: 30-317649

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DRAWING NO:
A1-1

3 A2-1 PARTIAL WEST ELEVATION
1/4" = 1'-0"

1 A2-1 PARTIAL NORTH ELEVATION
1/4" = 1'-0"

2 A2-1 PARTIAL SOUTH ELEVATION
1/4" = 1'-0"

Hudsonville
PREMIUM ICE CREAM
MIDWEST CRAFTED CREAMERY
SINCE 1939

SILO ALCOVE EXPANSION FOR:

HUDSONVILLE ICE CREAM

348 EAST 48TH STREET, HOLLAND MI 49423

ARCHITECTURAL SERVICES
DESIGN - BUILD
CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
6160 E. FULTON
P. O. BOX 189
ADA, MI 49301-0189
(616) 676-9169

DAN VOS
CONSTRUCTION COMPANY
Building for Life.

ISSUED FOR:

10-23-17: ISSUED FOR SITE PLAN REVISN

DRAWN: MSP

PROJECT #: 30-317649

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DRAWING NO:

A2-1

3 / A3-1 SILO ALCOVE PERSPECTIVE LOOKING SOUTHEAST

2 / A3-1 SILO ALCOVE SECTION 2
1/4" = 1'-0"

1 / A3-1 SILO ALCOVE SECTION 1
1/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

Hudsonville ICE CREAM
PREMIUM ICE CREAM
MIDWEST CRAFTED CREAMERY
SINCE 1928

SILO ALCOVE EXPANSION FOR:
HUDSONVILLE ICE CREAM
348 EAST 48TH STREET, HOLLAND MI 49423

ARCHITECTURAL SERVICES
DESIGN BUILD
CONSTRUCTION MANAGEMENT
GENERAL CONTRACTING
6160 E. FULTON
P.O. BOX 189
ADA, MI 49301-0189
(616) 676-9169
DAN VOS CONSTRUCTION COMPANY
Building for Life.

ISSUED FOR:
10-23-17: ISSUED FOR SITE PLAN REVIEW

DRAWN: MSP
PROJECT #: 30-217649

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DRAWING NO:
A3-1

West Michigan Airport Authority
60 Geurink Boulevard, Holland, MI 49423
P (616) 368-3023
Comprising City of Zeeland, Park Township and City of Holland

November 13, 2017

To: Jenna Elswick, City of Holland – Senior Planner.
From: Aaron Thelenwood, Assistant Airport Authority Manager.
Subject: Site Plan Review – 1905 Russel Ct.

KISS Technologies Inc. is proposing to develop a 5,000 square foot industrial facility at 1905 Russel Ct.

After analyzing the effect a new structure on this site would have to aircraft operating at the airport, and reviewing the Airport Layout Plan (ALP), it is the opinion of Mead & Hunt, Inc. (The Airport Authority's designated consultant) that the preliminary design **DOES NOT** pose a hazard to existing airport operations or future airport planning efforts as long as the proposed structure height does not rise about 848' above mean sea level (AMSL). Below are a few reasons to support this opinion.

- The proposed structure does not fall within an existing or planned Approach/Departure Runway Protection Zone (RPZ) or runway safety areas (i.e. RSA, ROFA).
- The proposed structure does not fall within an existing or planned FAR Part-77 runway approach surface, PAPI Obstacle Clearance Surface (OCS) or Threshold Siting Surface.
- The proposed structure does not fall within the FAR Part-77 Transitional Surface (7:1).
- The airspace above the site is controlled by the FAR Part-77 Horizontal Surface which has an allowable building height of 848' AMSL. The information provided in the application shows a finished floor elevation of 692' AMSL; and an overall building height of approximately 20' above ground level (AGL). This places the building height at approximately 712' AMSL which is 136' below the allowable height of 848' AMSL. The proposed location is acceptable as long as the overall height of the structure stays below that allowable height.

As a final note, during the construction process the developer may still need to file an FAA 7460 form and MI Tall Structures permit. There's a possibility that one of these two entities may find a reason to reject this proposed building location; however, with the proposed location and minimal building height I'd be surprised if that situation were to occur.

RECEIVED
OCT 04 2017
By

Holland
MICHIGAN

APPLICATION FOR PLANNING COMMISSION
SITE AND DEVELOPMENT PLAN REVIEW
AND SITE CONDOMINIUM PLAN REVIEW
CITY OF HOLLAND, MICHIGAN

Name of Applicant Kiss Properties, LLC

Address Email and Phone # of Applicant brian.lamar@cl-construction.com (616) 335-3074

Name and Address of Owner (if other than applicant)

Owner Brian Lamar, 39 Veterans Dr. Ste. 340, Holland 49423

Legal Interest of Applicant in Subject Property Owner

Address of Subject Property (as assigned by the Holland Assessor's Office)

1905 Russell Court (Lot 7, Lamar Park Plat)

Permanent Parcel No 53-02-17-176-007

Zoning District I-1

Lot Dimensions/Acreage 270' x 283' ; 1.983 acres

Description of Proposed Site Plan Construction of 5,000 sft. industrial facility with related site improvements.

REQUIRED SITE PLAN CONTENT

Applicants shall submit the following information to the Community and Neighborhood Services Department: a completed site plan review application, the required application fee, one digital PDF copy and two (2) folded copies of a site plan. All site plans shall include the information listed below and be based on the Development Standards listed in Sections 39-25 through 39-29. Required submissions not relevant to the particular site plan or development plan may be waived by the City.

1. Plans and map based on an accurate land survey
2. Direction arrow, date of plan and revisions, scale (written and graphic)
3. Legal description, address, and tax parcel number of the subject property
4. Size in acres and square footage of the subject property
5. Property lines and dimensions

6. Location and dimensions of all existing and proposed structures on the subject property indicating building setbacks, zoning setbacks, building dimensions and finished floor grade elevations
7. Elevation drawings of all building sides, indicating materials to be used, and overall dimensions
8. The location and approximate size of major exterior HVAC or other mechanical equipment
9. Location and dimensions of all existing and proposed drives, sidewalks, curb openings, curbing, parking areas, total number of parking spaces, loading and unloading areas, recreational areas, and common use areas
10. Location, pavement width, right-of-way width and centerline elevation of all existing and proposed abutting streets, alleys, and easements
11. Location, type, quantity, and dimension of all existing and proposed landscaping and vegetation and the location, height and type of existing and proposed fences and walls
12. Size and location of existing and proposed hydrants and utilities, including proposed connections to public sanitary sewer and water supply systems, and private gas, electric, telephone, cable television, and internet locations
13. Location and size of all existing and proposed subsurface and surface storm water drainage facilities, including retention and detention ponds, and any established flood plain areas, bodies of water, wetland areas, or other unbuildable areas if present on the site
14. Proposed grading plan showing direction of drainage flow. Sites that are one acre in size or smaller shall have one foot contour intervals, while larger sites may use two foot intervals
15. Location of existing and proposed refuse/recycling area showing proposed enclosures and method of screening
16. Location and intensity of existing and proposed exterior lighting, including areas to be illuminated, illumination levels (foot-candles), type and height of fixtures, and cut-off shielding provided
17. Location, lighting, design and dimensions of proposed signage
18. The City reserves the right to require other details pertaining to the development to determine compliance with the zoning ordinance and applicable City policies
19. A written narrative shall be included as either General Notes on a site or development plan or as an attachment and shall include the following:
    a. Percentage of site allocated to buildings, parking lots, and other impervious surfaces
    b. For residential developments, a summary of the number, type and density of dwelling units, number of bedrooms, the proposed market to be served, and proposed typical elevations views of each type of building
    c. Impact on public services to include schools, police and fire protection, utilities, and traffic
    d. Expected schedule or phases of development
    e. List of all State, Federal, or other regulatory approvals to which the development may be subject, the status of any pending applications, and the anticipated time frame for obtaining such approvals
    f. Discussion of relationship to surrounding properties and uses regarding vehicular and pedestrian access and circulation, development density and orientation, and the development's architectural and landscape character
    g. Discussion of any impacts relating to such issues as noise, vibration, smoke, light, glare, or other potentially problematic conditions associated with proposed uses

h. Other information as may be requested by the Department or Planning Commission which is reasonably necessary to evaluate the site plan. A request for independent professional studies including, but not limited to, traffic studies, environmental impact assessments, fiscal impact assessments, flood plain and wetland determinations, soil test borings, and market studies to determine evidence of a market need for the uses and economic feasibility of the project shall require a Planning Commission request, unless an applicant willingly consents to providing such requested information, in which case the Department may make such a request. All costs incurred by the City to obtain such professional studies shall be fully paid by the applicant.

ADDITIONAL PLANNED UNIT DEVELOPMENT INFORMATION

For a project in a PUD zone, the plan shall include computation of the percentage of acreage and building area which will be utilized for each of the permitted uses under Section 39-166. The plan shall also include a written statement describing the objectives of the project, and conformity to the City's Master Plan.

ADDITIONAL AIRPORT AREA INFORMATION

Any proposed project in the airport area as described in Section 39-337(b) shall require: Written recommendation from the Airport Advisory Board prior to site plan or development plan approval and the completed Federal Aviation Administration review prior to receiving a building permit.

ADDITIONAL SITE CONDOMINIUM INFORMATION

All site condominium projects shall include the information required by Section 39-27.

Signature of Applicant _____ Tovi Kiss

Date 10/2/17

I hereby state that all of the above statements and all of the accompanying information are true and correct.

Fees:
Site/Development/Condominium Plan Review- $500.00
Site/Development/Condominium Plan Planning Commission Amendment Review- $300.00
Administrative Site Plan Review - $300.00
Site/Development/Condominium Plan Review in Conjunction with Rezoning - $650.00. (Please fill out Rezoning Application and submit both)

LATITUDE
engineering, inc.

PROJECT NARRATIVE
KISS Technologies, Inc. Facility
1905 Russell Court
Holland, Michigan 49423

Project Description

KISS Technologies, Inc. is proposing to develop a 5,000 sft. facility on Lot 7 of the Lamar Park industrial plat. The address for this development is 1905 Russell Court and the site is currently vacant. Lot 7's overall area is 86,380 sft. (1.983 ac) and the proposed development will have an approximate 30% impervious area.

Two 5' x 5' concrete HVAC pads will be located along the south wall of the building, approximately fifteen feet east from the west wall line of the building. Landscape screening will be located on the westerly side of the HVAC pads.

The development will have a very minor impact on public services as it is part of a previously approved industrial park that has been designed and constructed to meet the City of Holland standards and requirements. It should be noted that the development will, in all probability, have a positive impact for the City. It will provide an increased property value with the resultant increase in tax revenue while placing only minor additional demand for public services.

The Site Plan indicates a possible future addition to the proposed 5,000 sft. facility. This future expansion does not have any scheduled time frame as is indicated only to show what is possible for future expansion if the market demand may require an expansion of KISS' capacity.

The proposed facility has made a request for review by the FAA for approval due to its proximity to the West Michigan Regional Airport. The review/approval will be provided upon its completion. The site's storm water runoff will be directed to a regional detention basin that was constructed at the time of the Lamar Park plat development. The site plan is being reviewed by the Tulip Intercounty Drainage Board for compliance with that approved detention system. The Board's report will be forwarded to the City upon its completion.

As stated earlier, this development will be located in a previously approved and constructed industrial park. The facility's architectural design mimics the typical industrial building façade that is present in the previously developed lots within the industrial park. The vehicular traffic generated by this development has been previously included in the design of the industrial park. The development plan includes the construction of a pedestrian sidewalk along the Russell Court R.O.W.

KISS Technologies, Inc. manufactures/assembles specialized sensors primarily for the steel industry. Kiss' manufacturing/assembling is a low impact industry with minimal noise, vibration, smoke or similar problematic conditions imposed on the general public.

www.latitude-inc.com

7616 Clyde Park SW, Suite C
Byron Center, MI 49315
616.583.1601
Fax: 616.583.1605

SITE PLAN FOR:
KISS TECHNOLOGIES INC.

OWNER
KISS TECHNOLOGIES INC.
76 VETERNS DR # 660
HOLLAND, MI 49423
(616) 394-1401

ENGINEER
LATITUDE ENGINEERING, INC.
7616 CLYDE PARK SW, SUITE C
BYRON CENTER, MI 49315
(616) 583-1601
fax (616) 583-1605

PARCEL MAP
1"=250'

LOCATION MAP
NOT TO SCALE

GRAPHIC SCALE
30 0 15 30 60
1 inch = 30 ft.
(IN FEET)

N

GENERAL NOTES
- CURRENT ZONING: I-1 INDUSTRIAL PARK
- ZONING REQUIREMENTS:
  - LOT AREA:
    1.983 ACRES = 86,380 SQ. FT.
    30% IMPERVIOUS SURFACE
  - LOT WIDTH:
    305'
  - MAXIMUM BUILDING HEIGHT:
    - ALLOWED - 40' MAXIMUM
    - PROPOSED - 23'
  - YARD AND SETBACK REQUIREMENTS:
    - FRONT YARD - 25'
    - SIDE YARD - 30'
    - REAR YARD - 24'
  - PARKING REQUIREMENTS:
    - REQUIRED - 1 SPACE PER 2 EMPLOYEES
      - 6 EMPLOYEES - 3 TOTAL SPACES
    - PROVIDED - 13 STANDARD SPACES AND 1 ADA SPACE
      - 14 TOTAL SPACES

UNDERGROUND UTILITY NOTE
ALL DEPICTED EXISTING UNDERGROUND UTILITY INFORMATION ON THIS DRAWING IS BASED ON AS-BUILT DOCUMENTATION AND/OR MATERIALS THAT HAVE BEEN PROVIDED BY OTHERS. EFFORTS HAVE BEEN MADE TO PHYSICALLY VERIFY EXISTING CONDITIONS ON SITE. HOWEVER, COMPLETE AND ABSOLUTE VERIFICATION IS NOT POSSIBLE WITHOUT COMPLETE EXCAVATION OF VARIOUS AREAS. THE GRAPHIC DEPICTIONS SHOULD NOT BE INTERPRETED TO BE THE EXACT ALIGNMENTS AND LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA. SITE CONDITIONS MAY EXIST THAT COULD NOT BE VERIFIED THROUGH HISTORICAL RESEARCH OR TOPOGRAPHICAL SURVEYS, LATITUDE ENGINEERING, INC. IS NOT LIABLE FOR SUCH CONDITIONS. PROPER CONSTRUCTION PRACTICES SHOULD BE ADHERED TO, AND ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO NEW CONSTRUCTION.

LEGAL DESCRIPTION
(PPN #53-02-17-176-007)

LOT 7, LAMAR PARK AS RECORDED IN LIBER 15 OF PLATS, PAGES 15 & 16, PART OF THE NORTHWEST 1/4 OF SECTION 17, TOWN 4 NORTH, RANGE 15 WEST, CITY OF HOLLAND, ALLEGAN COUNTY, MICHIGAN.

4" ASPHALT SECTION

3" ASPHALT SECTION

TYPICAL STORM SEWER TRENCH

SURFACE LEGEND
- EXISTING ASPHALT
- PROPOSED PAVEMENT 4" ASPHALT
- PROPOSED PAVEMENT 3" ASPHALT
- EXISTING CONCRETE
- PROPOSED CONCRETE
- EXISTING GRAVEL
- PROPOSED GRAVEL

LEGEND

DRAINAGE ARROW		POWER POLE	
DECIDUOUS TREE		CONIFEROUS TREE	
ELECTRIC BOX		TRAFFIC ARROWS	
FIBER OPTIC MARKER		TELEPHONE BOX	
SIGN		GAS MARKER	
FOUND PROP. COR.		FOUND MONUMENT	

	EXISTING	PROPOSED
CATCH BASIN		
HYDRANT		
LIGHT POLE		
SANITARY MANHOLE		
STORM MANHOLE		
WATER VALVE	WV	WV
CONTOURS	690	690
TREE LINE		
SANITARY LINE	SA SA	SA SA
STORM LINE	ST ST	ST ST
WATER LINE	WM WM	WM WM
SPOT ELEVATION	690.00	690.00

SITE PLAN

KISS TECHNOLOGIES INC.
CITY OF HOLLAND, ALLEGAN COUNTY, MICHIGAN

LATITUDE engineering, inc.
7616 Clyde Park SW, Suite C
Byron Center, MI 49315
616.583.1601 Fax: 616.583.1605

REVISIONS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

PROJ. NO. L17068	DESIGNED BY CRB
FILE Site.dwg	DRAWN BY MAB
DATE 10-2-2017	CHECKED BY CRB
SCALE 1" = 30'	PROJ. MAN. CRB

DRAWING NO.
1 OF 1

D:\SHARED\Projects\2017\L17068\Dwg\Current\L17068 Site.dwg - Site - October 03, 2017 - 12:04 PM

EAST ELEVATION

1/8" = 1'-0"

SOUTH ELEVATION

1/8" = 1'-0"

WEST ELEVATION

1/8" = 1'-0"

NORTH ELEVATION

1/8" = 1'-0"

J. ANDREW BAER
ARCHITECT
222 SOUTH RIVER AVE.
HOLLAND, MI 49423
(616) 395-8235

KISS TECHNOLOGIES
New Facility
ELEVATIONS

THIS SEAL APPLIES TO THE FOLLOWING DOCUMENTS

SHEET NUMBER: A1 THRU A2

ALL DOCUMENTS UNDER THIS STAMP BEAR THE SAME ISSUE DATE AS THE SEALED COPY.

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, CONFORM TO THE APPLICABLE CODES AND ORDINANCES.

J. ANDREW BAER DATE

LICENSE EXPIRES 10-31-2018

THESE DRAWINGS MAY HAVE BEEN REPRODUCED AT A SCALE DIFFERENT THAN ORIGINALLY DRAWN. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR USE OF INCORRECT SCALE.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS. DO NOT SCALE DRAWINGS.

DATE:	ISSUED FOR:
06/27/17	PRELIMINARY ELEVS
08/11/17	REV. PRELIMINARY ELEV.
09/08/17	REV. PRELIMINARY ELEV.
09/19/17	PERMIT
~~09/28/17~~	REVISED

SHEET NO:

A2

LANDSCAPE STATISTICS

2.5 INCH MINIMUM CALIPER DECIDUOUS TREES	CANOPY TREE	LANDSCAPING AREA
ROAD FRONTAGE REQUIRED 1 FOR EVERY 30 FT. OF FRONTAGE (142 FT.)	5	-
FRONT YARD PROVIDED	**5**	-
PARKING REQUIRED 1 SQ. FT. FOR EVERY 10 SQ. FT. PARKING (3825 SQ. FT. PAVED PARKING AREA)	-	382 SQ. FT.
PROVIDED	-	400 SQ. FT.

- ALL NON LANDSCAPED AREAS ARE TO BE LAWN.

GRAPHIC SCALE
0 15 30
1 inch = 30 ft.

N

LANDSCAPING PLAN
KISS TECHNOLOGIES INC.
CITY OF HOLLAND

DESIGNED BY CRB	LATITUDE engineering, Inc.	DATE 10-4-2017
DRAWN BY MAB	7616 Clyde Park SW, Suite C Byron Center, MI 49315 616.583.1601 Fax: 616.583.1605	DRAWING NO. 1 OF 1
SCALE 1"=30'		

D:\SHARED\Projects\2017\L17068\Dwg\Current\L17068-Site.dwg - Landscape - October 04, 2017 - 10:01 AM

Scalable Illumination

Optical Excellence

Crosstour MAXX LED Wall Pack Luminaires deliver up to 7,416 lumens. Brilliant white 5000K or warm 3500K CCT color temperature LEDs provide uniform white light similar to traditional metal halide sources. Excellent color rendering with superior thermal management and optimized reflector and refractive technology make the Crosstour MAXX LED Wall Pack Luminaire a superior performer.

Delivered Lumens

NOTE: Delivered lumens are estimated. See IES photometric files.

Typical Application

Fixture	Lumens	Illumination Distance (Horizontal)	Forward Throw	Mounting Height	Average Illumination	B.U.G. Rating	Equivalent Equivalent
Full Cutoff Models							
85W Full Cutoff	7,192	200'	103'	12'-25'	90%	B1-U1-G1	400W
50W Full Cutoff	4,282	150'	75'	12'-25'	90%	B1-U1-G1	250W
Refractive Lens Models							
85W Refractive Lens	7,416	225'	97'	12'-35'	78%	B1-U3-G2	400W
50W Refractive Lens	4,554	175'	75'	12'-35'	78%	B1-U3-G2	250W

NOTE: Based on two fixtures, .91 LLF (Light Loss Factor). 1 XTOR9ARL B.U.G. Rating is B1-U3-G3.

Dark Sky Compliant Illumination

Highly polished optical reflector is optimized to project the light in a forward throw direction. When installed in a downlight orientation, the full cutoff door provides focused illumination with zero uplight and minimal high angle illumination while retaining superior uniformity.

K155 TREIA - 17048

McGraw-Edison

DESCRIPTION

The Ventus™ LED area luminaire provides uncompromising optical performance and outstanding versatility for a wide variety of area and roadway applications. Patent pending modular LightBAR™ technology delivers uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/cUL Listed for wet locations.

		Type
Catalog #		
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction
Die-cast aluminum frame secures thermally conductive, extruded aluminum heat sink to independent electrical chamber. Heavy-wall, die-cast aluminum housing and door isolates driver components for cooler operation. The unique construction allows for passive cooling and natural cleaning of the extruded heat sink ensuring reliable operation at 40°C high ambient conditions. Stainless steel fasteners and hinging allow access to electrical components for installation and maintenance. Optional tool-less hardware available for ease of entry into electrical chamber.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion, and is suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Cast aluminum 6" arm includes bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for contractor friendly arrival of product on site. Optional internal mast arm mount accepts a 1-1/4" to 2" O.D. horizontal tenon, while a two-bolt clamping mechanism secures fixture. Cast-in leveling guides provide +/-5° vertical leveling adjustment. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Cast components and arm finished in super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

Warranty
Five-year warranty.

VTS
VENTUS LED

2 - 12 LightBARs
Solid State LED

AREA LUMINAIRE

DIMENSIONS

DIMENSIONAL DATA

Number of LightBars	"A" Width	Weight		EPA (Square Feet)	
		Without Arm	With Arm	Without Arm	With Arm
2-4	12-7/8" [328mm]	24 lbs. [10.91 kgs.]	29 lbs. [13.16 kgs.]	0.94	1.06
6-8	18" [459mm]	30 lbs. [13.64 kgs.]	35 lbs. [15.91 kgs.]	[illegible]	1.37
9-12	25-7/8" [656mm]	39 lbs. [17.72 kgs.]	44 lbs. [20.00 kgs.]	[illegible]	[illegible]

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50Hz & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating
50°C Ambient Temperature Rating (HA option)

SHIPPING DATA

Approximate Net Weight:
(See Tabulated Reference Data)

N

SCALE: 1" = 20'

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Site lighting	+	0.2 fc	2.8 fc	0.0 fc	n/a	n/a

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lum Lum W	Total Watts
	B	1	21-0600	LED DOUBLE WALL PACK MOUNTED	24 LEDs LED SHEET	21-0600.ies	Atlanta	51
	A4H	4	VPF-SA-LED-D1-3K-HSS	15 WATTS LED SITE LUMINAIRE HOUSING WITH ADJUSTABLE - PITE TYPE III LIGHT DISTRIBUTION, HORIZONTAL HOUSE SIDE SHIELD	15 WATTS LED SHEET, 700 MA LED, 3000K CRI 70 MINIMUM, 25 YEARS PROJECTED LIFE, PROGRAMMABLE DRIVER CURRENT, 5 YEAR WARRANTY, 0 TO 10V DIMMING, 50,000 HOURS OF DRIVER LIFE	VPF-SA-LED-D1-3K-HSS.ies	Alpha	152
	A3S	1	VPF-SA-LED-D1-3K	15 WATTS LED SITE LUMINAIRE HOUSING WITH ADJUSTABLE - PITE TYPE III LIGHT DISTRIBUTION, SIDE SHIELD	15 WATTS LED SHEET, 700 MA LED, 3000K CRI 70 MINIMUM, 25 YEARS PROJECTED LIFE, PROGRAMMABLE DRIVER CURRENT, 5 YEAR WARRANTY, 0 TO 10V DIMMING, 50,000 HOURS OF DRIVER LIFE	VPF-SA-LED-D1-3K.ies	Alpha	152

SITE PHOTOMETRIC PLAN

David Heinzen Electrical Consultant
"Energy Saving Electrical Consultants"
David K. Heinzen, P.E.
Electrical Engineer
2584 Hawks View
Zeeland, MI 49464
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KISS TECHNOLOGIES INC.

CITY OF HOLLAND, ALLEGAN COUNTY, MICHIGAN

No.	Description	Date
	PLAN REVIEW	26 SEPT 2017

17045

Author

SITE PHOTOMETRIC PLAN

Checker

ES-1

Budget Performance Report

Fiscal Year to Date 11/10/17
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year Total
Fund	**Z01 - WMAA (Airport) General Fund**									
REVENUE										
Department	**541 - Business Center**									
490675.AIR	Private Donations WMAA - From Companies	.00	.00	.00	.00	.00	.00	.00	+++	136,580.00
490675.INDV	Private Donations WMAA - From Individuals	.00	.00	.00	.00	.00	.00	.00	+++	225.00
Department	**541 - Business Center** Totals	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	+++	$136,805.00
	REVENUE TOTALS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	+++	$136,805.00
EXPENSE										
Department	**541 - Business Center**									
721933.0	Equipment Maintenance General	8,000.00	2,830.00	10,830.00	.00	.00	.00	10,830.00	0	885.00
722801.9010	Contr-Printing/Promo Advertising/Promotional	.00	.00	.00	.00	.00	.00	.00	+++	65.00
722808.1	Contr-Bldgs&Grnds Janitorial	10,570.00	.00	10,570.00	.00	.00	.00	10,570.00	0	650.00
723850.0	Communications Telephone	2,400.00	.00	2,400.00	.00	.00	1,009.00	1,391.00	42	1,705.50
723850.WIFI	Communications WIFI Internet Connection	3,900.00	.00	3,900.00	.00	.00	.00	3,900.00	0	312.50
723920.BPW	Public Utilities BPW	13,500.00	.00	13,500.00	.00	.00	4,263.44	9,236.56	32	7,681.03
723920.GAS	Public Utilities Natural Gas	5,500.00	.00	5,500.00	.00	.00	147.80	5,352.20	3	1,246.04
723955.Q5	Misc. Signage/Billboards	.00	.00	.00	.00	.00	.00	.00	+++	15,934.86
723955.STRP	Misc. Stripe Fees	.00	.00	.00	.00	.00	.00	.00	+++	1.03
730975.0	Buildings & Structures General	.00	.00	.00	.00	.00	251,108.53	(251,108.53)	+++	310,768.17
730977.0	Machinery & Equipment General	.00	.00	.00	.00	.00	320.00	(320.00)	+++	60,012.37
Department	**541 - Business Center** Totals	$43,870.00	$2,830.00	$46,700.00	$0.00	$0.00	$256,848.77	($210,148.77)	550%	$399,261.50
Department	**546 - Airport East Connector Project**									
730974.0	Land Improvements General	.00	.00	.00	.00	.00	23,500.00	(23,500.00)	+++	.00
730975.0	Buildings & Structures General	.00	.00	.00	.00	.00	.00	.00	+++	1,150.00
Department	**546 - Airport East Connector Project** Totals	$0.00	$0.00	$0.00	$0.00	$0.00	$23,500.00	($23,500.00)	+++	$1,150.00
	EXPENSE TOTALS	$43,870.00	$2,830.00	$46,700.00	$0.00	$0.00	$280,348.77	($233,648.77)	600%	$400,411.50
Fund	**Z01 - WMAA (Airport) General Fund** Totals									
	REVENUE TOTALS	.00	.00	.00	.00	.00	.00	.00	+++	136,805.00
	EXPENSE TOTALS	43,870.00	2,830.00	46,700.00	.00	.00	280,348.77	(233,648.77)	600%	400,411.50
Fund	**Z01 - WMAA (Airport) General Fund** Totals	($43,870.00)	($2,830.00)	($46,700.00)	$0.00	$0.00	($280,348.77)	$233,648.77		($263,606.50)
	Grand Totals									
	REVENUE TOTALS	.00	.00	.00	.00	.00	.00	.00	+++	136,805.00
	EXPENSE TOTALS	43,870.00	2,830.00	46,700.00	.00	.00	280,348.77	(233,648.77)	600%	400,411.50
	Grand Totals	($43,870.00)	($2,830.00)	($46,700.00)	$0.00	$0.00	($280,348.77)	$233,648.77		($263,606.50)

Fund Equity Changes Report

Through 11/10/17
Detail Listing
Exclude Rollup Account

Account	Account Description	Beginning Balance	YTD Credits	YTD Debits	Current Balance	Prior Year Fund Equity Adjustment	YTD Revenues	YTD Expenses	Estimate Fund Balance
Fund Category	**GOVERNMENTAL**								
Fund Type	**GENERAL FUND**								
Fund	**Z01 - WMAA (Airport) General Fund**								
341390.A	Fund Balance - Assigned (By Action) Apron, Building & Sitework	314,815.00	.00	.00	314,815.00				
341390.E	Fund Balance - Assigned (By Action) For Emergencies	.00	.00	.00	.00				
341390.R	Fund Balance - Assigned (By Action) For Capital Acquisitions	142,421.00	.00	.00	142,421.00				
342390	Fund Balance-Unassigned	713,119.78	.00	.00	713,119.78				
345390.C	Fund Balance Committed (By Resolution) For Capital Projects	.00	.00	.00	.00				
345390.E	Fund Balance Committed (By Resolution) For Emergencies	.00	.00	.00	.00				
	Fund **Z01 - WMAA (Airport) General Fund** Totals	$1,170,355.78	$0.00	$0.00	$1,170,355.78	($141,581.63)	$289,122.60	$411,344.03	$906,552.72
	Fund Type **GENERAL FUND** Totals	$1,170,355.78	$0.00	$0.00	$1,170,355.78	($141,581.63)	$289,122.60	$411,344.03	$906,552.72
	Fund Category **GOVERNMENTAL** Totals	$1,170,355.78	$0.00	$0.00	$1,170,355.78	($141,581.63)	$289,122.60	$411,344.03	$906,552.72
	Grand Totals	$1,170,355.78	$0.00	$0.00	$1,170,355.78	($141,581.63)	$289,122.60	$411,344.03	$906,552.72

Budget Performance Report

Fiscal Year to Date 11/10/17
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year Total
Fund	**Z01 - WMAA (Airport) General Fund**									
REVENUE										
Department	**000 - General Revenues**									
420502.24	Federal Grant FAA Capital	.00	.00	.00	.00	.00	.00	.00	+++	1,269,984.49
430502.24	State Grant MDOT State Capital	.00	.00	.00	.00	.00	.00	.00	+++	481,249.27
440573	State-Reim Local PPT Tax Loss	.00	.00	.00	.00	.00	.00	.00	+++	21,951.97
450582.C	Contributions from Other Govts From City of Holland	98,400.00	.00	98,400.00	.00	.00	97,407.27	992.73	99	97,389.15
450582.P	Contributions from Other Govts From Park Township	104,000.00	.00	104,000.00	.00	.00	.00	104,000.00	0	96,516.70
450582.Z	Contributions from Other Govts From City of Zeeland	55,400.00	.00	55,400.00	.00	.00	48,478.68	6,921.32	88	60,737.98
460647.7	Sales Sale of Merchandise-Taxable	.00	.00	.00	10.00	.00	250.00	(250.00)	+++	.00
460654.1	Franchise Fees FBO Franchise Fees	22,400.00	.00	22,400.00	.00	.00	7,483.68	14,916.32	33	22,239.00
460654.5	Franchise Fees Fuel Flowage Fee	62,000.00	.00	62,000.00	.00	.00	22,321.26	39,678.74	36	74,625.28
460654.7	Franchise Fees Landing Fees	33,000.00	.00	33,000.00	.00	.00	10,883.40	22,116.60	33	33,249.45
480665.0	Investment Income General	2,500.00	.00	2,500.00	.00	.00	2,142.47	357.53	86	7,719.34
480665.X	Investment Income Market Adjustment	.00	.00	.00	.00	.00	.00	.00	+++	(3,205.58)
480669.A	Rental Airport Business Center	7,900.00	.00	7,900.00	.00	.00	2,628.84	5,271.16	33	6,032.60
480669.24	Rental Hangar Land Lease	85,000.00	.00	85,000.00	53,045.50	.00	81,539.00	3,461.00	96	92,183.61
480669.25	Rental Agricultural Land Lease	11,950.00	.00	11,950.00	.00	.00	.00	11,950.00	0	11,775.81
480669.26	Rental T-Hangars	53,000.00	.00	53,000.00	.00	.00	14,520.00	38,480.00	27	58,280.00
490685.1	Recoveries Insurance	.00	.00	.00	.00	.00	.00	.00	+++	21,082.78
490692.0	Miscellaneous General	.00	.00	.00	.00	.00	1,468.00	(1,468.00)	+++	7,370.50
	Department **000 - General Revenues** Totals	$535,550.00	$0.00	$535,550.00	$53,055.50	$0.00	$289,122.60	$246,427.40	54%	$2,359,182.35
	REVENUE TOTALS	$535,550.00	$0.00	$535,550.00	$53,055.50	$0.00	$289,122.60	$246,427.40	54%	$2,359,182.35
EXPENSE										
Department	**540 - Airport Operations**									
710701.0	Payroll-Regular General	.00	.00	.00	.00	.00	3,888.82	(3,888.82)	+++	8,368.74
710701.3	Payroll-Regular Allocated	17,600.00	.00	17,600.00	.00	.00	.00	17,600.00	0	.00
710707.0	Payroll-Temporary Help General	.00	.00	.00	323.75	.00	6,715.64	(6,715.64)	+++	28,998.05
710707.8	Payroll-Temporary Help Allocated	32,500.00	.00	32,500.00	.00	.00	.00	32,500.00	0	.00
711702.0	Payroll-Vacation/PTO General	500.00	.00	500.00	.00	.00	202.96	297.04	41	791.24
711703	Payroll-Holidays	500.00	.00	500.00	.00	.00	129.90	370.10	26	348.93
711716.1	Insurance Health	3,000.00	.00	3,000.00	.00	.00	1,065.73	1,934.27	36	11,565.78
711716.2	Insurance Dental	50.00	.00	50.00	.00	.00	17.14	32.86	34	48.36
711717	Insurance-Life & AD&D	25.00	.00	25.00	.00	.00	8.53	16.47	34	21.32
711718.1	Retirement Contribution MERS	325.00	.00	325.00	.00	.00	324.12	.88	100	633.52
711720	Insurance-Income Protection	50.00	.00	50.00	.00	.00	31.96	18.04	64	80.05
712715	Employer FICA/Medicare Contribution	1,500.00	.00	1,500.00	24.76	.00	802.77	697.23	54	2,785.44
712723	Unemployment Comp Insurance	25.00	.00	25.00	.00	.00	2.03	22.97	8	54.28
712724	Workers Comp Insurance	25.00	.00	25.00	.00	.00	4.95	20.05	20	13.69
721730.0	Postage General	200.00	.00	200.00	.00	.00	4,720.03	(4,520.03)	2360	66.10
721740.0	Operating Supplies General	500.00	.00	500.00	.00	.00	.00	500.00	0	2,544.78

Budget Performance Report

Fiscal Year to Date 11/10/17
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year Total
Fund	**Z01 - WMAA (Airport) General Fund**									
EXPENSE										
Department	**540 - Airport Operations**									
721740.CAP	Operating Supplies Controlled Items-Capital Type	.00	.00	.00	.00	.00	1,520.00	(1,520.00)	+++	.00
721905.0	Photocopies/In-House Printing General	100.00	.00	100.00	.00	.00	.00	100.00	0	.00
721931.0	Bldg & Grnds Maint General	10,000.00	2,625.00	12,625.00	.00	1,200.00	5,046.10	6,378.90	49	8,620.20
721933.0	Equipment Maintenance General	21,000.00	.00	21,000.00	.00	.00	4,975.40	16,024.60	24	20,390.23
721933.INS	Equipment Maintenance Repairs-Insurance Claims	.00	.00	.00	.00	.00	.00	.00	+++	22,210.00
722801.9000	Contr-Printing/Promo Printing	.00	.00	.00	2,077.58	.00	2,130.57	(2,130.57)	+++	5,309.66
722801.9010	Contr-Printing/Promo Advertising/Promotional	40,000.00	1,700.00	41,700.00	.00	.00	19,779.90	21,920.10	47	20,254.32
722804.0	Contractual-Legal General	4,000.00	.00	4,000.00	909.95	.00	3,794.59	205.41	95	11,045.25
722805.1	Contractual-Finance Independent Audit	7,600.00	.00	7,600.00	.00	.00	6,660.00	940.00	88	7,350.00
722805.4	Contractual-Finance Financial Service Fees	.00	.00	.00	.00	.00	93.94	(93.94)	+++	274.92
722807.5	Contractual-Architect/Engineer Engineering	5,000.00	.00	5,000.00	.00	.00	.00	5,000.00	0	.00
722808.1	Contr-Bldgs&Grnds Janitorial	.00	.00	.00	.00	.00	.00	.00	+++	625.00
722808.MOW	Contr-Bldgs&Grnds Mowing	26,000.00	.00	26,000.00	.00	.00	15,071.03	10,928.97	58	25,876.63
722808.MTCE	Contr-Bldgs&Grnds Maintenance-General Repairs	20,000.00	.00	20,000.00	650.00	.00	8,692.20	11,307.80	43	20,424.45
722808.SNOW	Contr-Bldgs&Grnds Snowplowing	65,000.00	.00	65,000.00	.00	.00	.00	65,000.00	0	37,013.26
722809.61	Contractual-Misc Management Services	24,500.00	.00	24,500.00	2,039.16	.00	10,195.88	14,304.12	42	29,160.00
722809.62	Contractual-Misc Airport Manager-Tulip City Air	4,000.00	.00	4,000.00	.00	.00	388.47	3,611.53	10	2,712.59
723850.0	Communications Telephone	.00	.00	.00	.00	.00	572.06	(572.06)	+++	2,981.35
723850.CELL	Communications Cellular	.00	.00	.00	.00	.00	200.00	(200.00)	+++	600.00
723850.WIFI	Communications WIFI Internet Connection	.00	.00	.00	.00	.00	.00	.00	+++	625.00
723860.0	Travel, Conf, Seminars General	1,500.00	.00	1,500.00	.00	.00	600.00	900.00	40	786.82
723910.0	Commercial Insurance Premiums General	26,000.00	.00	26,000.00	.00	.00	23,886.00	2,114.00	92	25,113.00
723920.BPW	Public Utilities BPW	.00	.00	.00	.00	.00	.00	.00	+++	9,179.42
723920.GAS	Public Utilities Natural Gas	.00	.00	.00	.00	.00	.00	.00	+++	2,983.13
723920.GATE	Public Utilities Fence Gates	500.00	.00	500.00	.00	.00	368.83	131.17	74	1,111.16
723920.LAND	Public Utilities Landing Lights & System	4,000.00	.00	4,000.00	.00	.00	959.90	3,040.10	24	4,091.88
723920.PLOT	Public Utilities Parking Lot Lights	900.00	.00	900.00	.00	.00	224.08	675.92	25	887.19
723920.RUNW	Public Utilities Runway Lights	6,000.00	.00	6,000.00	.00	.00	1,287.92	4,712.08	21	7,172.35
723920.THAN	Public Utilities T-Hangars	3,300.00	.00	3,300.00	.00	.00	508.78	2,791.22	15	3,826.00
723955.0	Misc. General	2,300.00	.00	2,300.00	.00	.00	3,403.53	(1,103.53)	148	4,075.37
723955.STRP	Misc. Stripe Fees	.00	.00	.00	.00	.00	3.09	(3.09)	+++	.00
723961.0	Dues & Subscriptions General	400.00	.00	400.00	.00	.00	315.00	85.00	79	295.00
723962.0	Assessments & Taxes General	.00	.00	.00	.00	.00	.00	.00	+++	15,822.80
723963.2	Write-Offs Uncoll Property Taxes	.00	.00	.00	.00	.00	.00	.00	+++	13.36
723964.2	Refunds Property Tax Prior Years	.00	.00	.00	.00	.00	.00	.00	+++	714.39
730974.0	Land Improvements General	.00	.00	.00	.00	.00	2,403.41	(2,403.41)	+++	4,341.34
730975.0	Buildings & Structures General	.00	.00	.00	.00	.00	.00	.00	+++	1,884,951.13
730980.0	Office Equipment/Furniture General	2,000.00	.00	2,000.00	.00	.00	.00	2,000.00	0	.00

Budget Performance Report

Fiscal Year to Date 11/10/17
Exclude Rollup Account

Account	Account Description	Adopted Budget	Budget Amendments	Amended Budget	Current Month Transactions	YTD Encumbrances	YTD Transactions	Budget - YTD Transactions	% Used/ Rec'd	Prior Year Total
Fund	**Z01 - WMAA (Airport) General Fund**									
EXPENSE										
Department	**540 - Airport Operations**									
770956.0	Contingency General	160,780.00	.00	160,780.00	.00	.00	.00	160,780.00	0	.00
	Department **540 - Airport Operations** Totals	$491,680.00	$4,325.00	$496,005.00	$6,025.20	$1,200.00	$130,995.26	$363,809.74	27%	$2,237,157.48
	EXPENSE TOTALS	$491,680.00	$4,325.00	$496,005.00	$6,025.20	$1,200.00	$130,995.26	$363,809.74	27%	$2,237,157.48
	Fund **Z01 - WMAA (Airport) General Fund** Totals									
	REVENUE TOTALS	535,550.00	.00	535,550.00	53,055.50	.00	289,122.60	246,427.40	54%	2,359,182.35
	EXPENSE TOTALS	491,680.00	4,325.00	496,005.00	6,025.20	1,200.00	130,995.26	363,809.74	27%	2,237,157.48
	Fund **Z01 - WMAA (Airport) General Fund** Totals	$43,870.00	($4,325.00)	$39,545.00	$47,030.30	($1,200.00)	$158,127.34	($117,382.34)		$122,024.87
	Grand Totals									
	REVENUE TOTALS	535,550.00	.00	535,550.00	53,055.50	.00	289,122.60	246,427.40	54%	2,359,182.35
	EXPENSE TOTALS	491,680.00	4,325.00	496,005.00	6,025.20	1,200.00	130,995.26	363,809.74	27%	2,237,157.48
	Grand Totals	$43,870.00	($4,325.00)	$39,545.00	$47,030.30	($1,200.00)	$158,127.34	($117,382.34)		$122,024.87

Trial Balance Listing

Through 11/10/17
Detail Balance Sheet Listing
Exclude Rollup Account

Account	Account Description	Balance Forward	YTD Debits	YTD Credits	Ending Balance	Prior Year YTD Balance
Fund	**Z01 - WMAA (Airport) General Fund**					
CURRENT ASSETS						
110001.675	Cash Due from Cash/Inv Pool	789,881.24	279,145.07	505,019.45	564,006.86	636,696.25
113040.0	Accounts Receivable General	14,795.04	150,788.97	107,301.57	58,282.44	33,529.23
11304P	Accounts Receivable In/Out	.00	24,945.50	24,945.50	.00	.00
114026.2011	Taxes Receivable 2011	1.20	.00	.00	1.20	67.91
114026.2012	Taxes Receivable 2012	38.30	.00	.38	37.92	38.54
114026.2013	Taxes Receivable 2013	28.13	.00	.14	27.99	32.88
114026.2014	Taxes Receivable 2014	33.06	.00	.28	32.78	39.11
114026.2015	Taxes Receivable 2015	32.96	.00	1.58	31.38	58.64
114026.2016	Taxes Receivable 2016	51.28	.00	.19	51.09	.00
114027.2012	IFT Taxes Receivable 2012	40.65	.00	.00	40.65	40.65
114031	Allowance for Uncollectible Taxes	(217.26)	.00	.00	(217.26)	(277.73)
118123.I	Prepaid Items Insurance	12,334.00	.00	12,334.00	.00	.00
119073.3	Due from Local Govt Units Due from Zeeland City	32.60	48,478.68	48,511.28	.00	54.06
119078.1	Due from State of Michigan Due from State-Aeronautics	284,257.67	.00	.00	284,257.67	418,427.01
	CURRENT ASSETS Totals	$1,101,308.87	$503,358.22	$698,114.37	$906,552.72	$1,088,706.55
CURRENT LIABILITIES						
210202.0	Accounts Payable General	(28,154.47)	481,403.57	453,249.10	.00	.00
211202	Contracts Payable	(43,442.99)	53,859.99	10,417.00	.00	.00
212257.0	Accrued Wages Payable General	(432.00)	432.00	.00	.00	.00
212262.1	Accrued Fringes Payable FICA-Social Security/Medicare	(33.05)	33.05	.00	.00	.00
21B339.0	Deferred Revenue General	(472.21)	472.21	.00	.00	.00
	CURRENT LIABILITIES Totals	($72,534.72)	$536,200.82	$463,666.10	$0.00	$0.00
FUND BALANCE						
341390.A	Fund Balance - Assigned (By Action) Apron, Building & Sitework	(314,815.00)	.00	.00	(314,815.00)	(314,815.00)
341390.E	Fund Balance - Assigned (By Action) For Emergencies	.00	.00	.00	.00	(25,000.00)
341390.R	Fund Balance - Assigned (By Action) For Capital Acquisitions	(142,421.00)	.00	.00	(142,421.00)	(142,421.00)
342390	Fund Balance-Unassigned	(713,119.78)	.00	.00	(713,119.78)	(688,119.78)
	FUND BALANCE Totals	($1,170,355.78)	$0.00	$0.00	($1,170,355.78)	($1,170,355.78)
	P/Y Fund Equity Adjustment	141,581.63	.00	.00	141,581.63	.00
	Fund Revenues	.00	1.70	289,124.30	(289,122.60)	(314,848.61)
	Fund Expenses	.00	411,394.03	50.00	411,344.03	396,497.84
	Fund **Z01 - WMAA (Airport) General Fund** Totals	$0.00	$1,450,954.77	$1,450,954.77	$0.00	$0.00
	Grand Totals	$0.00	$1,450,954.77	$1,450,954.77	$0.00	$0.00

WMAA Fund Balance as of 6/30/17				$ 1,028,774.15
	Operating	Capital	EEC Project	
Year to date Revenues	289,122.60	-	-	$ 289,122.60
Year to date Expenses	130,995.26	256,848.77	23,500.00	$ 411,344.03
Estimated Fund Balance as of 11/10/17				$ 906,552.72
	Budget	YTD		
Remaining Operating Revenues	535,550.00	289,122.60		$ 246,427.40
	Budget	YTD	Encumbrances	
Remaining Operating Expenses	335,225.00	130,995.26	2,900.00	$ 201,329.74
Ending Fund Balance as of 11/10/17				$ 951,650.38
1. Other Expected Expenses:				
FY18 Capital Expenses		71,500.00		$ 71,500.00
2. Ending Fund balance after expected capital expenses				$ 880,150.38

FY15 Donations	25,500.00
FY16 donations	289,315.00
FY17 Donations	136,805.00
FY18 Donations	-
Total Donations to Date	451,620.00