

AGENDA
JERRY SUMNERS SR.
AURORA MUNICIPAL AIRPORT

SPECIAL SESSION MINUTES
CITY HALL COUNCIL CHAMBERS
WEDNESDAY
JUNE 3, 2015 5:30 P.M.

I. CALL TO ORDER:

Chairman Barton called the meeting to order. Time noted was approximately 5:30 p.m.

- II. ROLL CALL:*
- | | |
|----------------|------------------------------|
| Chairman: | Darrin Barton |
| Vice Chairman: | Eddie Breeding |
| Board Member: | Ike McRoberts |
| Board Member: | Richard Werner –noted absent |
- Others in attendance: FBO Justin Richmond, Council Liaison Rosemary Henderson, City Manager Mike Randall, Don Francisco, Airport Administrator Donna Elery Lochner Representatives Chris Monroe and Mike Waller

Chairman Barton moved the Lochner presentation to the beginning of agenda. See notes below.

III. APPROVAL OF MEETING MINUTES

- A. Approval of the Meeting Minutes of April 29, 2015
A quorum of Members present at the April 29th meeting was not available
- B. Approval of the Meeting Minutes of May 27, 2015
Vice Chairman Breeding made a motion to approve the minutes as submitted. Board Member McRoberts seconded the motion. All Members present voted in favor of the motion.

IV. NEW BUSINESS

- A. Consideration of Earthworks Invoice 2 – Final (Project 13-091B-3 Demolition) and Make Recommendation to City Council
Vice Chairman Breeding made a motion to make a recommendation to City Council to approve payment of Earthworks Invoice 2. Board Member McRoberts seconded the motion. All Members present voted in favor of the motion.

B. Consideration of Lochner Invoice 7330-2 (Sealcoat Project 15-091B-1) and Make Recommendation to City Council

Vice Chairman Breeding made a motion to make a recommendation to City Council to approve payment of Lochner Invoice 7330-2. Board Member McRoberts seconded the motion. All Members present voted in favor of the motion.

C. Consideration of Lochner Invoice 9343-14 (ALP/AGIS Project 13-091B-2) and Make Recommendation to City Council

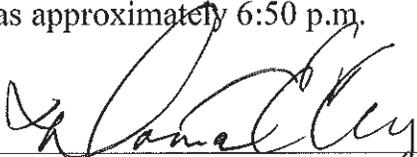
Vice Chairman Breeding made a motion to make a recommendation to City Council to approve payment of Lochner Invoice 9343-14. Board Member McRoberts seconded the motion. All Members present voted in favor of the motion.

D. Lochner Presentation of Development Plan

Chris Monroe of Lochner presented the Working Paper 1. FBO Justin Richmond noted several corrections that needed to be made. Mr. Monroe noted the changes and advised the Board that Lochner and MoDOT would be back in approximately 6 weeks to discuss the future development planning documents. A copy of the powerpoint presentation is attached hereto, incorporated herein, in reference by as "Exhibit A"

V. *ADJOURNMENT*

Vice Chairman Breeding made a motion to adjourn. Board Member McRoberts seconded the motion. All Members present voted in favor of the motion. Time noted was approximately 6:50 p.m.

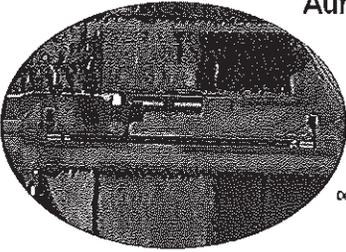


Donna Elery Airport Administrator



Darrin Barton Chairman

Approved: 7.22-15



**Jerry Summers Sr.
Aurora Municipal
Airport (2H2)**
City of Aurora, Missouri

Airport Development Plan
Project Meeting No. 1
Existing Conditions,
Demand Forecasts, Facility Requirements
June 3, 2015

LOCHNER

Planning Process

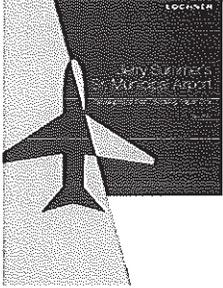
- Inventory/Existing Conditions
- Demand Forecasts
- Facility Requirements
- Alternatives Analysis
- CIP Development/Phasing Plan
- Airport Layout Drawing Set



Jerry Summers Sr. Aurora Municipal Airport (2H2) **LOCHNER**

Presentation Overview

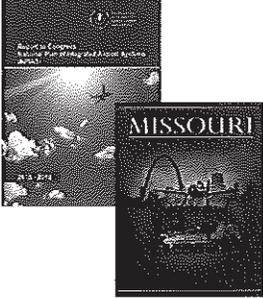
- Inventory/Existing Conditions
- Demand Forecasts
- Facility Requirements
- Comments/Questions



Jerry Summers Sr. Aurora Municipal Airport (2H2) **LOCHNER**

Existing Conditions

- Airport Role and Classification
- Local Airports/Characteristics
- Airfield/Terminal Area Facilities
- General Aviation Activity
- Wind Analysis



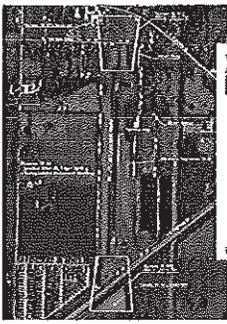
Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Existing Conditions *Aeronautical Role*

- National Plan of Integrated Airport Systems (NPIAS)
 - Service Level: General Aviation
 - General Aviation Category: Local (per ASSET)
- Missouri State Airport System Plan
 - Business Airport
 - Meet at least ARC B-II
 - R/W length of 4,000' min and width of 75'
 - MIRL and TW Reflectors
 - ASOS/AWOS
 - Accommodate 60% based aircraft in hangars
 - AvGas, Jet-A as needed

Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

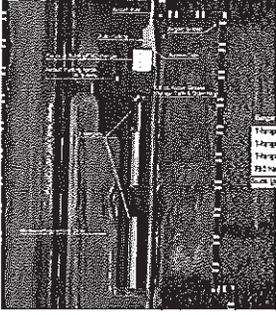
Existing Conditions *Existing Airfield Facilities*



**Table 1.2
Airfield Facilities Summary**

Facility Name	Physical Description	Condition
Runway 28/36	4,000 x 100'	Very Good
Runway 14/32	4,000 x 100'	Very Good
Runway 10/30	4,000 x 100'	Very Good
Runway 16/34	4,000 x 100'	Very Good
Runway 12/30	4,000 x 100'	Very Good
Runway 18/36	4,000 x 100'	Very Good
Runway 24/30	4,000 x 100'	Very Good
Runway 30/30	4,000 x 100'	Very Good
Runway 36/36	4,000 x 100'	Very Good
Runway 42/30	4,000 x 100'	Very Good
Runway 48/30	4,000 x 100'	Very Good
Runway 54/30	4,000 x 100'	Very Good
Runway 60/30	4,000 x 100'	Very Good
Runway 66/30	4,000 x 100'	Very Good
Runway 72/30	4,000 x 100'	Very Good
Runway 78/30	4,000 x 100'	Very Good
Runway 84/30	4,000 x 100'	Very Good
Runway 90/30	4,000 x 100'	Very Good
Runway 96/30	4,000 x 100'	Very Good
Runway 102/30	4,000 x 100'	Very Good
Runway 108/30	4,000 x 100'	Very Good
Runway 114/30	4,000 x 100'	Very Good
Runway 120/30	4,000 x 100'	Very Good
Runway 126/30	4,000 x 100'	Very Good
Runway 132/30	4,000 x 100'	Very Good
Runway 138/30	4,000 x 100'	Very Good
Runway 144/30	4,000 x 100'	Very Good
Runway 150/30	4,000 x 100'	Very Good
Runway 156/30	4,000 x 100'	Very Good
Runway 162/30	4,000 x 100'	Very Good
Runway 168/30	4,000 x 100'	Very Good
Runway 174/30	4,000 x 100'	Very Good
Runway 180/30	4,000 x 100'	Very Good
Runway 186/30	4,000 x 100'	Very Good
Runway 192/30	4,000 x 100'	Very Good
Runway 198/30	4,000 x 100'	Very Good
Runway 204/30	4,000 x 100'	Very Good
Runway 210/30	4,000 x 100'	Very Good
Runway 216/30	4,000 x 100'	Very Good
Runway 222/30	4,000 x 100'	Very Good
Runway 228/30	4,000 x 100'	Very Good
Runway 234/30	4,000 x 100'	Very Good
Runway 240/30	4,000 x 100'	Very Good
Runway 246/30	4,000 x 100'	Very Good
Runway 252/30	4,000 x 100'	Very Good
Runway 258/30	4,000 x 100'	Very Good
Runway 264/30	4,000 x 100'	Very Good
Runway 270/30	4,000 x 100'	Very Good
Runway 276/30	4,000 x 100'	Very Good
Runway 282/30	4,000 x 100'	Very Good
Runway 288/30	4,000 x 100'	Very Good
Runway 294/30	4,000 x 100'	Very Good
Runway 300/30	4,000 x 100'	Very Good
Runway 306/30	4,000 x 100'	Very Good
Runway 312/30	4,000 x 100'	Very Good
Runway 318/30	4,000 x 100'	Very Good
Runway 324/30	4,000 x 100'	Very Good
Runway 330/30	4,000 x 100'	Very Good
Runway 336/30	4,000 x 100'	Very Good
Runway 342/30	4,000 x 100'	Very Good
Runway 348/30	4,000 x 100'	Very Good
Runway 354/30	4,000 x 100'	Very Good
Runway 360/30	4,000 x 100'	Very Good
Runway 366/30	4,000 x 100'	Very Good
Runway 372/30	4,000 x 100'	Very Good
Runway 378/30	4,000 x 100'	Very Good
Runway 384/30	4,000 x 100'	Very Good
Runway 390/30	4,000 x 100'	Very Good
Runway 396/30	4,000 x 100'	Very Good
Runway 402/30	4,000 x 100'	Very Good
Runway 408/30	4,000 x 100'	Very Good
Runway 414/30	4,000 x 100'	Very Good
Runway 420/30	4,000 x 100'	Very Good
Runway 426/30	4,000 x 100'	Very Good
Runway 432/30	4,000 x 100'	Very Good
Runway 438/30	4,000 x 100'	Very Good
Runway 444/30	4,000 x 100'	Very Good
Runway 450/30	4,000 x 100'	Very Good
Runway 456/30	4,000 x 100'	Very Good
Runway 462/30	4,000 x 100'	Very Good
Runway 468/30	4,000 x 100'	Very Good
Runway 474/30	4,000 x 100'	Very Good
Runway 480/30	4,000 x 100'	Very Good
Runway 486/30	4,000 x 100'	Very Good
Runway 492/30	4,000 x 100'	Very Good
Runway 498/30	4,000 x 100'	Very Good
Runway 504/30	4,000 x 100'	Very Good
Runway 510/30	4,000 x 100'	Very Good
Runway 516/30	4,000 x 100'	Very Good
Runway 522/30	4,000 x 100'	Very Good
Runway 528/30	4,000 x 100'	Very Good
Runway 534/30	4,000 x 100'	Very Good
Runway 540/30	4,000 x 100'	Very Good
Runway 546/30	4,000 x 100'	Very Good
Runway 552/30	4,000 x 100'	Very Good
Runway 558/30	4,000 x 100'	Very Good
Runway 564/30	4,000 x 100'	Very Good
Runway 570/30	4,000 x 100'	Very Good
Runway 576/30	4,000 x 100'	Very Good
Runway 582/30	4,000 x 100'	Very Good
Runway 588/30	4,000 x 100'	Very Good
Runway 594/30	4,000 x 100'	Very Good
Runway 600/30	4,000 x 100'	Very Good
Runway 606/30	4,000 x 100'	Very Good
Runway 612/30	4,000 x 100'	Very Good
Runway 618/30	4,000 x 100'	Very Good
Runway 624/30	4,000 x 100'	Very Good
Runway 630/30	4,000 x 100'	Very Good
Runway 636/30	4,000 x 100'	Very Good
Runway 642/30	4,000 x 100'	Very Good
Runway 648/30	4,000 x 100'	Very Good
Runway 654/30	4,000 x 100'	Very Good
Runway 660/30	4,000 x 100'	Very Good
Runway 666/30	4,000 x 100'	Very Good
Runway 672/30	4,000 x 100'	Very Good
Runway 678/30	4,000 x 100'	Very Good
Runway 684/30	4,000 x 100'	Very Good
Runway 690/30	4,000 x 100'	Very Good
Runway 696/30	4,000 x 100'	Very Good
Runway 702/30	4,000 x 100'	Very Good
Runway 708/30	4,000 x 100'	Very Good
Runway 714/30	4,000 x 100'	Very Good
Runway 720/30	4,000 x 100'	Very Good
Runway 726/30	4,000 x 100'	Very Good
Runway 732/30	4,000 x 100'	Very Good
Runway 738/30	4,000 x 100'	Very Good
Runway 744/30	4,000 x 100'	Very Good
Runway 750/30	4,000 x 100'	Very Good
Runway 756/30	4,000 x 100'	Very Good
Runway 762/30	4,000 x 100'	Very Good
Runway 768/30	4,000 x 100'	Very Good
Runway 774/30	4,000 x 100'	Very Good
Runway 780/30	4,000 x 100'	Very Good
Runway 786/30	4,000 x 100'	Very Good
Runway 792/30	4,000 x 100'	Very Good
Runway 798/30	4,000 x 100'	Very Good
Runway 804/30	4,000 x 100'	Very Good
Runway 810/30	4,000 x 100'	Very Good
Runway 816/30	4,000 x 100'	Very Good
Runway 822/30	4,000 x 100'	Very Good
Runway 828/30	4,000 x 100'	Very Good
Runway 834/30	4,000 x 100'	Very Good
Runway 840/30	4,000 x 100'	Very Good
Runway 846/30	4,000 x 100'	Very Good
Runway 852/30	4,000 x 100'	Very Good
Runway 858/30	4,000 x 100'	Very Good
Runway 864/30	4,000 x 100'	Very Good
Runway 870/30	4,000 x 100'	Very Good
Runway 876/30	4,000 x 100'	Very Good
Runway 882/30	4,000 x 100'	Very Good
Runway 888/30	4,000 x 100'	Very Good
Runway 894/30	4,000 x 100'	Very Good
Runway 900/30	4,000 x 100'	Very Good
Runway 906/30	4,000 x 100'	Very Good
Runway 912/30	4,000 x 100'	Very Good
Runway 918/30	4,000 x 100'	Very Good
Runway 924/30	4,000 x 100'	Very Good
Runway 930/30	4,000 x 100'	Very Good
Runway 936/30	4,000 x 100'	Very Good
Runway 942/30	4,000 x 100'	Very Good
Runway 948/30	4,000 x 100'	Very Good
Runway 954/30	4,000 x 100'	Very Good
Runway 960/30	4,000 x 100'	Very Good
Runway 966/30	4,000 x 100'	Very Good
Runway 972/30	4,000 x 100'	Very Good
Runway 978/30	4,000 x 100'	Very Good
Runway 984/30	4,000 x 100'	Very Good
Runway 990/30	4,000 x 100'	Very Good
Runway 996/30	4,000 x 100'	Very Good
Runway 1002/30	4,000 x 100'	Very Good

Existing Conditions Existing Landside Facilities

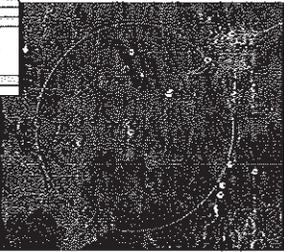


Facility Name	Notes	Year	Condition
Terminal 1	Terminal	1978	Good
Terminal 2	Terminal	1978	Fair
Terminal 3	Terminal	1978	Fair
Terminal 4	Terminal	1978	Good

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Existing Conditions Service Area & Local Competing Airports

FAA Name	ICAO Name	City	State	Distance (Miles)
1K0 (Aurora Municipal)	1K0	Aurora	IL	0
1K1 (Aurora Municipal)	1K1	Aurora	IL	0
1K2 (Aurora Municipal)	1K2	Aurora	IL	0
1K3 (Aurora Municipal)	1K3	Aurora	IL	0
1K4 (Aurora Municipal)	1K4	Aurora	IL	0
1K5 (Aurora Municipal)	1K5	Aurora	IL	0
1K6 (Aurora Municipal)	1K6	Aurora	IL	0
1K7 (Aurora Municipal)	1K7	Aurora	IL	0
1K8 (Aurora Municipal)	1K8	Aurora	IL	0
1K9 (Aurora Municipal)	1K9	Aurora	IL	0
1K0 (Aurora Municipal)	1K0	Aurora	IL	0



- 20-mile radius service area determined from NPIAS criteria.
- Local airports can influence demand and actual service area of 2H2 based on competing services.

Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Existing Conditions Instrument Approach Procedures

Category	Category A Aircraft		Category B Aircraft		Category C Aircraft		Category D Aircraft	
	CEILING Minimum (AGL)	Visibility (Miles)						
RUNWAY 11								
IF	500'	1-3/4	500'	1-3/4	—	—	—	—
UNAT/UNAV	500'	1-3/4	500'	1-3/4	—	—	—	—
Ordn	510'	1-3/4	510'	1-3/4	—	—	—	—
RUNWAY 35								
IF	650'	1-3/4	650'	1-3/4	—	—	—	—
UNAV	650'	1-3/4	650'	1-3/4	—	—	—	—
Ordn	670'	1-3/4	670'	1-3/4	—	—	—	—
RUNWAY 14/M								
VOR/DME-A	510'	1-3/4	510'	1 1/4 - Miles	510'	1 1/4 - Miles	—	—

Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Demand Forecasts *Overview*

- Factors Affecting Future Demand
 - Airport Service Area
 - Local Socioeconomic Conditions
 - National Trends
- Forecast Methodologies
 - Market Share
 - Regression Analyses
 - Linear Trends
 - FAA Growth Rates
 - Judgment and Professional Experience
- Based Aircraft Forecasts
- Operational Forecasts
- Ultimate Critical Aircraft
- Summary



Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Demand Forecasts *Based Aircraft Forecasts*

Table 2.2
Forecast of Based Aircraft Summary, 2014-2034

Forecast Methodology	2014	Short Term (0-5 Years)	Mid Term (6-10 Years)	Long Term (11-35 Years)
FAA Terminal Area Forecasts	31	33	33	31
Scenario One (0.6%)	31	32	34	38
Scenario Two (2.0%)	31	33	36	47
Scenario Three (3.1%)	31	37	43	58

Notes:

- Low Scenario – 0.6% = Average Annual Population Growth Rate of Lawrence County and surrounding counties
- Moderate Scenario – 2.0% = Average Annual Population Growth, FAA Turbine Growth rate, and average annual median household income (1.85%) (Preferred)
- High Scenario – 3.1% = Average Annual Population Growth for region and FAA Turbine Growth

Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Demand Forecasts *Based Aircraft Fleet Mix Forecast*

Table 2.3
Preferred Based Aircraft and Fleet Mix Summary, 2014-2034

Aircraft Category	2014	Short Term (0-5 Years)	Mid Term (6-10 Years)	Long Term (11-35 Years)
Single Engine	15	15	15	15
Multi-Engine	16	18	19	23
Turboprop	0	0	0	0
Turbine	0	0	0	0
Unusable	0	0	0	0
Total Based Aircraft	31	33	34	38

Notes:
Based on FAA Turbine Growth Rate and Scenario One (0.6%)



Jerry Sumners Sr. Aurora Municipal Airport (2H2) LOCHNER

Facility Requirements Fuel Storage Requirements

Table 3.11

Fuel Storage Needs Summary

Operational & Capacity Data	2021 Fueling Operations			
	Fueling	Start Time	Add Items	Long Term
	05:00-06:00	06:30-07:00	07:30-08:00	08:30-09:00
Average Day of the Peak Month Operations	41	42	56	39
Time Period of Operations	8:00	8:00	7:00	5:00
Galons per Operation	4.0	4.0	3.0	3.0
Fuel Storage (gallons)	1,640	1,680	1,680	1,170
ATA Fueling Operations				
Average Day of the Peak Month Operations	—	800	845	1,120
Time Period of Operations	—	8:00	8:00	8:00
Galons per Operation	—	4.0	4.0	4.0
Fuel Storage (gallons)	—	3,200	3,360	4,480

Notes:

1. Based on average capacity.
2. Factor for 10% of the total fuel for the day's operations.

- Current storage = 8,600 gallons 100LL

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What's Next?

- Develop Airfield and Terminal Area Alternatives;
- Choose a preferred/recommended Airfield and Terminal Area Development Alternative;
- Complete CIP/Phasing Plan chapter;
- Prepare and finalize Airport Layout Plan (ALP); and
- Submit to FAA and State agency for review and comment

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Questions?

Comments, Questions, and
General Discussion

Jerry Summers Sr. Aurora Municipal Airport (2H2) **LOCHNER**
