

Village of Itasca

550 W. Irving Park Rd., Itasca, Illinois 60143-2018

Committee of the Whole Meeting Agenda May 17, 2016

(Immediately following Village Board Meeting)
(Upstairs Board Room)

President: Jeffery J. Pruyn
Trustees: Jeff Aiani
Marty Hower
Michael J. Latoria
Ellen Leahy
Frank J. Madaras
Lucy Santorsola
Clerk: Melody J. Craven
Administrator: Evan Teich

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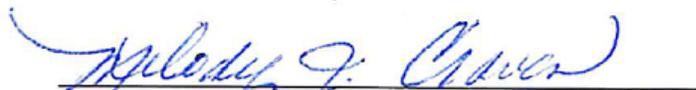
1. Call to Order; Roll Call
2. Pledge of Allegiance
3. Audience Participation
4. President's Comments
5. Community Development Committee
Trustee Latoria, Chairperson
6. Administration Committee
Trustee Santorsola, Chairperson
7. Environmental Committee
Trustee Leahy, Chairperson
8. Finance Committee
Trustee Hower, Chairperson
9. Public Safety Committee
Trustee Madaras, Chairperson
10. Public Works/Infrastructure Committee
Trustee Aiani, Chairperson
11. Department Head Reports
 - a. Discussion and possible action concerning Suburban O'Hare Commission (SOC)
Funding of the Next Phase of Analysis for Fly Quiet II

Documents: [FLY QUIET MEMO.PDF](#)

12. Executive Session

13. Adjournment


Evan Teich, Village Administrator


Melody J. Craven, Village Clerk



Village of Itasca

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MEMORANDUM

TO: Jeffery Pruyn, Village President
Village Board of Trustees

FROM: Evan Teich, Village Administrator

DATE: May 10, 2016

SUBJECT: Funding of the Next Phase of Analysis for Fly Quiet II

At the May 10, 2016 Suburban O'Hare Commission meeting attended by the Mayor and I, we received a proposal from JDA, SOC's aviation experts, to review, analyze and work with the CDA on the findings from the six month runway rotation plan approved by the ONCC this past week. Our main goal is to try and get the Chicago Department of Aviation to adopt a "permanent" Runway Rotational Plan that helps reduce overall nighttime noise (11pm-5am) over Itasca and that of our neighboring communities. I say, "permanent" because this plan would only be good for about two years until the long diagonal runway 28L-14R) is closed. At that point, the plan would need to be adjusted to account for the removal of this runway from the rotation plan and a new rotation plan devised.

Attached are two documents. The first is the scope of services (3 pages) and the other is a cost quote of \$161,228 for JDA's services and travel expenses.

SOC is asking its member communities for funding at a level each is comfortable at and provide that information by the end of May. Mayor Pruyn and I spoke after the meeting today and while the proposed FY 2016-17 Budget has \$50,000 in it for SOC, we believe that there will be a need for additional funding past this next phase of JDA's work and potentially for other SOC related expenses. Therefore, we are requesting the approval to pledge \$20,000 for this next phase leaving \$30,000 in the budget for future expenses related to SOC/O'Hare Noise.

Please be advised that the current runway rotation plan is for a six month period and when the period is over they will go back to what is in place today, nothing. We will need to have the ONCC recommend to the CDA and the FAA a new plan and that is why we believe we need JDA to analyze the results of the six month pilot.

Metrics

Current Reporting

1. Runway Utilization FQ II
2. LAEQN Heat Map FQ II (was NL – LAEQN was a compromise to accommodate CDA/FAA’s aversion to DNL)
3. LAEQN SOC Community Bar Charts FQ II
4. Overflights FQ II

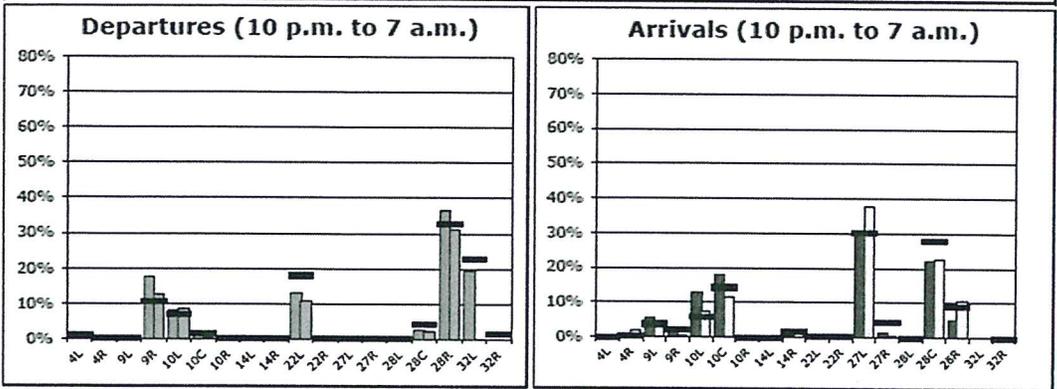
It is important that we consider what CDA will be reporting for the test period. Per L&B, CDA will report three things for the RRP test period.

1. Noise monitor data (this is DNL and includes daytime operations) and runway use data (current ANMS reports day and night time)

Aircraft Noise Report		Chicago O'Hare International Airport																	
Period: March 2016		Metric: Aircraft DNL																	
RMT #	Community	Last 12 Months Monitored Noise Levels													Last Mar 15	12 Month Average vs 1997 ²	Modeled 1997 Values	Modeled 2000 Values	Modeled CMP Build Out Values
		Apr 15	May 15	Jun 15	Jul 15	Aug 15	Sep 15	Oct 15	Nov 15	Dec 15	Jan 16	Feb 16	Mar ¹ 16						
1	Arlington Heights	55.8	52.6	54.9	57.2	58.0	57.4	56.0	56.5	55.2	53.5	56.8	56.9	54.6	56.1	63.0	63.0	50.5	
2	Melrose Park	59.5	57.5	58.2	59.9	52.9	59.5	58.8	62.5	58.8	58.0	52.9	56.8	58.0	58.6	63.4	61.0	50.3	
3	Bensenville	64.7	64.0	63.7	62.7	63.8	62.6	63.9	64.7	63.6	63.6	63.9	64.2	64.3	63.8	71.3	67.3	64.9	
4	Schiller Park	55.6	--	--	57.9	--	--	59.1	59.7	56.6	55.5	57.1	58.3	54.3	56.1	62.6	62.6	58.8	
5	Chicago	60.6	61.7	61.6	61.1	60.7	60.0	58.8	61.7	--	59.6	59.4	60.2	60.2	60.6	60.8	59.8	61.9	
7	Des Plaines	53.4	52.1	52.7	51.9	52.4	51.6	52.8	53.4	51.7	52.0	53.3	52.7	57.0	52.6	65.4	62.0	48.5	
8	Des Plaines	58.3	59.9	59.6	57.8	56.7	55.4	57.4	57.2	56.6	54.3	57.1	56.1	56.8	57.4	70.0	68.8	60.8	
10	Rolling Meadows	53.8	52.0	50.7	53.1	51.0	54.8	--	53.9	48.5	49.5	51.1	50.8	52.7	52.1	59.0	60.8	48.9	
11	Chicago	54.2	54.2	54.7	52.8	50.7	52.2	53.6	54.7	52.7	51.1	53.7	54.8	53.9	53.5	60.9	60.7	50.3	
12	Elk Grove Village	64.6	62.1	61.0	59.6	59.0	59.8	61.2	62.6	62.9	61.4	62.8	63.3	57.8	62.0	66.7	62.1	57.6	
13	Elk Grove Village	68.0	63.6	66.3	68.4	68.2	68.3	68.7	68.7	66.9	65.2	66.9	67.7	66.5	67.4	80.0	77.6	64.6	
14	Elk Grove Village	62.5	57.0	57.5	60.6	60.8	60.5	60.0	63.1	60.2	59.7	60.5	61.2	57.7	60.6	67.6	65.7	54.5	
15	Franklin Park	54.6	52.8	54.5	52.1	50.4	51.8	54.0	55.2	51.7	50.4	52.3	52.3	54.0	52.9	64.1	62.6	53.6	
16	Franklin Park	65.9	65.4	64.2	63.9	63.7	63.6	63.9	65.4	65.2	63.6	63.3	63.0	64.8	64.4	72.2	72.1	63.4	
17	Harwood Heights	62.6	63.7	63.0	64.1	66.0	66.6	66.7	66.6	68.0	62.5	63.3	63.5	63.4	65.1	66.4	65.4	57.9	
19	Stone Park	54.4	54.5	54.3	54.6	56.7	54.3	53.9	54.7	54.4	52.5	53.5	53.0	54.8	54.3	64.7	61.7	51.6	
20	Mount Prospect	54.7	52.9	53.4	54.8	56.4	54.6	52.5	56.4	54.6	53.9	55.5	54.8	53.6	54.7	63.5	62.4	49.1	
21	Mount Prospect	52.6	49.8	48.5	52.7	52.7	52.6	51.6	54.2	51.8	55.9	49.7	52.0	47.1	52.4	59.6	58.6	53.6	
22	Northridge	--	--	--	65.6	64.7	64.8	67.3	67.0	67.4	64.9	65.2	65.9	--	65.5	69.2	67.7	59.2	
23	Northlake	63.6	64.4	64.6	66.1	65.5	64.8	63.7	64.3	63.3	63.1	62.9	63.8	63.5	64.3	73.5	69.1	59.6	
24	Park Ridge	53.5	53.2	54.8	53.0	53.0	51.6	52.8	54.2	51.9	47.9	57.3	54.4	51.8	53.6	60.3	58.8	50.6	
25	Park Ridge	62.3	63.3	62.8	61.6	60.6	61.4	61.7	62.6	61.5	59.9	61.7	63.5	61.0	62.0	69.1	61.8	66.7	
26	Park Ridge	57.8	57.5	57.7	57.8	57.2	56.7	57.1	58.6	57.0	54.2	58.3	58.3	56.2	57.5	64.0	61.2	59.5	
27	Rosemont	68.3	68.7	68.9	67.5	64.7	63.4	69.0	69.2	68.4	66.6	68.3	70.1	67.2	68.1	73.0	67.6	70.2	
28	Schiller Park	73.7	73.9	73.4	73.2	71.0	69.4	73.1	72.9	73.3	71.3	70.9	70.1	73.4	72.4	79.6	78.7	67.9	
29	Wood Dale	67.1	67.2	68.3	66.9	65.7	66.2	67.2	65.7	65.7	63.3	65.4	67.5	66.0	66.5	n/a	n/a	65.1	
30	Wood Dale	56.5	55.6	55.4	55.4	55.1	54.9	57.0	57.2	56.4	57.0	57.0	56.2	56.8	56.2	n/a	n/a	58.5	
32	Wood Dale	65.3	67.6	66.7	65.7	67.0	66.3	65.7	66.5	66.5	66.3	65.2	66.2	65.9	66.3	71.2	66.4	63.8	
33	Park Ridge	63.2	63.5	63.1	62.8	63.4	62.3	63.0	62.9	62.5	62.3	61.3	61.9	61.6	62.7	n/a	n/a	61.9	
34	Elk Grove Village	58.7	60.0	58.4	57.3	58.2	57.6	57.0	59.3	59.4	55.9	60.2	61.1	57.6	58.8	66.3	61.2	61.4	
35	Unincorporated Cook	59.0	58.9	58.4	59.1	60.6	58.7	58.6	59.9	59.2	58.0	57.6	58.1	58.4	58.9	70.8	65.4	54.7	
37	Mount Prospect	52.0	50.7	51.3	56.3	57.4	52.2	49.8	50.2	47.0	46.7	48.9	48.7	46.4	52.2	55.1	57.0	50.5	
42	Chicago	--	--	--	56.8	56.3	58.4	59.3	59.4	58.9	56.6	57.7	58.9	--	n/a	n/a	n/a	n/a	

-- Data unavailable. n/a - Not Applicable
 1. Red represents an increase of 1 dB or more from the same month of the previous year (14 monitors). Green represents a decrease of 1dB or more from the same month of the previous year (7 monitors).
 2. Red represents an increase of 1 dB or more from the modeled 1997 noise contour level (0 monitors). Green represents a decrease of 1dB or more from the modeled 1997 noise contour level (29 monitors).
 3. The following 4 monitor days were included due to high community noise values: Site 3 (22); Site 12 (24); Site 26 (16); Site 21 (19); Site 34 (10).
 4. The following 35 monitor days were not available due to malfunctions: All Sites (8); Site 1 (22); Site 34 (1).
 5. Data is included for all days where data is collected for greater than 90% of the day.

Runway Use (10 p.m. to 7 a.m.) Source: Airport Noise Management System (ANMS)		Runway Utilization																	
		4L	4R	9L	9R	10L	10C	10R	14L	14R	22L	22R	27L	27R	28L	28C	28R	32L	32R
Average Daily Departures																			
March 2016	█	1	0	0	20	9	2	0	n/a	0	15	0	0	0	0	3	41	22	n/a
February 2016	█	0	0	0	14	9	0	0	n/a	0	12	0	1	0	0	2	34	36	n/a
12 Month Avg.	█	1	0	0	12	8	2	0	0	0	21	0	0	0	0	5	38	26	2
Average Daily Arrivals																			
March 2016	█	0	0	8	4	19	26	0	n/a	1	0	0	44	2	0	32	7	n/a	n/a
February 2016	█	0	2	6	1	9	14	0	n/a	1	1	1	47	1	0	28	13	n/a	n/a
12 Month Avg.	█	0	1	5	3	9	21	n/a	0	2	0	0	44	6	n/a	40	13	n/a	0



2. Adherence to primary configuration and explanations why when primary configuration is not used
3. Complaint data

CDA’s runway use reports include operations for the full FQ period. JDA’s runway utilization includes only the FQ II period operations. CDA’s Noise Monitor DNL table includes DNL values calculated with all operations day and night. JDA’s NL reporting will include night time FQ II operations only.

JDA Recommended Metrics for Test Period

1. Runway Utilization FQ II in same format as CDA reporting above.
2. NL Contours and/or tabulated data SOC Communities (per FAA/CDA coordination – see below)
3. NL SOC Community Bar Charts weekly NL
4. SOC Community Overflights

It is JDA’s preference to use NL instead of LAEQN. This requires coordination with CDA/FAA to address concerns relative to contours and confusion with RSIP. CDA reports DNL monthly in tabulated form. We expect tabulated NL to be an acceptable metric. If they continue to reject contour reporting, then we can defer to a NL heat map.

Scope - JDA Analysis and Reporting Deliverables:

1. RRP Test Period Metrics 1-4 raw data slides for June, July and August compared to same months previous year to provide SOC a snapshot of RRP
2. RRP Test Period report Metrics 1-4 for each month of the test period (June-Nov) compared to same month in previous year
3. RRP Test Period report Metrics 1-4 for the full test period compared to same period of previous year

4. RRP Test Period Findings and Conclusions
5. Analyze flight tracks relative to FQ headings and make recommendations to optimize for aircraft performance, compatible land use and population density
6. JDA Recommendations for Final RRP
7. Technical Support

Timing

Item 1 will be delivered a week after CDA provides JDA with August flight track data

Item 2 – 6 will be delivered in draft form January 6, 2017 to SOC

Issue Final Report January 13, 2017

Technical Support

4 ONCC meetings 9/9, 10/9, 11/7, 12/4 (Cynthia, Jim and or Craig)

7 ONCC Tech Committee Meetings 5/17, 6/21, 8/16, 9/20, 10/20, 11/18, 12/15 (Cynthia, Jim and or Craig)

CDA/FAA Meeting Metrics (Cynthia, Joe, Toni)

24 Conference calls SOC/CDA (Cynthia, Joe/Jim, Toni & Craig as needed)

The contract estimate for the scope we sent today is Total Contract \$161,228.

Labor Costs are \$140,150

Travel Costs \$21,078 is the estimated travel costs.

Travel expenses will be billed at cost - The estimate assumes 19 trips spread among 3 people (Trani -4, DelBalzo 2, Schultz 13). Trips must be scheduled and booked in advance to achieve the estimated costs (air fare estimated is an advance booking rate).

Meetings Included in Travel Cost Estimate:

6 ONCC meetings (sept, oct, nov, dec, jan, feb)

7 ONCC Technical Committee Meetings (may, jun, aug, sept, oct, nov, dec)

2 SOC meetings (sept, jan)

Let me know if you have any questions. C.

Cynthia Schultz, PE, AAE

Vice President Airports

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