7/7/2011 co	A. Hanson, FAA M. Boland, CDA K. Wisniewski, CDA F. Grimaldi, CDA
7/7/2011 co	A. Hanson, FAA M. Boland, CDA
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	. R. Kula, FAA
Larry Martin, Elgin O'Hare	- West Bypass Study
JUSE DELEON, FAA	
	Jose DeLeon, FAA Larry Martin, Elgin O'Hare

We Transmit:			Under Separate Cover	Via:
For Your:	 ☐ Information ☐ Review/Comment ☑ Approval 		 Distribution Record Use 	Other:
The Following:	 ☑ Drawings ☑ Specifications 		Correspondence	Other:
<u>Copies</u> 8 8 8 1	Date 7/6/11 7/6/11 7/6/11 7/6/11	Description FAA Form 74 7460 Sheets 7460 Exhibits CD containing	1 to 39	

Remarks:

This is a feasibility study for locations associated with the Elgin O'Hare - West Bypass (EOWB) Tier Two preliminary engineering phase study. The project is currently in the Draft EIS phase at which level more detailed engineering and environmental study is the primary focus. IDOT requests the FAA evaluate the potential airspace issues that may be associated with the proposed roadway and transit improvements developed as part of this phase of the EOWB Study.

Please Type or Print on This Form	Form Approved OMB No. 2120-0001		
Failure To Provide All Requested Infor	Failure To Provide All Requested Information May Delay Processing of Your Notice FOR FAA USE ONLY		
U.S. Department of Transportation Federal Aviation Administration Notice of Proposed C	onstruction or Alteration	Aeronautical Study Number	
1. Sponsor (person, company, etc. proposing this action) : Attn. of: Mr. Peter Harmet, IDOT Bureau Chief of Programming Name: Elgin O'Hare - West Bypass Study	9. Latitude:Sheets 35 - 39 ^o	" "	
Address: Illinois Department of Transportation - District 1	10. Longitude: <u>Sheets 35 - 39</u> °	•	
201 W. Center Court	11. Datum: 🛛 NAD 83 🔲 NAD 27 🗌 Othe	r	
City: Schaumburg State: IL Zip: 60196	42 Neerest, City Chicago	Chataull	
Telephone: <u>847-705-4393</u> Fax: <u>847-705-4666</u>	12. Nearest: City: Chicago	State: <u>IL</u>	
2. Sponsor's Representative (if other than #1) :	13. Nearest Public-use (not private-use) or Militar	12 82 92 11 12 12 12	
Attn. of: Mr. Larry Martin	O'Hare International Airport, Schaumburg Regi	onal Airport	
Name: Elgin O'Hare - West Bypass Study	14. Distance from #13. to Structure: Portions of	study area are on airfield	
Address: CH2M HILL 8501 W. Higgins Road, Suite 300	15. Direction from #13. to Structure: Portions of	study area are on airfield	
City: Chicago State: IL Zip: 60631			
Telephone: 773-693-3800 Fax: 773-693-3823	16. Site Elevation (AMSL):	<u>Sheets 35 - 39 ft.</u>	
	17. Total Structure Height (AGL):	<u>Sheets 35 - 39</u> ft.	
3. Notice of: New Construction Alteration Existing	18. Overall height (#16. + #17.) (AMSL):	Sheets 35 - 39 ft.	
4. Duration: Permanent Temporary (18months,0days)	19. Previous FAA Aeronautical Study Number (if applicable):	
5. Work Schedule: Beginning unknown End unknown		OE	
6. Type: Antenna Tower Crane Building Power Line Landfill Water Tank Other <u>Construction vehicles</u> such as cranes, drilling machines, excavators, dump trucks, paving machines, etc. required to construct multi-modal transporation system improvements including highways, transit, bike and pedestrian facilities	Quadrangle Map with the precise site marked and any certified survey.)		
7. Marking/Painting and/or Lighting Preferred: Red Lights and Paint Dual - Red and Medium Intensity White White - Medium Intensity Dual - Red and High Intensity White White - High Intensity Other Not Applicable 8. FCC Antenna Structure Registration Number (if applicable): Not Applicable			
21. Complete Description of Proposal:	-	Frequency/Power (kW)	
This Notice of Proposed Construction is for a Feasibilty Study for locations associated with the Elgin O'Hare West Bypass (EOWB) Tier II preliminary engineering phase study. The project is currently in the Draft ElS phase at which			
level more detailed engineering and environmental study is the primary for			
potential airspace issues that may be associated with the proposed road part of this phase of the Elgin O'Hare West Bypass Study.			
part of this phase of the Light of hare west bypass study.			
The project as planned would be an extension of the Elgin O'Hare Expres			
aligned along the west side of O'Hare International Airport from I-90 on the north to I-294 on the south. For the section			
corridor, identified by the O'Hare Modernization Program, located on the			
Airport, the locations include areas along the west side of the airport incl			
32L, west of R/W 9C-27C, west of R/W 9R-27L, west of R/W 10-28 (10L-28L), west of R/W 10C-28C, west of R/W 10R-28L, south of R/W 4R-22L and north of R/W 14L-32R. There are also roadway improvements, primarily consisting of roadway			
and bridge widening, in the vicinity of Schaumburg Regional Airport. The locations include areas along the west and north sides of the airport including west and north of R/W 11-29.			
		L	

	-			
associated with the EOWB road airfield property. At this time n assumed to access the roadwa security fence may delienate a	ciated with this 7460 feasbility study approval. Ultimately it is anticipated that work dway project would be in the form of construction equipment on, off and in the vicinity of to known haul or access roads would be created for this project, but would instead be y via the roadway corridor itself to perform the construction. At some point a new airport revised secured movement area at O'Hare. Any such changes or approval for actual the EOWB would go through separate approval processes in the future.			
	critical points for the evaluation to be performed. Runway Safety Areas, Runway Object ction Zones are shown on the attached sheets.			
	detailed views of the critical points in relation to the runways and include PART 77 are also provided for the final configuration east-west runways as well as where the ation.			
A summary of the proposed loo equipment heights are included	cations and associated data, including proposed ground elevations and the anticipated d on sheets 35 through 39.			
approximation of the type of co	e planning phase, it is not possible to share exact construction means and methods. An onstruction equipment for each area has been made based upon the type of proposed Il on grade) and the type of auxiliary features such as roadway signage and lighting.			
Permanent Clearances	_			
Standard 17' vehicula clearance used over roadway.	r clearance for roadway or height of highest vehicle per FAR PART 77. 17' vehicular			
equals 31' above roadway elev is dependant upon spacing so	as approximately a 21' clearance over roadway plus a 10' depth for the sign truss which ation. Permanent light standards estimated at 35' above roadway elevation (exact height approximations made at this point). Thus typical highway type roadway lighting higher than signage in permanent condition, so that was what was used as defining			
Cut/Fill equipment was equipment was estimated to be	 as estimated to be 25' including conservative clearance for moving components. Paving 22' when truck is in elevated/tipped position. Thus 25' was used as defining temporary on activities in applicable sections. 			
which was estimated to be 35' estimated to be 50' above prop	t to set permanent lighting was estimated to be 15' above the permanent pole height, (per previous discussion above). Thus the height to set permanent lighting was losed roadway elevation. The height to set signage was estimated to be approximately the defining criteria as the permanent component was higher.			
The height of crane equipment	tion equipment for a bridge or tunnel would be different than the standard cut/fill section. , including pick height, was estimated to be 25-30'above proposed grade for 2 level 60 analysis for single story bridges.			
.	quipment, including pick height, was estimated to be 40-60'above proposed grade for fly 0' was used in the 7460 analysis for multiple story bridges.			
 Work associated with foundation work associated with 	a tunnel was estimated to include up to 100' equipment height for drilling pile or shaft for the tunnel.			
impacts. The survey data in th	on and permanent heights described in this submittal need to be evaluated for airspace is submittal is verified to meet or exceed the Federal Aviation Administrator's Class 1A id elevation within 3 feet vertical and 20 feet horizontal.			
approach light systems that su provided as part of this feasibi approach lighting system vers approved September 2005 ALP crossing. The plan and profile vehicle clearances discussed a	action pertaining to any modifications that would be needed to the existing or proposed apport the existing or proposed Category II/III operations at O'Hare International Airport be lity study. Exhibits 1 to 6 have been provided that reflect plan and profile views of the us the EOWB roadway for each final configuration east-west runway that appears in the P. An ALSF truss structure has been proposed to cross the EOWB roadway at each view also reflects vehicle clearances for the different features. In addition to those as part of the 7460 above, a standard 23' clearance for railroad per FAR PART 77 was used her roadways to reflect actual heights of anticipated vehicles.			
The FAA requested that information pertaining to Construction Phasing be provided as part of this feasibility study. It is unknown when the work for this project would start. The timing of these improvements is dependant upon funding which has not yet been identified. Actual construction timeline is therefore not yet established, but the best case scenario is that the initial construction phase would be under construction between 2014 and 2019. That initial construction for a scaled back project, consisting of fewer basic mainline lanes and interchanges that were either scaled back or deferred in some locations.				
Notice is required by 14 Code of Federal Regulations, part 77 pursuant to 49 U.S.C., Section 44718. Persons who knowingly and willingly violate the notice requirements of part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to 49 U.S.C., section 46301 (a).				
I hereby certify that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to mark and/or light the structure in accordance with established marking and lighting standards as necessary.				
Date	Typed or Printed name and Title of Person Filing Notice	(
7-7-11	Larry Martin, Project Manager for Elgin O'Hare - West Bypass Study			
FAA Form 7460-1 (2-99) Superced	des Previous Edition	NSN: 0052	-00-012-0008	





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7460 PLAN	F.A. RTE.	SECTION	COUNTY	39	NO. 2
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