



Illinois Department of Transportation

Office of Intermodal Project Implementation / Division of Aeronautics
1 Langhorne Bond Drive / Springfield, Illinois 62707-8415

September 19, 2023

SUBJECT: Vermilion Regional Airport
Danville, Illinois
Vermilion County
Illinois Project Number: DNV-5045
Contract No. VE056
Item No. 01A, September 22, 2023, Letting
Addendum B

NOTICE TO PROSPECTIVE BIDDERS

This is an addendum to the plans or proposal. This addendum involves revised and/or added material.

Reason(s) for Addendum:

Replace Special Provision Item 401, Section 401-1.1 in accordance with the attached Revision. Addendum B supersedes the previously posted Addendum A.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bid.

Questions on this addendum may be directed to Eric Hills, P.E. of Crawford, Murphy and Tilly, Inc. at 217-787-8050.

ITEM 401 – BITUMINOUS SURFACE COURSE
(Central Plant Hot Mix)

This Special Provision references multiple sections of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022, Division 1000, Section 1030 Hot-Mix Asphalt.

DESCRIPTION

401-1.1 ADD: This item shall consist of providing bituminous surface course for the entrance road, exit road, and connector pavements.

MATERIALS

DELETE: SECTION 401-2.1 THROUGH SECTION 401-2.5

ADD: Materials used in the Bituminous Surface Course shall conform to the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022, Division 1000, Section 1030 – HOT-MIX ASPHALT, IL-9.5 surface.

The Job Mix Formula shall be an approved Illinois Department of Transportation mix that uses the IDOT approved aggregate and asphalt binder.

COMPOSITION

DELETE: THIS SECTION

ADD: Bituminous Surface Course Mix Composition shall be per the table below and per the mixture composition table in section 1030.05 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022.

Table 1

MIX COMPOSITION	IL 9.5, <u>High ESAL, Surface Course</u>
AC/PG	PG-64-22
MAX RAP / <u>FRAP</u> %	<u>See Table 2 and Table 30</u>
% VOIDS	<u>4.015%</u> @ Ndes 50
FRICITION AGGREGATE	N/A

Table 2

HMA Mixtures - RAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When RAP/RAS ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

Table 3

HMA Mixtures - FRAP/RAS Maximum ABR % ^{1/2/}			
Ndesign	Binder	Surface	Polymer Modified Binder or Surface
30	55	45	15
50	45	40	15
70	45	35	15
90	45	35	15
SMA	--	--	25
IL-4.75	--	--	35

- 1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP/RAS ABR shall not exceed 50 percent of the mixture.
- 2/ When FRAP/RAS ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

ADD BY REFERENCE: Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022, Division 1000, Section 1030.02 – Materials.

ADD BY REFERENCE: Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Adopted January 1, 2022, Division 1000, Section 1030.05 – Mixture Design.