



June 17, 2024

To: Plan Holders for Improvements to the
Washington County Airport
Mineral Point, Missouri
MoDOT Project No. 24-060A-1 & 24-060A-2

Transmitted herewith is **Addendum No. 2** to the Issued for Bid Contract Documents, Specifications and Plans dated May 28, 2024, for Improvements to the Washington County Airport.

Schedule I: Runway 2/20 Reconstruction
Schedule II: Runway 2/20 Widening and Taxiway Reconstruction
Schedule III: Apron Reconstruction
Schedule IV: Runway Lighting Rehabilitation
Schedule V: Runway Guidance Signs
Bid Alternate No. 1: Full Depth Reclamation



Sincerely,

Woolpert, Inc.

Laura Koonce, P.E.
Project Manager

Woolpert, Inc.
931 Wildwood Drive, Suite 101
Jefferson City, MO 65109
+1 303.524.3030



**ADDENDUM NO. 2
TO
CONTRACT DOCUMENTS, SPECIFICATIONS AND PLANS
FOR IMPROVEMENTS TO THE
WASHINGTON COUNTY AIRPORT
MINERAL POINT, MISSOURI
MODOT PROJECT NO. 24-060A-1 & 24-060A-2**

To All Bidders: You are requested to make all changes and/or additions contained in this addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal shall result in rejection of bid. Bidders are informed that the above referenced Contract Documents, Specifications and Plans are modified as follows as of June 17, 2024:

1. CONTRACT DOCUMENTS/SPECIFICATIONS

Contract Documents. Request for Bids/Invitation for Bids

Revision: Bid Opening information has been updated

Justification: The time sealed bids will be received until has been updated to 2:00 PM, Monday, June 24, 2024.

Contract Documents. Section 1, Notice to Bidders

Revision: Bid Opening information on Section 1-9 has been updated

Justification: The time sealed bids will be received until has been updated to 2:00 PM, Monday, June 24, 2024.

Revision: Contract Work Items table on Sections 1-9 through 1-11 has been updated

Justification: The quantities associated with the changes in this addendum have been updated and reflected in the contract document quantity table.

Contract Documents. Section 2, Instructions to Bidders

Revision: Bid Opening information on Section 2-1 has been updated

Justification: The time sealed bids will be received until has been updated to 2:00 PM, Monday, June 24, 2024.

Contract Documents. Part D, Federal and State Wage Rates

Revision: The Missouri Wage Rates for Washington County have been added

Justification: The Missouri Division of Labor Standards Annual Wage Order No. 31 has been added to provide the wage rate information for Washington County.

Contract Documents. Section 5, Technical Specifications

Revision: The Technical Specifications Table of Contents has been updated

Justification: The table of contents has been updated to reflect the technical specifications included for the project and the changes associated with this addendum.

Contract Documents. Proposal sheets

Revision: The proposal sheets for Schedule III and Bid Alternate No. 1 have been reissued

Justification: The proposal sheets for Schedule III and Bid Alternate No. 1 have been updated to reflect the quantity changes associated with the items in this addendum.

Specifications. D-710 Rip Rap

Revision: The Item D-710 Rip Rap specification has been added

Justification: The technical specification for Item D-710 Rip Rap has been added to the project. This specification provides information for the installation of rip rap on the project, considered incidental to the various bid items.

2. **PLANS**

G001 - (1 of 145) Cover Sheet

Revision: Schedule II callout has been updated

Justification: The Schedule II callout description has been updated to show the full schedule description.

G003A - (4 of 145) General Notes

Revision: General Note No. 12 has been updated.

Justification: The millings may be placed in the stockpile location, they are not to be rolled or have tack coat applied.

G005A - (7 of 145) Summary of Approximate Quantities

Revision: The Summary of Approximate Quantities table has been updated

Justification: The summary of approximate quantity table quantities and line items have been updated per the changes associated with this addendum.

G005B - (8 of 145) Summary of Approximate Quantities

Revision: The Summary of Approximate Quantities table, Earthwork Summary table, and Earthwork Calculations Detail have been updated

Justification: The summary of approximate quantity table quantities and line items have been updated per the changes associated with this addendum. The earthwork summary table has been updated with clarifications on how the earthwork quantities are derived for each schedule. The earthwork calculations detail has been updated to provide clarification on the grading adjacent to pavements.

G050 - (17 of 145) Construction Safety, Overall Phasing Plan

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Project Schedule table has been updated

Justification: The Schedule I duration bar has been updated to show 120 calendar days prior to the 30-day cure time. The 30-day cure time is then followed by 5 calendar days for the remaining duration of Schedule I.

G052 - (19 of 145) Construction Safety Plan, Schedule I

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Major Work to be Completed notes have been updated

Justification: The notes on the major work items to be completed under Schedule I have been updated.

G053 - (20 of 145) Construction Safety Plan, Schedule II

Revision: Haul route has been updated.

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Schedule II callout has been updated

Justification: The Schedule II callout description has been updated to show the full schedule description.

Revision: Major Work to be Completed notes have been updated

Justification: The notes on the major work items to be completed under Schedule II have been updated.

G054 - (21 of 145) Construction Safety Plan, Schedule III

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Major Work to be Completed notes have been updated

Justification: The notes on the major work items to be completed under Schedule III have been updated.

G055 - (22 of 145) Construction Safety Plan, Schedule IV

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Major Work to be Completed notes have been updated

Justification: The notes on the major work items to be completed under Schedule IV have been updated.

G056 - (23 of 145) Construction Safety Plan, Schedule V

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

Revision: Major Work to be Completed notes have been updated

Justification: The notes on the major work items to be completed under Schedule V have been updated.

G070 - (24 of 145) Environmental Requirements and Details

Revision: Haul route has been updated

Justification: The haul route layout has been updated to show the adjusted access routes to the north of Runway 2/20.

C112 - (37 of 145) Demolition Plan, STA. 4+00 to 9+25, Runway 2/20

Revision: The limits of concrete and asphalt pavement removal have been updated

Justification: The limits of full depth asphalt pavement removal and concrete pavement removal have been updated to reflect the limits of the existing asphalt apron and concrete hangar foundations/ramp.

Revision: The note on the existing well house has been updated

Justification: The existing well house note has been updated to reflect the well house being relocated/lowered by others.

C113 - (38 of 145) Demolition Plan, STA. 9+25 to 14+50, Runway 2/20

Revision: The limits of asphalt pavement removal have been updated

Justification: The limits of full depth and partial depth asphalt pavement removal have been updated to reflect the limits of the existing asphalt apron.

C200 - (40 of 145) Geometry Plan, STA. 0+50 to 4+50, Runway 2/20

Revision: Proposed Runway End Light callouts have been updated

Justification: The callouts for the Runway End Lights have been updated for the electrical geometry sheets referenced in each callout.

C220 - (54 of 145) Pavement Typical Sections

Revision: Notes to the one foot overbuild have been added.

Justification: Callouts have been added to note that the one foot overbuild for the P-208 and P-154 materials are included in the associated line items.

C221 - (55 of 145) Pavement Typical Sections

Revision: Notes to the one foot overbuild have been added.

Justification: Callouts have been added to note that the one foot overbuild for the P-208 and P-154 materials are included in the associated line items.

C520 - (92 of 145) Storm, Plan and Profiles

Revision: Storm Plan and Profile Notes, Note 2 has been updated

Justification: The grading sheets referenced for spot elevations in Note 2 have been updated.

C521 - (93 of 145) Storm, Plan and Profiles

Revision: Storm Plan and Profile Notes, Note 2 has been updated

Justification: The grading sheets referenced for spot elevations in Note 2 have been updated.

C551 - (95 of 145) Underdrain Details

Revision: Underdrain Details 6 and 7 have been updated

Justification: The underdrain details have been updated to reflect the typical pavement sections thicknesses shown on Sheets C220 and C221.

C709 - (107 of 145) Pavement Marking Plan, STA. 38+00 to 42+00, Runway 2/20

Revision: Callout for Runway 20 designator detail has been updated

Justification: The callout for the runway designator paint detail has been updated to refer to the detail 8 on sheet C720, *Example of Combined Numbers*.

3. QUESTIONS

Question: Referencing P-207. Is the emulsified asphalt a requirement for the FDR or is it optional if the desired results can be achieved without the use of the emulsified asphalt?

Answer: Yes, the emulsified asphalt is a requirement to cure the material.

Question: Technical specification D-752 CONCRETE CULVERTS.... is listed in the table of contents but I cannot find the actual section. Can you please provide?

Answer: Item D-752 has been removed from the table of contents. This specification has not been included for the project.

Question: There is a note for a Rip Rap pad on drawing C551 referencing D-710. Do we need that spec?

Answer: The D-710 Rip Rap specification has been added to the Contract Documents.

Question: The pavement cross sections on Sheet C220 do not match those on Sheet C551. I am assuming the cross sections on C220 are the required thicknesses. Is this correct?

Answer: The details on Sheet C551 have been updated to reflect the correct typical pavement sections thicknesses shown on Sheets C220 and C221.

Question: There was a discussion at the prebid meeting of where to dispose of the broken concrete resulting from the demolition of the building foundation, lights, and pipe. Can you clarify if the demolished concrete can remain onsite or if it needs to be disposed of offsite?

Answer: The material generated from demolition that is not suitable for fill shall be hauled off-site.

Question: Items D-705A and D-705B on the SUMMARY OR APPROXIMATE QUANTITIES SHEET G005A lists the pipe material as POLYETHYLENE. The underdrain plans starting on drawing C500 lists the pipe material as PVC. Please clarify the material requirement.

Answer: As part of Addendum No. 1, underdrain sheets C500 through C512 were updated to indicate the underdrain pipe material to be polyethylene.

Question: Regarding drawing C550, what is the material spec for the pipe fittings connecting the cleanouts to the horizontal underdrain piping?

Answer: The pipe fittings shall be the same material used for the underdrain pipe or as recommended by the pipe manufacturer.

Question: Will you be able to provide the drawings in an electronic format?

Answer: Electronic files of the plans will be provided to the awarded Contactor.

Question: Drawing C100 GENERAL DEMOLITION NOTE 5 indicates all millings and rubble to be disposed of offsite. Can you please clarify? If they are to remain onsite, will they be just stockpiled or would the intent be to use them as surfacing?

Answer: The millings are to be stockpiled in the onsite stockpile area for future airport use.

4. **PRE-BID MEETING AGENDA AND SIGN-IN SHEET**

The pre-bid meeting minutes, sign-in sheet, and plan holder's list are attached to this addendum.

The final questions will be accepted until 4:00 p.m. (CT) Thursday, June 20, 2024.

**** END OF ADDENDUM NO. 2 ***

REQUEST FOR BIDS/INVITATION FOR BIDS

Washington County Airport Mineral Point, MO

State Block Grant Project No. 24-060A-1 and 24-060A-2

Sealed bids will be received until 2:00 p.m, Monday, June 24, 2024, and then publicly opened and read by the County of Washington at Washington County Courthouse -102 N Missouri Street, Potosi, MO 63664, for furnishing all labor, materials and equipment and performing all work necessary to

Schedule I: Runway 2/20 Reconstruction
Schedule II: Runway 2/20 Widening
Schedule III: Apron Reconstruction
Schedule IV: Runway Lighting Rehabilitation
Schedule V: Runway Guidance Signs
Bid Alternate No.1: Full Depth Reclamation

Contract Documents. The complete set of Specifications and Contract Documents are available at <https://woolpert.com/bid> and/or www.questcdn.com - Reference Quest Number 9141371 beginning on 5/28/2024. To be considered a plan holder for bids, register with QuestCDN.com for a free Regular membership and download the bidding documents in digital form at a cost of Twenty-Two Dollars (\$22.00). Downloading the documents and becoming a plan holder is recommended as plan holder's receive automatic notice of addenda, other bid updates. Contact QuestCDN Customer Support at 952-233-1632 or Support@QuestCDN.com for assistance in membership registration or downloading digital bidding documents. Interested parties may view the contract documents at no cost prior to deciding to become a plan holder.

In order to submit a responsive bid as a Prime Contractor and to receive all necessary addendum(s) for this project, you must be on the Planholder's List. **It is the planholder's responsibility to review the site for addendums and changes before submitting their proposal. This includes review for environmental changes. Environmental changes during construction could take up to four weeks for approval.** For additional information, please contact us via email at bid.info@Woolpert.com.

Pre-Bid Conference. The pre-bid conference for this project will be held on Wednesday, June 12, 2024 at 10:00 a.m., at Airport Terminal Building, Conference Room - 12225 East State Highway 8, Mineral Point, MO 63660. All bidders are required to examine the site to become familiar with all site conditions.

Bid Conditions. The bidder is required to provide all information as required within the Contract Documents. The bidder is required to bid on all items of every schedule or as otherwise detailed in the Instructions to Bidders.

Each proposal must be accompanied by a bid guaranty in the amount of five (5) percent of the total amount of the bid. The bid guaranty may be by certified check or bid bond made payable to County of Washington.

Bids may be held by County of Washington for a period not to exceed 120 calendar days from the date of the bid opening for the purpose of evaluating bids prior to award of contract.

The right is reserved, as County of Washington may require, to reject any and all bids and to waive any informality in the bids received.

Construction for this project is expected to take 125 calendar day(s).

In accordance with the Davis-Bacon Act, and the Missouri Prevailing Wage Law, the Contractor will be required to comply with the wage and labor requirements and to pay minimum wages in accordance with the schedule

**SECTION 1
NOTICE TO BIDDERS**

Washington County Airport
Mineral Point, MO
State Block Grant Project No. 24-060A-1 and 24-060A-2

Sealed bids subject to the conditions and provisions presented herein will be received until 2:00 p.m, Monday, June 24, 2024, and then publicly opened and read at Washington County Courthouse -102 N Missouri Street, Potosi, MO 63664, for furnishing all labor, materials, equipment and performing all work necessary to

- Schedule I: Runway 2/20 Reconstruction
- Schedule II: Runway 2/20 Widening
- Schedule III: Apron Reconstruction
- Schedule IV: Runway Lighting Rehabilitation
- Schedule V: Runway Guidance Signs
- Bid Alternate No.1: Full Depth Reclamation

Contract Documents. The complete set of Specifications and Contract Documents are available at <https://woolpert.com/bid> and/or www.questcdn.com - Reference Quest Number 9141371 beginning on 5/28/2024. To be considered a plan holder for bids, register with QuestCDN.com for a free Regular membership and download the bidding documents in digital form at a cost of Twenty-Two Dollars (\$22.00). Downloading the documents and becoming a plan holder is recommended as plan holder’s receive automatic notice of addenda, other bid updates. Contact QuestCDN Customer Support at 952-233-1632 or Support@QuestCDN.com for assistance in membership registration or downloading digital bidding documents. Interested parties may view the contract documents at no cost prior to deciding to become a plan holder.

In order to submit a responsive bid as a Prime Contractor and to receive all necessary addendum(s) for this project, you must be on the Planholder’s List. **It is the planholder’s responsibility to review the site for addendums and changes before submitting their proposal. This includes review for environmental changes. Environmental changes during construction could take up to four weeks for approval.** For additional information, please contact us via email at bid.info@Woolpert.com.

Pre-Bid Conference. The pre-bid conference for this project will be held on Wednesday, June 12, 2024 at 10:00 a.m., at Airport Terminal Building, Conference Room - 12225 East State Highway 8, Mineral Point, MO 63660. All bidders are required to examine the site to become familiar with all site conditions.

Contract Work Items. This project will involve the following work items and estimated quantities. Prospective bidders are hereby advised that the quantities indicated herein are approximate and are subject to change.

Item No.	Item Description	Unit	Sch. I	Sch. II	Sch. III	Sch. IV	Sch. V	Bid Alt. 1
C-100a	Contractor Quality Control Program (CQCP)	LS	1	1	1	1	0	1
C-102a	Erosion Control	LS	1	1	1	0	0	1
C-105a	Mobilization	LS	1	1	1	1	1	1
P-101a	Asphalt Pavement Removal, Full Depth	SY	27,370	1,630	11,550	0	0	27,370
P-101b	Asphalt Pavement Removal, Partial Depth	SY	0	0	60	0	0	0
P-101c	Concrete Pavement & Building Foundation Removal, Full Depth	SY	0	0	500	0	0	0
P-101d	Remove Existing 24-Inch Reinforced Concrete Pipe and Flared End Sections	LF	0	0	132	0	0	0

P-101e	Remove Existing 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	1	0	0	0	0	1
P-101f	Remove Existing Barbed Wire Fence, Complete	LF	210	0	0	0	0	210
P-101g	Remove Aircraft Tie-Down Anchors, Complete	EA	0	0	27	0	0	0
P-151a	Tree Removal	AC	2	0	0	0	0	2
P-152a	Unclassified Excavation	CY	9,200	16,400	5,500	0	0	9,200
P-154a	Subbase Course	CY	4,540	1,460	2,420	0	0	0
P-154b	Separation Geotextile	SY	27,200	8,740	14,470	0	0	0
P-156a	Cement Treated Subgrade	SY	27,200	8,740	14,470	0	0	0
P-156b	Cement	TON	1,060	350	570	0	0	0
P-207a	Asphalt Pavement Full Depth Reclamation (FDR), Trimming, & Grading	SY	0	0	0	0	0	27,210
P-207b	Cement	TON	0	0	0	0	0	710
P-207c	Emulsified Asphalt	TON	0	0	0	0	0	330
P-208a	Aggregate Base Course	CY	4,670	1,500	2,490	0	0	0
P-401a	Asphalt Paving Course	TON	6,820	1,960	3,590	0	0	6,820
P-602a	Emulsified Asphalt Prime Coat	GAL	0	0	0	0	0	8,160
P-603a	Emulsified Asphalt Tack Coat	GAL	4,200	1,210	2,220	0	0	4,200
P-620a	Temporary Pavement Marking	SF	19,560	3,970	1,170	0	0	19,560
P-620b	Permanent Pavement Marking, White	SF	19,130	3,630	0	0	0	19,130
P-620c	Permanent Pavement Marking, Yellow	SF	440	340	1,170	0	0	440
P-620d	Permanent Pavement Marking, Black	SF	0	700	0	0	0	0
P-640a	Install Aircraft Tie-Down Anchor	EA	0	0	27	0	0	0
F-160a	Install Class B Fence (3-Strand Barb Wire, Wood Posts with Metal Line Posts)	LF	220	0	0	0	0	220
D-701a	Install 12-Inch Reinforced Concrete Pipe, Class V	LF	80	0	0	0	0	80
D-701b	Install 24-Inch Reinforced Concrete Pipe, Class V	LF	0	0	129	0	0	0
D-701c	Install 36-Inch Reinforced Concrete Pipe, Class V	LF	33	0	0	0	0	33
D-701d	Install 12-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	2	0	0	0	0	2
D-701e	Install 24-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	0	0	2	0	0	0
D-701f	Install 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	1	0	0	0	0	1
D-705a	Install 6-Inch Perforated Polyethylene Pipe	LF	0	8,610	1,520	0	0	0
D-705b	Install 6-Inch Non-Perforated Polyethylene Pipe	LF	0	970	270	0	0	0
D-751a	Install 6-Inch Underdrain Cleanout	EA	0	27	13	0	0	0
D-751b	Install Inspection Pit	EA	0	18	9	0	0	0
D-751c	Install Aircraft Rated Inlet	EA	0	2	0	0	0	0
D-754a	Construct 4-Foot Concrete Drain Pan, Complete	LF	290	0	0	0	0	290
T-901a	Seeding with Hydromulch	AC	17	0	2	0	0	17

T-901b	Seeding Under Erosion Control Blanket	AC	4	0	0	0	0	4
T-901c	Erosion Control Blanket	SY	17,870	0	0	0	0	17,870
L-108a	Install #8 AWG, L-824C, 5000V, Wire	LF	0	0	0	24,500	0	0
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	LF	0	0	0	11,500	0	0
L-110a	Install 1-2" SCH. 40 PVC Conduit (DEB)	LF	0	0	0	10,750	0	0
L-110b	Install 1-2" SCH. 40 PVC Conduit (CE)	LF	0	0	0	250	0	0
L-110c	Install 2-3" Spare SCH. 40 PVC Conduit (CE)	LF	0	0	0	300	0	0
L-115a	Remove L-867 Junction Box, Complete	EA	0	0	0	2	0	0
L-115b	Install L-867 Junction Box, Complete	EA	0	0	0	2	0	0
L-125a	Remove Runway Edge Light and Base, Complete	EA	0	42	0	0	0	0
L-125b	Remove Runway Threshold Light and Base, Complete	EA	0	16	0	0	0	0
L-125c	Remove Taxiway Edge Light and Base, Complete	EA	0	4	21	0	0	0
L-125d	Install new LED L-861 Runway Edge Light on New Base, Complete	EA	0	0	0	42	0	0
L-125e	Install New LED L-861E Runway Threshold Light on New Base, Complete	EA	0	0	0	16	0	0
L-125f	Install New LED L-861T Taxiway Edge Light on New Base, Complete	EA	0	0	0	28	0	0
L-125g	Install New L-858 Lighted Guidance Sign on New concrete Pad in Soil, Size 1, 1 Module, Complete	EA	0	0	0	0	3	0
L-125h	Install New L-858 Lighted Guidance Sign on New Concrete Pad in Soil, Size 1, 3 Module, Complete	EA	0	0	0	0	2	0
L-125i	Install L-881 LED PAPI System, Style A, on New Foundation, Complete	EA	0	0	0	2	0	0
L-125j	Install PAPI Power Frame on New Foundation, Complete	EA	0	0	0	2	0	0
L-125k	Install L-849 LED REIL System on New Foundation, Complete	EA	0	0	0	2	0	0
L-125l	Install New L-853 Stake Mounted Retroreflective Marker	EA	0	0	0	6	0	0
L-125m	Connect Airfield Circuits to Spare Constant Current Regulator	LS	0	0	0	1	0	0
L-125n	Spare Parts for Airport Visual Aids (Unit Cost Fixed at \$10,000)	LS	0	0	0	1	0	0

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303 **Contract Time.** The owner has established a contract perform time of 125 calendar day(s) from the date of
304 the Notice-to-Proceed. All project work shall be substantially completed within the stated timeframe. This
305 project is subject to liquidated damages as prescribed in the project manual.

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307 **Bid Security.** No bid will be considered unless accompanied by a certified check or cashier's check on any
308 bank or trust company insured by the Federal Deposit Insurance Corporation, payable to the Owner, for not

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SECTION 2 INSTRUCTIONS TO BIDDERS

This section contains excerpts of the bidding requirements from Section 20 of the General Provisions. The bidder's attention is directed to Section 20 for complete details.

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1. **THE EXECUTED PROPOSAL FORM MUST BE SUBMITTED WITH EACH PAGE FROM SECTION B-1 THROUGH B-27. EACH FORM MUST BE COMPLETELY FILLED OUT.**
 2. The apparent low bidder shall submit "evidence of competency" and "evidence of financial responsibility" to the owner with the bid proposal in accordance with Section 20-02 of the General Provisions. In addition, the resumes of all key personnel shall be provided with the bid proposal detailing experience on similar airfield construction projects.
 3. Each bidder shall certify in the Proposal Form at the time of bid submittal that they acknowledge receipt of all issued addenda.
 4. No bid will be considered unless accompanied by a certified check or cashier's check on any bank or trust company insured by the Federal Deposit Insurance Corporation, payable to the owner, for not less than five (5) percent of the amount of the bid, or by a bid bond secured by an approved surety or sureties (licensed to conduct surety business in the state of Missouri), payable to the owner, for not less than five (5) percent of the amount of the bid.
 5. Proposals shall be sent to arrive at the time and date specified in Section 1, Notice to Bidders. Proposals received after the specified time and date will not receive consideration and will be returned unopened. Prior to submittal, the proposal shall be placed in a sealed opaque envelope and addressed to:

426 Washington County Courthouse -102 N Missouri Street, Potosi, MO 63664

427
428 The upper left hand corner of the envelope should be marked as follows:

429
430 Sealed Bid Proposal
431 Bid of NAME OF BIDDER
432 For construction improvements at Washington County Airport
433 State Block Grant Project No.: 24-060A-1 and 24-060A-2
434 To be opened at: 2:00 p.m, Monday, June 24, 2024
435

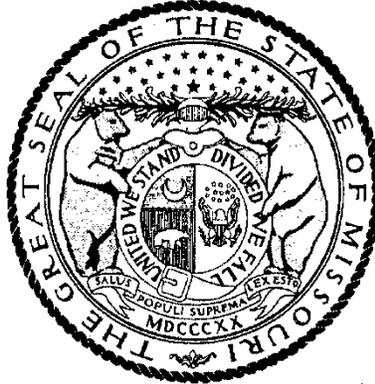
436 For a modification to a previously submitted proposal, insert "Modification to Proposal" in place of "Sealed Bid Proposal".

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6. The Owner reserves the right to reject any or all bids, as determined to be in the best interest of the Owner. Causes for rejection of proposals include but are not limited to:
 - Submittal of more than one proposal from the same partnership, firm or corporation;
 - Failure by Bidder to submit the bid prior to the stated time and date for receipt of bids;
 - Failure by Bidder to furnish satisfactory bid guarantee;
 - Failure by Bidder to provide all information required of the bid forms;
 - Failure by Bidder to comply with the requirements of bid instructions;
 - Failure by Bidder to complete the applicable Buy American Certification;
 - Failure by the Bidder to demonstrate good faith efforts in obtaining participation by certified DBE firms;
 - Determination by the Owner that Bidder is not qualified to accomplish the project work;
 - Determination by the Owner that the Bidder has placed conditions on or qualified their proposal;

Missouri

Division of Labor Standards

WAGE AND HOUR SECTION



MICHAEL L. PARSON, Governor

Annual Wage Order No. 31

Section 114

WASHINGTON COUNTY

In accordance with Section 290.262 RSMo 2000, within thirty (30) days after a certified copy of this Annual Wage Order has been filed with the Secretary of State as indicated below, any person who may be affected by this Annual Wage Order may object by filing an objection in triplicate with the Labor and Industrial Relations Commission, P.O. Box 599, Jefferson City, MO 65102-0599. Such objections must set forth in writing the specific grounds of objection. Each objection shall certify that a copy has been furnished to the Division of Labor Standards, P.O. Box 449, Jefferson City, MO 65102-0449 pursuant to 8 CSR 20-5.010(1). A certified copy of the Annual Wage Order has been filed with the Secretary of State of Missouri.

Original Signed by _____

Todd Smith, Director
Division of Labor Standards

Filed With Secretary of State: _____ **March 8, 2024**

Last Date Objections May Be Filed: **April 8, 2024**

Prepared by Missouri Department of Labor and Industrial Relations

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Asbestos Worker	\$37.65
Boilermaker	\$22.20*
Bricklayer-Stone Mason	\$49.57
Carpenter	\$58.55
Lather	
Linoleum Layer	
Millwright	
Pile Driver	
Cement Mason	\$22.20*
Plasterer	
Communication Technician	\$22.20*
Electrician (Inside Wireman)	\$22.20*
Electrician Outside Lineman	\$22.20*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Elevator Constructor	\$22.20*
Glazier	\$22.20*
Ironworker	\$71.26
Laborer	\$46.44
General Laborer	
First Semi-Skilled	
Second Semi-Skilled	
Mason	\$22.20*
Marble Mason	
Marble Finisher	
Terrazzo Worker	
Terrazzo Finisher	
Tile Setter	
Tile Finisher	
Operating Engineer	\$22.20*
Group I	
Group II	
Group III	
Group III-A	
Group IV	
Group V	
Painter	\$54.52
Plumber	\$71.42
Pipe Fitter	
Roofer	\$22.20*
Sheet Metal Worker	\$74.60
Sprinkler Fitter	\$22.20*
Truck Driver	\$22.20*
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. The public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title as defined in RSMo Section 290.210.

Heavy Construction Rates for
WASHINGTON County

OCCUPATIONAL TITLE	**Prevailing Hourly Rate
Carpenter	\$22.20*
Millwright	
Pile Driver	
Electrician (Outside Lineman)	\$22.20*
Lineman Operator	
Lineman - Tree Trimmer	
Groundman	
Groundman - Tree Trimmer	
Laborer	\$50.86
General Laborer	
Skilled Laborer	
Operating Engineer	\$64.04
Group I	
Group II	
Group III	
Group IV	
Truck Driver	\$22.20*
Truck Control Service Driver	
Group I	
Group II	
Group III	
Group IV	

Use Heavy Construction Rates on Highway and Heavy construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(3).

Use Building Construction Rates on Building construction in accordance with the classifications of construction work established in 8 CSR 30-3.040(2).

If a worker is performing work on a heavy construction project within an occupational title that is not listed on the Heavy Construction Rate Sheet, use the rate for that occupational title as shown on the Building Construction Rate Sheet.

*The Division of Labor Standards received fewer than 1,000 reportable hours for this occupational title. Public works contracting minimum wage is established for this occupational title using data provided by Missouri Economic Research and Information Center.

**The Prevailing Hourly Rate includes any applicable fringe benefit amounts for each occupational title.

OVERTIME and HOLIDAYS

OVERTIME

For all work performed on a Sunday or a holiday, not less than twice (2x) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work.

For all overtime work performed, not less than one and one-half (1½) the prevailing hourly rate of wages for work of a similar character in the locality in which the work is performed or the public works contracting minimum wage, whichever is applicable, shall be paid to all workers employed by or on behalf of any public body engaged in the construction of public works, exclusive of maintenance work or contractual obligation. For purposes of this subdivision, "**overtime work**" shall include work that exceeds ten hours in one day and work in excess of forty hours in one calendar week; and

A thirty-minute lunch period on each calendar day shall be allowed for each worker on a public works project, provided that such time shall not be considered as time worked.

HOLIDAYS

January first;
The last Monday in May;
July fourth;
The first Monday in September;
November eleventh;
The fourth Thursday in November; and
December twenty-fifth;

If any holiday falls on a Sunday, the following Monday shall be considered a holiday.

**SECTION 5
TECHNICAL SPECIFICATIONS
TABLE OF CONTENTS**

<u>SECTION</u>	<u>TITLE</u>
SITework	
P-101	PREPARATION/REMOVAL OF EXISTING PAVEMENTS
P-151	CLEARING AND GRUBBING
P-152	EXCAVATION, SUBGRADE, AND EMBANKMENT
P-153	CONTROLLED LOW-STRENGTH MATERIAL (CLSM)
P-154	SUBBASE COURSE
P-156	CEMENT TREATED SUBGRADE
BASE COURSES	
P-207	IN-PLACE FULL DEPTH RECLAMATION (RDR) RECYCLED ASPHALT AGGREGATE BASE COURSE
P-208	AGGREGATE BASE COURSE
FLEXIBLE PAVEMENTS	
P-401	ASPHALT MIX PAVEMENT
SURFACE TREATMENTS	
P-608	EMULSIFIED ASPHALT SEAL COAT
MISCELLANEOUS	
P-602	EMULSIFIED ASPHALT PRIME COAT
P-603	EMULSIFIED ASPHALT TACK COAT
P-605	JOINT SEALANTS FOR PAVEMENTS
P-610	CONCRETE FOR MISCELLANROUS STRUCTURES
P-620	RUNWAY AND TAXIWAY MARKING
P-640	AIRCRAFT TIEDOWN ANCHORS
FENCING	
F-160	WIRE FENCE WITH WOOD POSTS (CLASS A AND B FENCES)
DRAINAGE	
D-701	PIPE FOR STORM DRAINS AND CULVERTS
D-705	PIPE UNDERDRAINS FOR AIRPORTS
D-710	RIP RAP
D-751	MANHOLES, CATCH BASINS, INLETS AND INSPECTION HOLES
D-754	CONCRETE GUTTERS, DITCHES, AND FLUMES
TURFING	
T-901	SEEDING
LIGHTING INSTALLATION	
L-108	UNDERGROUND POWER CABLE FOR AIRPORTS
L-110	AIRPORT UNDERGROUND ELECTRICAL DUCT BANKS AND CONDUIT
L-115	ELECTRICAL MANHOLES AND JUNCTION STRUCTURES
L-125	INSTALLATION OF AIRPORT LIGHTING SYSTEMS

SCHEDULE III

Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	Erosion Control	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-105a	Mobilization	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	Asphalt Pavement Removal, Full Depth	at the unit price of: _____ dollars and _____ cents.	SY	11,550	\$	\$
P-101b	Asphalt Pavement Removal, Partial Depth	at the unit price of: _____ dollars and _____ cents.	SY	60	\$	\$
P-101c	Concrete Pavement & Building Foundation Removal, Full Depth	at the unit price of: _____ dollars and _____ cents.	SY	500	\$	\$
P-101d	Remove Existing 24-Inch Reinforced Concrete Pipe and Flared End Sections	at the unit price of: _____ dollars and _____ cents.	LF	132	\$	\$
P-101g	Remove Aircraft Tie-Down Anchors, Complete	at the unit price of: _____ dollars and _____ cents.	EA	27	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	5,500	\$	\$
P-154a	Subbase Course	at the unit price of: _____ dollars and _____ cents.	CY	2,420	\$	\$
P-154b	Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	14,470	\$	\$
P-156a	Cement Treated Subgrade	at the unit price of: _____ dollars and _____ cents.	SY	14,470	\$	\$
P-156b	Cement	at the unit price of: _____ dollars and _____ cents.	TON	570	\$	\$
P-208a	Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.	CY	2,490	\$	\$
P-401a	Asphalt Paving Course	at the unit price of: _____ dollars and _____ cents.	TON	3,590	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ dollars and _____ cents.	GAL	2,220	\$	\$
P-620a	Temporary Pavement Marking	at the unit price of: _____ dollars and _____ cents.	SF	1,170	\$	\$
P-620c	Permanent Pavement Marking, Yellow	at the unit price of: _____ dollars and _____ cents.	SF	1,170	\$	\$
P-640a	Install Aircraft Tie-Down Anchor	at the unit price of: _____ dollars and _____ cents.	EA	27	\$	\$
D-701b	Install 24-Inch Reinforced Concrete Pipe, Class V	at the unit price of: _____ dollars and _____ cents.	LF	129	\$	\$

BID ALTERNATE NO. 1

Item No.	Description	Units	Estimated Quantity	Unit Price	Total	
C-100a	Contractor Quality Control Program (CQCP)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-102a	Erosion Control	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
C-105a	Mobilization	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
P-101a	Asphalt Pavement Removal, Full Depth	at the unit price of: _____ dollars and _____ cents.	SY	27,370	\$	\$
P-101e	Remove Existing 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
P-101f	Remove Existing Barbed Wire Fence, Complete	at the unit price of: _____ dollars and _____ cents.	LF	210	\$	\$
P-151a	Tree Removal	at the unit price of: _____ dollars and _____ cents.	AC	2	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	9,200	\$	\$
P-207a	Asphalt Pavement Full Depth Reclamation (FDR), Trimming, & Grading	at the unit price of: _____ dollars and _____ cents.	SY	27,210	\$	\$
P-207b	Cement	at the unit price of: _____ dollars and _____ cents.	TON	710	\$	\$
P-207c	Emulsified Asphalt	at the unit price of: _____ dollars and _____ cents.	TON	330	\$	\$
P-401a	Asphalt Paving Course	at the unit price of: _____ dollars and _____ cents.	TON	6,820	\$	\$
P-602a	Emulsified Asphalt Prime Coat	at the unit price of: _____ dollars and _____ cents.	GAL	8,160	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ dollars and _____ cents.	GAL	4,200	\$	\$
P-620a	Temporary Pavement Marking	at the unit price of: _____ dollars and _____ cents.	SF	19,560	\$	\$
P-620b	Permanent Pavement Marking, White	at the unit price of: _____ dollars and _____ cents.	SF	19,130	\$	\$
P-620c	Permanent Pavement Marking, Yellow	at the unit price of: _____ dollars and _____ cents.	SF	440	\$	\$
F-160a	Install Class B Fence (3-Strand Barb Wire, Wood Posts with Metal Line Posts)	at the unit price of: _____ dollars and _____ cents.	LF	220	\$	\$
D-701a	Install 12-Inch Reinforced Concrete Pipe, Class V	at the unit price of: _____ dollars and _____ cents.	LF	80	\$	\$

BID ALTERNATE NO. 1

Item No.	Description	Units	Estimated Quantity	Unit Price	Total	
D-701c	Install 36-Inch Reinforced Concrete Pipe, Class V	at the unit price of: _____ dollars and _____ cents.	LF	33	\$	\$
D-701d	Install 12-Inch Reinforced Concrete Pipe, Flared End Section (FES)	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
D-701f	Install 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	at the unit price of: _____ dollars and _____ cents.	EA	1	\$	\$
D-754a	Construct 4-Foot Concrete Drain Pan, Complete	at the unit price of: _____ dollars and _____ cents.	LF	290	\$	\$
T-901a	Seeding with Hydromulch	at the unit price of: _____ dollars and _____ cents.	AC	17	\$	\$
T-901b	Seeding Under Erosion Control Blanket	at the unit price of: _____ dollars and _____ cents.	AC	4	\$	\$
T-901c	Erosion Control Blanket	at the unit price of: _____ dollars and _____ cents.	SY	17,870	\$	\$

SCHEDULE III

Item No.	Description	Units	Estimated Quantity	Unit Price	Total	
D-701e	Install 24-Inch Reinforced Concrete Pipe, Flared End Section (FES)	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
D-705a	Install 6-Inch Perforated Polyethylene Pipe	at the unit price of: _____ dollars and _____ cents.	LF	1,520	\$	\$
D-705b	Install 6-Inch Non-Perforated Polyethylene Pipe	at the unit price of: _____ dollars and _____ cents.	LF	270	\$	\$
D-751a	Install 6-Inch Underdrain Cleanout	at the unit price of: _____ dollars and _____ cents.	EA	13	\$	\$
D-751b	Install Inspection Pit	at the unit price of: _____ dollars and _____ cents.	EA	9	\$	\$
T-901a	Seeding with Hydromulch	at the unit price of: _____ dollars and _____ cents.	AC	2	\$	\$
L-125c	Remove Taxiway Edge Light and Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	21	\$	\$

SCHEDULE III TOTAL \$ _____

Item D-710 Rip Rap

DESCRIPTION

710-1.1 This item shall govern the furnishing and placing of rock riprap as shown on the plans and called for in these specifications. Placing of riprap will include all bedding, fabric and stones as indicated on the plans or directed by the Engineer.

MATERIAL

710-2.1 STONE. All stone for rock riprap shall be sound, durable, and free from seams, cracks, and other defects and shall be as nearly rectangular as practicable. The stone shall have a specific gravity of at least 2.25. Broken concrete pieces obtained from the project may be used providing they meet the requirements contained herein.

CLASSIFICATION AND GRADATION OF RIPRAP

Riprap shall conform to the gradation requirements given in Table 1.

TABLE 1: GRADATION OF RIPRAP

Stone Size d50 ¹ (inches)	% of Material Smaller Than Typical Stone ²	Typical Stone Dimensions ³ (inches)	Typical Stone Weight ⁴ (pounds)
6	70-100	12	85
	50-70	9	35
	35-50	6	10
	2-10	2	0.4
9	70-100	15	160
	50-70	12	85
	35-50	9	35
	2-10	3	1.3
12	70-100	21	440
	50-70	18	275
	35-50	12	85
	2-10	4	3
18	100	30	1280
	50-70	24	650
	35-50	18	275
	2-10	6	10
24	100	42	3500
	50-70	33	1700
	35-50	24	650
	2-10	9	35

¹d50 = nominal stone size
²based on typical rock mass
³equivalent spherical diameter
⁴based on a specific gravity = 2.5

Item D-710 Rip Rap

22 Broken concrete pieces may be used in lieu of natural rock provided the dimensional requirements above are met, the
23 pieces are sound and durable, and the material is approved by the Engineer prior to placing.

24
25 Nominal stone size of the riprap shall be as shown on the plans. The nominal thickness of the completed riprap section
26 regardless of the type specified shall be 1.5 times the mean diameter of the rock specified in Table 1 of this specification.

27
28 **710-2.2 BEDDING MATERIAL.** The free draining material shall consist of a Colorado Highway Specification; Class
29 B or Class C filter material.

30
31 **710-2.3 FILTER FABRIC.** The filter fabric material to be placed under the rock riprap shall be a non-woven
32 polypropylene fabric such as Phillips Supac 8 or approved equal, having the following properties:

- 33
- | | | | |
|----|----|---------------------------|-----------------------------|
| 34 | a. | Weight | 8 ounces/square yard |
| 35 | | | |
| 36 | b. | Tensile strength, wet | Warp direction - 200 pounds |
| 37 | | | Fill direction - 275 pounds |
| 38 | | | |
| 39 | c. | Mullen Burst (ASTM D 751) | 400 psi |
| 40 | | | |
| 41 | d. | Elongation-at-break | 75 percent |
| 42 | | | |

43 **710-2.4 CEMENT GROUT.** Grout shall be composed of one part by volume of portland cement and three parts by
44 volume of sand and shall be of such consistency that it will fill voids in the riprap.

45
46 The mixed concrete shall contain 470 pounds (five sacks) of portland cement per cubic yard.

47
48 The amount of water added at the time of mixing shall be such as will produce a mixture with a slump of from three inches
49 to five inches when tested in accordance with the method described in Item P-610 of these specifications. (If the
50 Contractor chooses to place the grout at a higher slump (pumping), he must maintain the same water cement ratio).

51 52 53 EXCAVATION

54
55 **710-3.1** The slopes shall be finished to a reasonably smooth and compact surface within 2 inches of the lines, surfaces,
56 and elevations shown on the plans.

57 58 59 CONSTRUCTION METHODS

60
61 **710-4.1 ROCK RIPRAP.** The filter fabric shall be spread on the prepared subgrade to provide a continuous, smooth
62 surface. After placing bedding material, the stone shall be spread on the filter fabric so as to produce a compact, well
63 graded mass of minimum voids. Spreading shall be done so as to cause as little disturbance to the filter fabric as possible.
64 Some rearranging of individual pieces may be required, either by hand or equipment, to obtain a reasonably uniform
65 surface.

66
67 **710-4.2 GROUTED RIPRAP.** When grouted riprap is specified, the stone shall be laid as set forth above for rock
68 riprap. The spaces between the stones shall then be filled with grout. Sufficient grout shall be used to completely fill all
69 voids, except that the face surface of the stone shall be left exposed. After grouting is completed, the surface shall be
70 cured for a period of at least three days.

75 **METHOD OF MEASUREMENT**

76

77 **710-5.1** Rock riprap shall be measured by the square yard, to the dimensions of the riprap as shown on the plans or as
78 directed by the Engineer. Excavation, sand bed, and the filter fabric are included in the contract unit price for rock riprap
79 and no separate measurement nor payment will be made for them.

80

81

82 **BASIS OF PAYMENT**

83

84 **710-6.1** No separate payment shall be made for the rip rap installed and accepted by the Engineer and shall be considered
85 incidental to the various bid items.

86

87 Payment will be made under:

88

89 No separate payment will be made for rip rap.

90

91

92 **TESTING AND MATERIAL REQUIREMENTS**

93

Test and Short Title	Material and Short Title
ASTM D 751	Coated Fabric

94

95

96

97

****END OF ITEM D-710****

98

CONSTRUCTION PLANS FOR IMPROVEMENTS TO WASHINGTON COUNTY AIRPORT

MINERAL POINT, MO

MODOT PROJECT NO. 24-060A-1 & 24-060A-2



• **SCHEDULE I** •
RUNWAY 2/20
RECONSTRUCTION

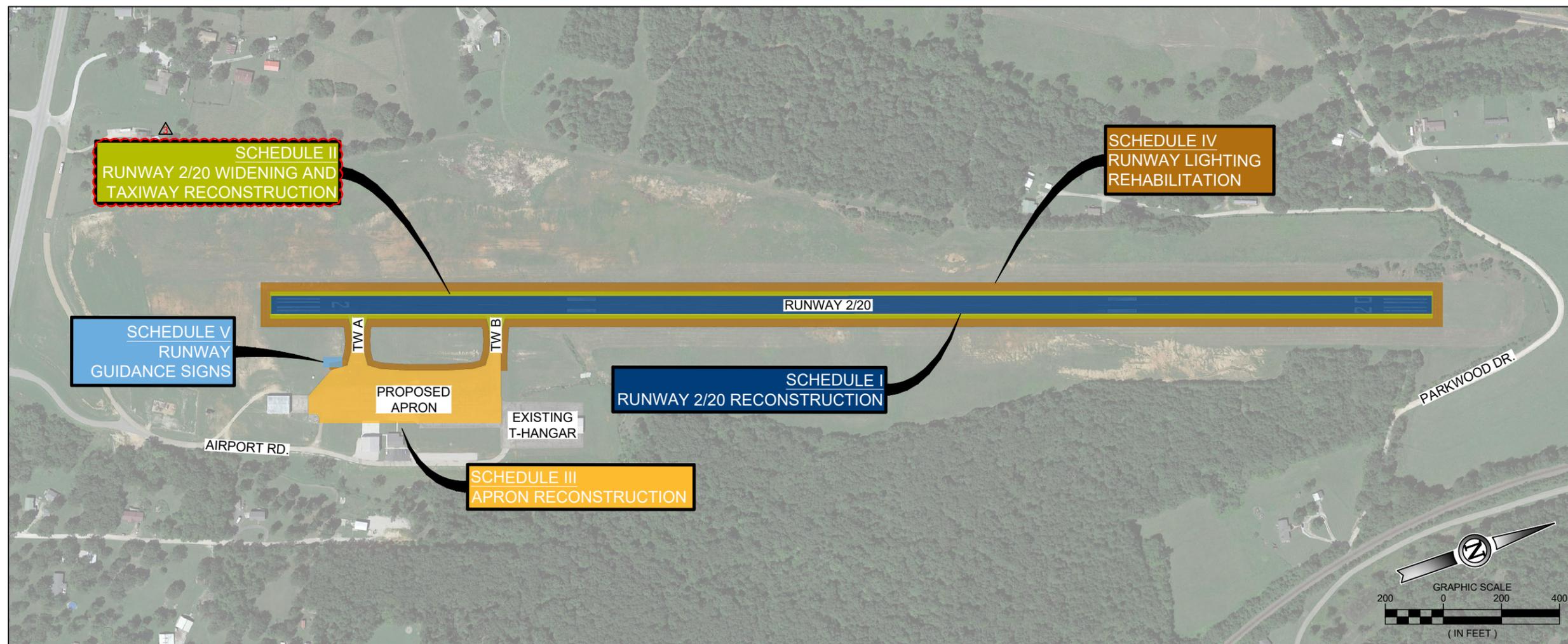
• **SCHEDULE II** •
RUNWAY 2/20 WIDENING
AND TAXIWAY
RECONSTRUCTION

• **SCHEDULE III** •
APRON RECONSTRUCTION

• **SCHEDULE IV** •
RUNWAY LIGHTING
REHABILITATION

• **SCHEDULE V** •
RUNWAY GUIDANCE
SIGNS

• **BID ALTERNATE NO. 1** •
FULL DEPTH
RECLAMATION



WOOLPERT
931 Wildwood Drive
Suite 101
Jefferson City, Missouri 65109
Phone: 800.414.1045
Fax: 937.461.0743
woolpert.com

SPONSORED BY
• COUNTY OF WASHINGTON
• MODOT AVIATION
• FEDERAL AVIATION ADMINISTRATION

PREPARED FOR:
WASHINGTON COUNTY AIRPORT
12225 EAST STATE HIGHWAY 8
MINERAL POINT, MO 63660

ISSUED FOR BID

THESE DRAWINGS ARE FOR PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

LAURA K. KOONCE 2022012014 05/28/24
NAME REG. NO. DATE
FOR AND ON BEHALF OF WOOLPERT



DES: N.B.B.		ISSUE RECORD			
DR: V.S.B.	NO.	BY	DATE	DESCRIPTION	
	1	L.K.K.	05/28/24	ISSUED FOR BID	
	2	L.K.K.	06/17/2024	ADDENDUM NO. 2	
CH: C.L.G.					
APP: L.K.K.					

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

COVER SHEET

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
WOOLPERT PROJ. NO. 1015274

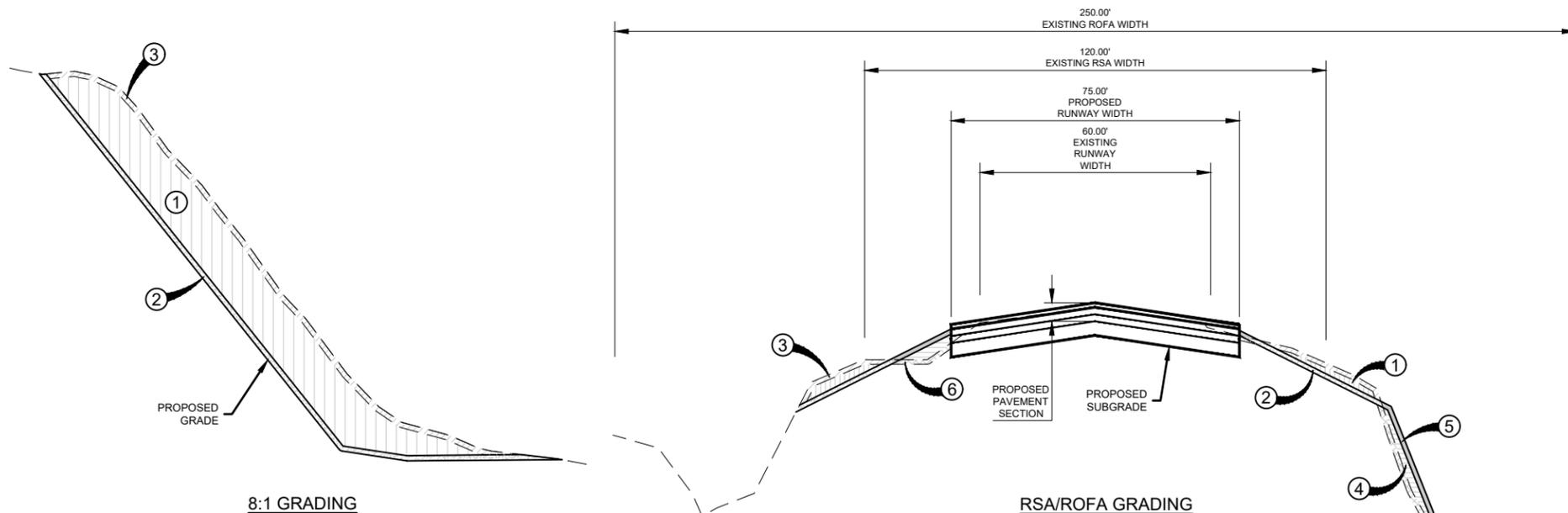
SHEET NAME G001
SHEET NO. 1 of 145

Printed June 17, 2024 @ 3:18 PM by: Bernell, Violet
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SUMMARY OF APPROXIMATE QUANTITIES

ITEM NO.	ITEM DESCRIPTION	UNITS	SCHEDULE I		SCHEDULE II		SCHEDULE III		SCHEDULE IV		SCHEDULE V		SCHEDULE ALT	
			ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT	ESTIMATE	AS BUILT
L-110a	Install 1-2" SCH. 40 PVC Conduit (DEB)	LF	0		0		0		10,750		0		0	
L-110b	Install 1-2" SCH. 40 PVC Conduit (CE)	LF	0		0		0		250		0		0	
L-110c	Install 2-3" Spare SCH. 40 PVC Conduit (CE)	LF	0		0		0		300		0		0	
L-115a	Remove L-867 Junction Box, Complete	EA	0		0		0		2		0		0	
L-115b	Install L-867 Junction Box, Complete	EA	0		0		0		2		0		0	
L-125a	Remove Runway Edge Light and Base, Complete	EA	0		42		0		0		0		0	
L-125b	Remove Runway Threshold Light and Base, Complete	EA	0		16		0		0		0		0	
L-125c	Remove Taxiway Edge Light and Base, Complete	EA	0		4		21		0		0		0	
L-125d	Install new LED L-861 Runway Edge Light on New Base, Complete	EA	0		0		0		42		0		0	
L-125e	Install New LED L-861E Runway Threshold Light on New Base, Complete	EA	0		0		0		16		0		0	
L-125f	Install New LED L-861T Taxiway Edge Light on New Base, Complete	EA	0		0		0		28		0		0	
L-125g	Install New L-858 Lighted Guidance Sign on New concrete Pad in Soil, Size 1, 1 Module, Complete	EA	0		0		0		0		3		0	
L-125h	Install New L-858 Lighted Guidance Sign on New Concrete Pad in Soil, Size 1, 3 Module, Complete	EA	0		0		0		0		2		0	
L-125i	Install L-881 LED PAPI System, Style A, on New Foundation, Complete	EA	0		0		0		2		0		0	
L-125j	Install PAPI Power Frame on New Foundation, Complete	EA	0		0		0		2		0		0	
L-125k	Install L-849 LED REIL System on New Foundation, Complete	EA	0		0		0		2		0		0	
L-125l	Install New L-853 Stake Mounted Retroreflective Marker	EA	0		0		0		6		0		0	
L-125m	Connect Airfield Circuits to Spare Constant Current Regulator	LS	0		0		0		1		0		0	
L-125n	Spare Parts for Airport Visual Aids (Unit Cost Fixed at \$10,000)	LS	0		0		0		1		0		0	

EARTHWORK SUMMARY		
AREA DESCRIPTION	CUT (CY)	FILL (CY)
SCHEDULE I		
RUNWAY 2/20 RECONSTRUCTION - 60'X4000' PAVEMENT AREA	8,750	50
SCHEDULE I SUBTOTAL	8,750	50
SCHEDULE II		
RUNWAY 2/20 WIDENING - 7.5'X4000' PAVEMENT AREA	1,930	55
TAXIWAY RECONSTRUCTION - PAVEMENT UP TO HOLD BAR	450	0
RSA/ROFA GRADING - RUNWAY AND TAXIWAY GRADING UP TO HOLD BAR	675	10,925
8:1 GRADING - BACKSLOPE GRADING OUTSIDE OF WEST ROFA	3,175	770
4" TOPSOIL - RSA/ROFA AND 8:1 GRADING AREAS	9,335	0
SCHEDULE II SUBTOTAL	15,565	11,695
SCHEDULE III		
APRON RECONSTRUCTION - PAVEMENT UP TO TAXIWAY CONNECTION	4,425	155
TAXIWAY RECONSTRUCTION - PAVEMENT BEYOND HOLD BAR & UP TO APRON CONNECTION	395	0
RSA/ROFA GRADING - RUNWAY, TAXIWAY AND APRON GRADING BEYOND HOLD BAR	0	450
4" TOPSOIL - RSA/ROFA GRADING ABOVE	350	0
SCHEDULE III SUBTOTAL	5,170	605
PROJECT TOTAL	29,485	12,350



1 EARTHWORK CALCULATIONS DETAIL (EXCAVATION)
NOT TO SCALE

- TOTAL EXCAVATION (PAY)**
- ① UNCLASSIFIED EXCAVATION VOLUME
 - ② TOPSOIL VOLUME AT EXCAVATION (PLACED)
 - ③ TOPSOIL VOLUME AT EXCAVATION (STRIPPED)
- TOTAL EMBANKMENT (NO PAY)**
- ④ EMBANKMENT VOLUME (FROM ONSITE OR BORROW SOURCE)
 - ⑤ TOPSOIL VOLUME AT EMBANKMENT (PLACED)
 - ⑥ TOPSOIL VOLUME AT EMBANKMENT (STRIPPED)

ISSUED FOR BID

THESE DRAWINGS ARE FOR PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

Laura K. Koonce	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

NOTE: ENTIRE SHEET HAS BEEN REVISED



DES: N.B.B.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/11/2024	ADDENDUM NO. 1
APP: L.K.K.	3	L.K.K.	06/17/2024	ADDENDUM NO. 2

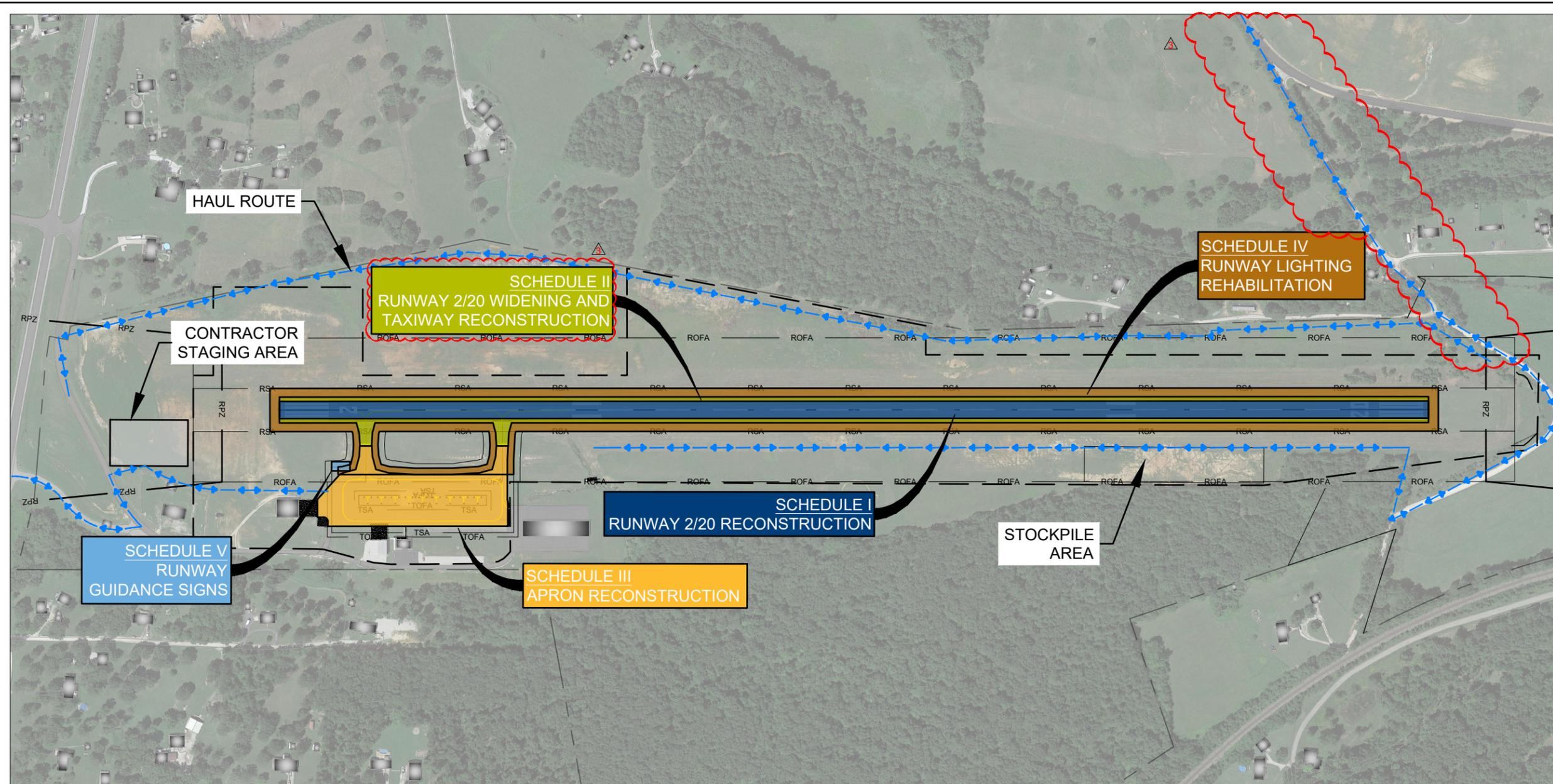
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

SUMMARY OF APPROXIMATE QUANTITIES	
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274

SHEET NAME
G005B

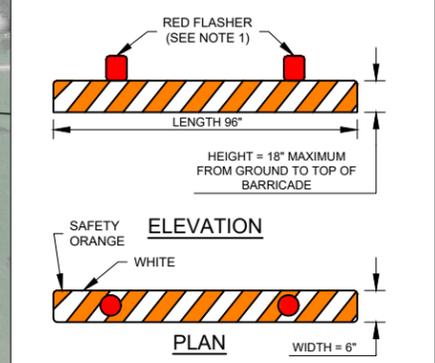
SHEET NO.
8 of 145

Printed June 17, 2024 @ 3:18 PM by: Bernell, Violet
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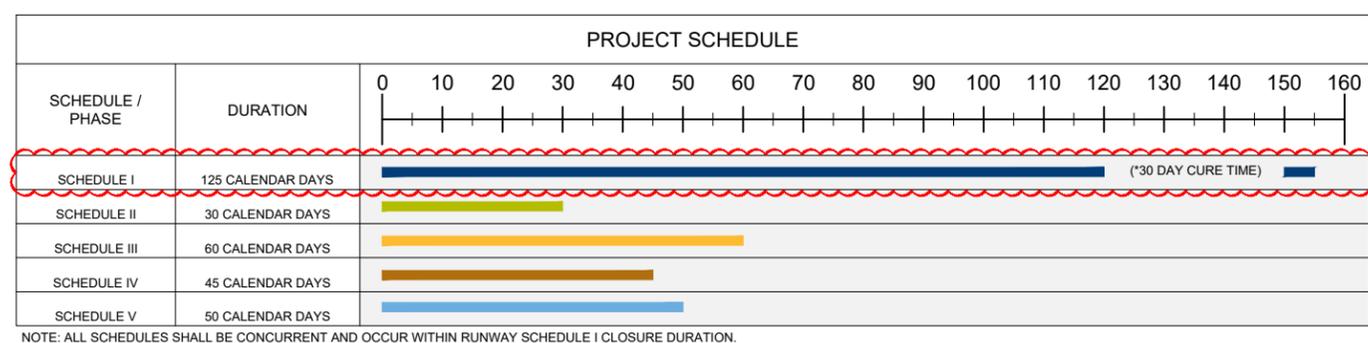
OVERALL PHASING LEGEND

	CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
	RSA RUNWAY SAFETY AREA
	ROFA RUNWAY OBJECT FREE AREA
	TSA TAXIWAY SAFETY AREA
	TOFA TAXIWAY OBJECT FREE AREA
	RPZ RUNWAY PROTECTION ZONE
	CONSTRUCTION WORK AREA



- FLASHER BARRICADES WILL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES. CONTRACTOR SHALL ALSO PROVIDE SPARE BARRICADES, BATTERIES, AND LIGHT BULBS FOR MAINTENANCE DURING NIGHTTIME HOURS.
- LOW-PROFILE BARRICADES TO BE PLACED AT 10' INTERVALS ADJACENT TO CONSTRUCTION, AS DIRECTED BY THE ENGINEER.
- BARRICADES ARE TO BE PLACED IN LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER THROUGHOUT ALL PHASES OF THE PROJECT. THE BARRICADE LOCATIONS PROVIDED ON THIS SHEET SHALL REMAIN THROUGHOUT CONSTRUCTION. ADDITIONAL BARRICADES WILL BE REQUIRED ACROSS PHASE SPECIFIC AREAS OF CLOSED PAVEMENT, AND ARE SHOWN ON PHASING SHEETS.
- FLASHER BARRICADES WILL BE REQUIRED ALONG THE EDGE OF ANY VERTICAL DROP OFF GREATER THAN 3". AIRPORT OPERATIONS WILL ISSUE NOTAM TO ADVISE AIRCRAFT OF THIS CONDITION.
- FLASHER BARRICADES ARE TO BE ADEQUATELY WEIGHTED SO THEY WILL REMAIN IN PLACE DURING TIMES OF HIGH WINDS OR AS APPROVED BY THE ENGINEER.

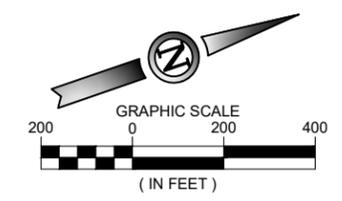
FLASHER BARRICADE DETAIL
1
NOT TO SCALE



SAFETY & OBJECT FREE AREAS

RUNWAY 2/20	
RUNWAY SAFETY AREA (RSA)	75' FROM RW CENTERLINE
RUNWAY OBJECT FREE AREA (ROFA)	250' FROM RW CENTERLINE
TAXIWAYS	
TAXIWAY SAFETY AREA (TSA)	39.5' FROM TW CENTERLINE
TAXIWAY OBJECT FREE AREA (TOFA)	65.5' FROM TW CENTERLINE

ALL TREE REMOVAL (3" OR LARGER) SHALL BE PERFORMED FROM NOVEMBER 1 THROUGH MARCH 31.



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Laura K. Koonce	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT



ISSUE RECORD

DES: N.B.B.	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

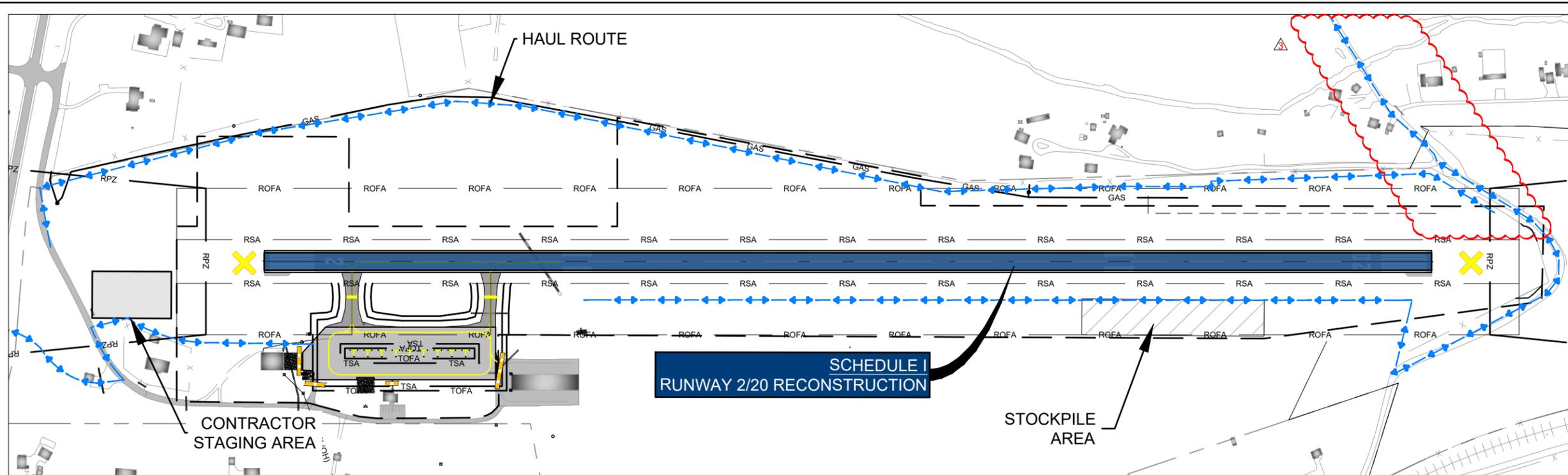
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

CONSTRUCTION SAFETY OVERALL PHASING PLAN

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
WOOLPERT PROJ. NO. 1015274

SHEET NAME
G050
SHEET NO.
17 of 145

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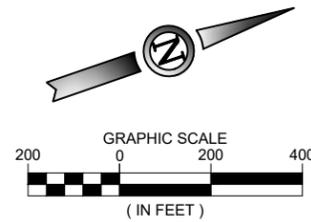
PHASING LEGEND

- CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
- RSA - RUNWAY SAFETY AREA
- ROFA - RUNWAY OBJECT FREE AREA
- TSA - TAXIWAY SAFETY AREA
- TOFA - TAXIWAY OBJECT FREE AREA
- RPZ - RUNWAY PROTECTION ZONE
- NAVAID CRITICAL AREA
- FLASHER BARRICADE
- CONTRACTOR STAGING AREA
- STOCK PILE AREA
- RUNWAY CLOSURE MARKER

**SCHEDULE I
RUNWAY 2/20 RECONSTRUCTION**

CONSTRUCTION PHASING NOTES

SCHEDULE I	MAJOR WORK TO BE COMPLETED	NOTES
<p>DURATION</p> <p>125 CALENDAR DAYS</p> <p>CONTRACTOR ACCESS TIMES</p> <p>24 HOUR ACCESS TO APPROVED WORK AREAS</p> <p>ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS:</p> <ul style="list-style-type: none"> RUNWAY WILL BE CLOSED THE ENTIRE DURATION IF BID ALTERNATE NO. 1 IS AWARDED, IT WILL REPLACE PAVEMENT SECTION FOR SCHEDULE I 	<p>SITE PREPARATION</p> <ol style="list-style-type: none"> EROSION CONTROL MEASURES CLEAR AND GRUB AREA FULL DEPTH PAVEMENT REMOVALS TREE REMOVAL FENCE REMOVAL <p>EARTHWORK</p> <ol style="list-style-type: none"> RECOMPACT NATIVE MATERIAL/EMBANKMENT PREPARATION CUT/FILL EARTHWORK <p>UTILITY</p> <ol style="list-style-type: none"> STORM SEWER <p>SITE RECLAMATION</p> <ol style="list-style-type: none"> SEEDING WITH HYDROMULCH EROSION CONTROL MEASURES <p>PAVEMENT SECTION</p> <ol style="list-style-type: none"> CEMENT TREATED SUBGRADE SUBBASE COURSE AGGREGATE BASE COURSE BITUMINOUS ASPHALT PAVEMENT TEMPORARY PAINT PERMANENT PAINT (AFTER 30 DAY CURE PERIOD) <p>BID ALTERNATE NO. 1 PAVEMENT SECTION</p> <ol style="list-style-type: none"> FULL DEPTH RECLAMATION BITUMINOUS ASPHALT PAVEMENT 	<p>IMPACTS ON OPERATIONS</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. CONTRACTOR TO MAINTAIN EMERGENCY VEHICLE ACCESS TO RUNWAY AT ALL TIMES. ALL NECESSARY TAXIWAY LIGHTS AND SIGNS SHALL BE COVERED FOR TEMPORARY TAXIWAY CLOSURES. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY THE ENGINEER AND SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURELY FASTENED TO PREVENT FREEING OF COVER FROM WIND. DURING PAVEMENT MARKING APPLICATIONS AND CURE TIMES, CONSTRUCTION BARRICADES SHALL BE INSTALLED AS DIRECTED BY ENGINEER FOR AREAS THAT ARE TEMPORARILY CLOSED TO TRAFFIC. NO WORK, OPEN EXCAVATIONS, EQUIPMENT, STOCKPILES, OR PERSONNEL ARE ALLOWED IN THE SAFETY AREAS OR OBJECT FREE AREAS FOR ANY ACTIVE TAXIWAY OR SAFETY AREAS FOR AN ACTIVE RUNWAY WHEN THE AIRPORT IS OPEN. ALL SAFETY AREAS AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS. PRIOR TO OPENING A RUNWAY OR TAXIWAY, ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 SPECIFICATIONS. GRADING WITHIN THE SAFETY AREA SHALL CONFORM TO AC 150/5300-13B, CHAPTER 3. CONTRACTOR TO PROVIDE RUNWAY CLOSURE MARKERS AND INSTALLATION OF MARKERS. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 2/20 DURING CLOSURES. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF RUNWAY X'S. BARRICADES SHALL BE INSTALLED PER PHASING PLANS AND AS REQUIRED BY AC 150/5370-2G OR AS DIRECTED BY THE ENGINEER. ALL STOCKPILES OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN APPROVED BY THE AIRPORT AND LOCAL JURISDICTION, AND A WORK PLAN FOR THIS SCHEDULE OF WORK. THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. <p>LIQUIDATED DAMAGES</p> <ol style="list-style-type: none"> LIQUIDATED DAMAGES IMPOSED UPON THE CONTRACTOR FOR FAILURE TO COMPLETE PROJECT WITHIN THE SPECIFIED ALLOTTED TIME WILL BE PER SECTION 80-08 OF THE CONTRACT DOCUMENTS. <p>FOREIGN OBJECT DEBRIS (FOD) CONTROL</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS. CONTRACTOR SHALL USE FLAGMEN AND SWEEPERS AT EACH ACTIVE PAVEMENT CROSSING. <p>NOTIFICATIONS</p> <ol style="list-style-type: none"> ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND 8WC AIRPORT MANAGER. NOTAMS FOR RUNWAY CLOSURES. ALL NOTAMS SHALL BE COORDINATED WITH 8WC AIRPORT MANAGER PER SHEET G051 SAFETY PLAN. <p>NOTES</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED ALONG THE HAUL ROUTES OR CONSTRUCTION ACCESS ROUTES TO THE PROJECT SITE. HAUL ROADS WILL BE MAINTAINED AND RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT NO EXPENSE TO THE SPONSOR. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, AND SEED PLACEMENT. ACCESS TO WORK AREAS WILL BE BY HAUL ROUTES ONLY. UNICOM - MONITOR 123.0 MHZ AT ALL TIMES. ALL COMPONENTS OF THE AIRFIELD LIGHTING SYSTEM OUTSIDE OF THE PROJECT AREA SHALL BE OPERATIONAL AT THE END OF EACH WORK SHIFT AND FOR EVERY PERIOD OF LOW VISIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY JUMPERS AND OTHER EQUIPMENT NECESSARY TO MAINTAIN AN OPERATIONAL SYSTEM DURING CONSTRUCTION. TEMPORARY JUMPERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS. ALL TEMPORARY JUMPERS SHALL BE INSTALLED IN CONDUIT. PRIOR TO BEGINNING ELECTRICAL DEMOLITION THE CONTRACTOR SHALL PROVIDE A PLAN TO THE ENGINEER DETAILING THE INSTALLATION OF ALL REQUIRED TEMPORARY JUMPERS. THE PLAN SHALL SHOW THE LOCATIONS AND INSTALLATION TECHNIQUES OF ALL JUMPERS AND SHALL DEMONSTRATE TO THE ENGINEER THE CONTRACTOR'S PLAN TO MAINTAIN THE INTEGRITY OF THE AIRFIELD CIRCUITS FOR THE DURATION OF CONSTRUCTION. ALL CIRCUITS THAT WILL BE WORKED ON SHOULD BE MEGGERED AND THE RESULTS REPORTS TO THE ENGINEER BEFORE WORK BEGINS AND AFTER WORK IS COMPLETE. MATERIAL STORAGE WITHIN THE PROJECT LIMITS MUST BE APPROVED BY THE ENGINEER. HAUL ROUTES TO AND FROM THE PROJECT SITE MUST BE APPROVED BY THE ENGINEER. OPERATIONS WITHIN THE AIRPORT OPERATIONS AREA (A.O.A.) MUST BE APPROVED BY THE ENGINEER. SUFFICIENT NOTICE OF THE OPERATIONS MUST BE GIVEN TO THE ENGINEER. SEE SAFETY PLAN FOR SPECIFIC SAFETY REQUIREMENTS.



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Laura K. Koonce	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



DES: N.B.B.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

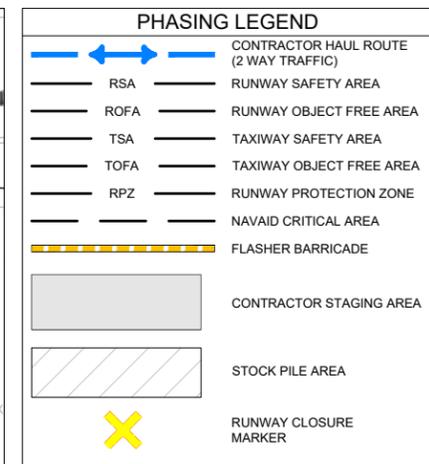
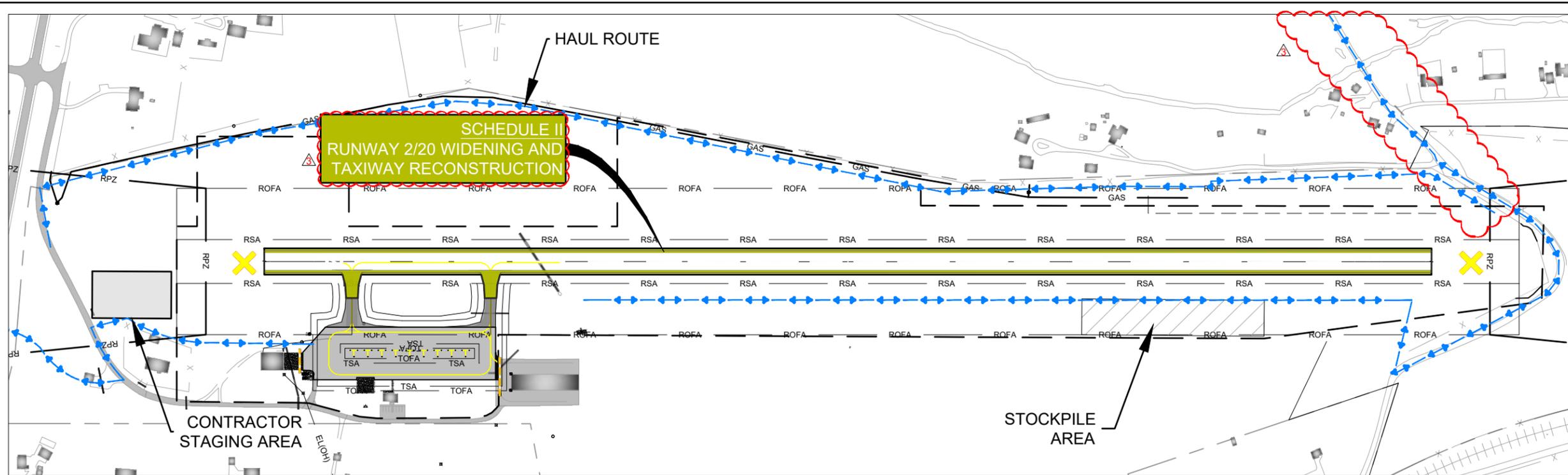
**CONSTRUCTION SAFETY PLAN
SCHEDULE I**

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
WOOLPERT PROJ. NO. 1015274

SHEET NAME
G052

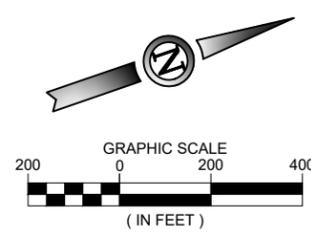
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CONSTRUCTION PHASING NOTES

SCHEDULE II	MAJOR WORK TO BE COMPLETED	NOTES
<p>DURATION</p> <p>30 CALENDAR DAYS</p> <p>CONSTRUCTION FOR SCHEDULE II SHALL OCCUR WITHIN THE SCHEDULE I DURATION</p> <p>SCHEDULE II MUST OCCUR BETWEEN NOVEMBER 1ST AND MARCH 31ST</p> <p>CONTRACTOR ACCESS TIMES</p> <p>24 HOUR ACCESS TO APPROVED WORK AREAS</p> <p>ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS:</p> <ul style="list-style-type: none"> Runway will be closed the entire duration 	<p>SITE PREPARATION</p> <ol style="list-style-type: none"> EROSION CONTROL MEASURES CLEAR AND GRUB AREA FULL DEPTH PAVEMENT REMOVALS ELECTRICAL REMOVALS <p>EARTHWORK</p> <ol style="list-style-type: none"> RECOMPACT NATIVE MATERIAL/EMBANKMENT PREPARATION CUT/FILL EARTHWORK <p>UTILITY</p> <ol style="list-style-type: none"> UNDERDRAINS AND STRUCTURES <p>SITE RECLAMATION</p> <ol style="list-style-type: none"> SEEDING WITH HYDROMULCH EROSION CONTROL MEASURES <p>PAVEMENT SECTION</p> <ol style="list-style-type: none"> CEMENT TREATED SUBGRADE SUBBASE COURSE AGGREGATE BASE COURSE BITUMINOUS ASPHALT PAVEMENT TEMPORARY PAINT PERMANENT PAINT (AFTER 30 DAY CURE PERIOD) 	<p>IMPACTS ON OPERATIONS</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. CONTRACTOR TO MAINTAIN EMERGENCY VEHICLE ACCESS TO RUNWAY AT ALL TIMES. ALL NECESSARY TAXIWAY LIGHTS AND SIGNS SHALL BE COVERED FOR TEMPORARY TAXIWAY CLOSURES. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY THE ENGINEER AND SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURELY FASTENED TO PREVENT FREEING OF COVER FROM WIND. DURING PAVEMENT MARKING APPLICATIONS AND CURE TIMES, CONSTRUCTION BARRICADES SHALL BE INSTALLED AS DIRECTED BY ENGINEER FOR AREAS THAT ARE TEMPORARILY CLOSED TO TRAFFIC. NO WORK, OPEN EXCAVATIONS, EQUIPMENT, STOCKPILES, OR PERSONNEL ARE ALLOWED IN THE SAFETY AREAS OR OBJECT FREE AREAS FOR ANY ACTIVE TAXIWAY OR SAFETY AREAS FOR AN ACTIVE RUNWAY WHEN THE AIRPORT IS OPEN. ALL SAFETY AREAS AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS. PRIOR TO OPENING A RUNWAY OR TAXIWAY, ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 SPECIFICATIONS. GRADING WITHIN THE SAFETY AREA SHALL CONFORM TO AC 150/5300-13B, CHAPTER 3. CONTRACTOR TO PROVIDE RUNWAY CLOSURE MARKERS AND INSTALLATION OF MARKERS. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 2/20 DURING CLOSURES. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF RUNWAY X'S. BARRICADES SHALL BE INSTALLED PER PHASING PLANS AND AS REQUIRED BY AC 150/5370-2G OR AS DIRECTED BY THE ENGINEER. ALL STOCKPILES OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN APPROVED BY THE AIRPORT AND LOCAL JURISDICTION, AND A WORK PLAN FOR THIS SCHEDULE OF WORK. THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. <p>LIQUIDATED DAMAGES</p> <ol style="list-style-type: none"> LIQUIDATED DAMAGES IMPOSED UPON THE CONTRACTOR FOR FAILURE TO COMPLETE PROJECT WITHIN THE SPECIFIED ALLOTTED TIME WILL BE PER SECTION 80-08 OF THE CONTRACT DOCUMENTS. <p>FOREIGN OBJECT DEBRIS (FOD) CONTROL</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS. CONTRACTOR SHALL USE FLAGMEN AND SWEEPERS AT EACH ACTIVE PAVEMENT CROSSING. <p>NOTIFICATIONS</p> <ol style="list-style-type: none"> ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND 8WC AIRPORT MANAGER. NOTAMS FOR RUNWAY CLOSURES. ALL NOTAMS SHALL BE COORDINATED WITH 8WC AIRPORT MANAGER PER SHEET G051 SAFETY PLAN. <p>IMPACTS ON OPERATIONS (CONTINUED)</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED ALONG THE HAUL ROUTES OR CONSTRUCTION ACCESS ROUTES TO THE PROJECT SITE. HAUL ROADS WILL BE MAINTAINED AND RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT NO EXPENSE TO THE SPONSOR. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, AND SEED PLACEMENT. ACCESS TO WORK AREAS WILL BE BY HAUL ROUTES ONLY. UNICOM - MONITOR 123.0 MHZ AT ALL TIMES. ALL COMPONENTS OF THE AIRFIELD LIGHTING SYSTEM OUTSIDE OF THE PROJECT AREA SHALL BE OPERATIONAL AT THE END OF EACH WORK SHIFT AND FOR EVERY PERIOD OF LOW VISIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY JUMPERS AND OTHER EQUIPMENT NECESSARY TO MAINTAIN AN OPERATIONAL SYSTEM DURING CONSTRUCTION. TEMPORARY JUMPERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS. ALL TEMPORARY JUMPERS SHALL BE INSTALLED IN CONDUIT. PRIOR TO BEGINNING ELECTRICAL DEMOLITION THE CONTRACTOR SHALL PROVIDE A PLAN TO THE ENGINEER DETAILING THE INSTALLATION OF ALL REQUIRED TEMPORARY JUMPERS. THE PLAN SHALL SHOW THE LOCATIONS AND INSTALLATION TECHNIQUES OF ALL JUMPERS AND SHALL DEMONSTRATE TO THE ENGINEER THE CONTRACTOR'S PLAN TO MAINTAIN THE INTEGRITY OF THE AIRFIELD CIRCUITS FOR THE DURATION OF CONSTRUCTION. ALL CIRCUITS THAT WILL BE WORKED ON SHOULD BE MEGGERED AND THE RESULTS REPORTS TO THE ENGINEER BEFORE WORK BEGINS AND AFTER WORK IS COMPLETE. MATERIAL STORAGE WITHIN THE PROJECT LIMITS MUST BE APPROVED BY THE ENGINEER. HAUL ROUTES TO AND FROM THE PROJECT SITE MUST BE APPROVED BY THE ENGINEER. OPERATIONS WITHIN THE AIRPORT OPERATIONS AREA (A.O.A.) MUST BE APPROVED BY THE ENGINEER. SUFFICIENT NOTICE OF THE OPERATIONS MUST BE GIVEN TO THE ENGINEER. SEE SAFETY PLAN FOR SPECIFIC SAFETY REQUIREMENTS.



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Laura K. Koonce	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



DES: N.B.B.	ISSUE RECORD			
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APP: L.K.K.				

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

CONSTRUCTION SAFETY PLAN SCHEDULE II

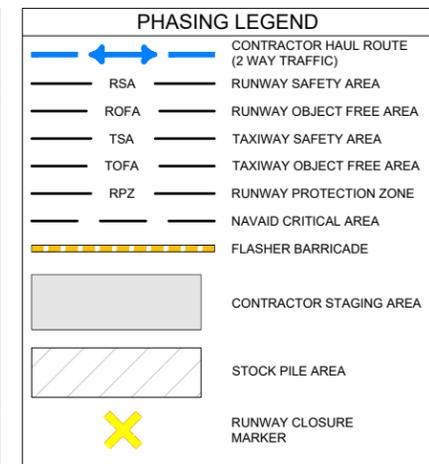
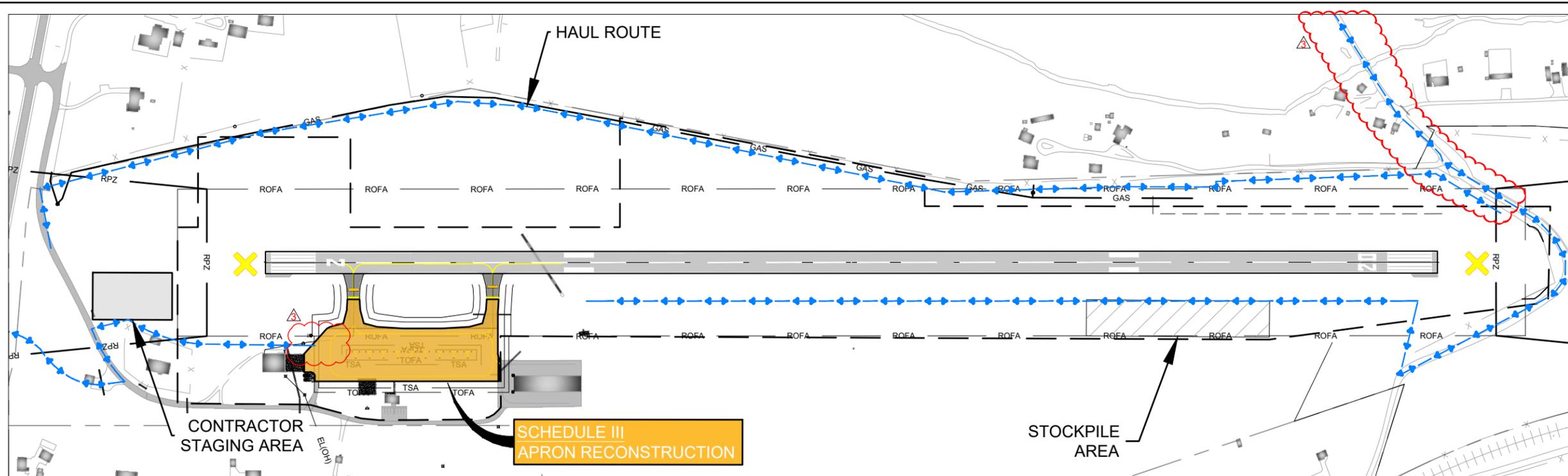
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2

WOOLPERT PROJ. NO. 1015274

SHEET NAME
G053

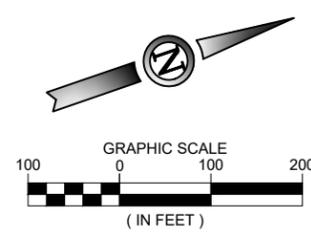
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CONSTRUCTION PHASING NOTES

SCHEDULE III	MAJOR WORK TO BE COMPLETED	NOTES
<p>DURATION</p> <p>60 CALENDAR DAYS</p> <p>CONSTRUCTION FOR SCHEDULE III SHALL OCCUR WITHIN THE SCHEDULE I DURATION</p> <p>CONTRACTOR ACCESS TIMES</p> <p>24 HOUR ACCESS TO APPROVED WORK AREAS</p> <p>ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS:</p> <ul style="list-style-type: none"> RUNWAY AND APRON WILL BE CLOSED THE ENTIRE DURATION 	<p>SITE PREPARATION</p> <ol style="list-style-type: none"> EROSION CONTROL MEASURES CLEAR AND GRUB AREA FULL DEPTH PAVEMENT REMOVALS PARTIAL DEPTH PAVEMENT REMOVAL ELECTRICAL REMOVALS <p>EARTHWORK</p> <ol style="list-style-type: none"> RECOMPACT NATIVE MATERIAL/EMBANKMENT PREPARATION CUT/FILL EARTHWORK <p>UTILITY</p> <ol style="list-style-type: none"> STORM SEWER UNDERDRAINS AND STRUCTURES <p>SITE RECLAMATION</p> <ol style="list-style-type: none"> SEEDING WITH HYDROMULCH EROSION CONTROL MEASURES <p>PAVEMENT SECTION</p> <ol style="list-style-type: none"> CEMENT TREATED SUBGRADE SUBBASE COURSE AGGREGATE BASE COURSE BITUMINOUS ASPHALT PAVEMENT TEMPORARY PAINT PERMANENT PAINT (AFTER 30 DAY CURE PERIOD) 	<p>IMPACTS ON OPERATIONS</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. CONTRACTOR TO MAINTAIN EMERGENCY VEHICLE ACCESS TO RUNWAY AT ALL TIMES. ALL NECESSARY TAXIWAY LIGHTS AND SIGNS SHALL BE COVERED FOR TEMPORARY TAXIWAY CLOSURES. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY THE ENGINEER AND SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURELY FASTENED TO PREVENT FREEING OF COVER FROM WIND. DURING PAVEMENT MARKING APPLICATIONS AND CURE TIMES, CONSTRUCTION BARRICADES SHALL BE INSTALLED AS DIRECTED BY ENGINEER FOR AREAS THAT ARE TEMPORARILY CLOSED TO TRAFFIC. NO WORK, OPEN EXCAVATIONS, EQUIPMENT, STOCKPILES, OR PERSONNEL ARE ALLOWED IN THE SAFETY AREAS OR OBJECT FREE AREAS FOR ANY ACTIVE TAXIWAY OR SAFETY AREAS FOR AN ACTIVE RUNWAY WHEN THE AIRPORT IS OPEN. ALL SAFETY AREAS AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS. PRIOR TO OPENING A RUNWAY OR TAXIWAY, ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 SPECIFICATIONS. GRADING WITHIN THE SAFETY AREA SHALL CONFORM TO AC 150/5300-13B, CHAPTER 3. CONTRACTOR TO PROVIDE RUNWAY CLOSURE MARKERS AND INSTALLATION OF MARKERS. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 2/20 DURING CLOSURES. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF RUNWAY X'S. BARRICADES SHALL BE INSTALLED PER PHASING PLANS AND AS REQUIRED BY AC 150/5370-2G OR AS DIRECTED BY THE ENGINEER. ALL STOCKPILES OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN APPROVED BY THE AIRPORT AND LOCAL JURISDICTION, AND A WORK PLAN FOR THIS SCHEDULE OF WORK. THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. <p>LIQUIDATED DAMAGES</p> <ol style="list-style-type: none"> LIQUIDATED DAMAGES IMPOSED UPON THE CONTRACTOR FOR FAILURE TO COMPLETE PROJECT WITHIN THE SPECIFIED ALLOTTED TIME WILL BE PER SECTION 80-08 OF THE CONTRACT DOCUMENTS. <p>FOREIGN OBJECT DEBRIS (FOD) CONTROL</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS. CONTRACTOR SHALL USE FLAGMEN AND SWEEPERS AT EACH ACTIVE PAVEMENT CROSSING. <p>NOTIFICATIONS</p> <ol style="list-style-type: none"> ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND 8WC AIRPORT MANAGER. NOTAMS FOR RUNWAY CLOSURES. ALL NOTAMS SHALL BE COORDINATED WITH 8WC AIRPORT MANAGER PER SHEET G051 SAFETY PLAN. <p>IMPACTS ON OPERATIONS (continued)</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION TRAFFIC LIMITED TO THE APPROVED HAUL ROUTES AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED ALONG THE HAUL ROUTES OR CONSTRUCTION ACCESS ROUTES TO THE PROJECT SITE. HAUL ROADS WILL BE MAINTAINED AND RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT NO EXPENSE TO THE SPONSOR. PRIOR TO ACCEPTANCE AND OPENING OF AN AREA TO AIRCRAFT, ALL FINAL GRADING MUST BE COMPLETED. THIS INCLUDES ROCK REMOVAL, FINE GRADING, AND SEED PLACEMENT. ACCESS TO WORK AREAS WILL BE BY HAUL ROUTES ONLY. UNICOM - MONITOR 123.0 MHZ AT ALL TIMES. ALL COMPONENTS OF THE AIRFIELD LIGHTING SYSTEM OUTSIDE OF THE PROJECT AREA SHALL BE OPERATIONAL AT THE END OF EACH WORK SHIFT AND FOR EVERY PERIOD OF LOW VISIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TEMPORARY JUMPERS AND OTHER EQUIPMENT NECESSARY TO MAINTAIN AN OPERATIONAL SYSTEM DURING CONSTRUCTION. TEMPORARY JUMPERS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS BID ITEMS. ALL TEMPORARY JUMPERS SHALL BE INSTALLED IN CONDUIT. PRIOR TO BEGINNING ELECTRICAL DEMOLITION THE CONTRACTOR SHALL PROVIDE A PLAN TO THE ENGINEER DETAILING THE INSTALLATION OF ALL REQUIRED TEMPORARY JUMPERS. THE PLAN SHALL SHOW THE LOCATIONS AND INSTALLATION TECHNIQUES OF ALL JUMPERS AND SHALL DEMONSTRATE TO THE ENGINEER THE CONTRACTOR'S PLAN TO MAINTAIN THE INTEGRITY OF THE AIRFIELD CIRCUITS FOR THE DURATION OF CONSTRUCTION. ALL CIRCUITS THAT WILL BE WORKED ON SHOULD BE MEGGERED AND THE RESULTS REPORTS TO THE ENGINEER BEFORE WORK BEGINS AND AFTER WORK IS COMPLETE. MATERIAL STORAGE WITHIN THE PROJECT LIMITS MUST BE APPROVED BY THE ENGINEER. HAUL ROUTES TO AND FROM THE PROJECT SITE MUST BE APPROVED BY THE ENGINEER. OPERATIONS WITHIN THE AIRPORT OPERATIONS AREA (A.O.A.) MUST BE APPROVED BY THE ENGINEER. SUFFICIENT NOTICE OF THE OPERATIONS MUST BE GIVEN TO THE ENGINEER. SEE SAFETY PLAN FOR SPECIFIC SAFETY REQUIREMENTS.



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LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		

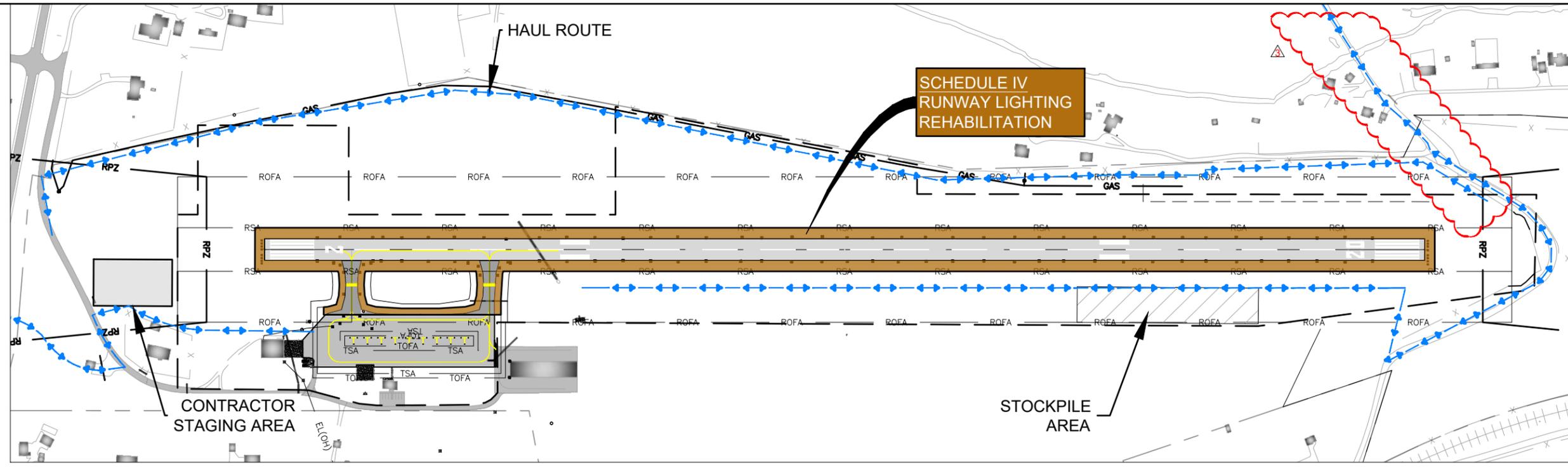


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	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

CONSTRUCTION SAFETY PLAN SCHEDULE III		SHEET NAME G054
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274	SHEET NO. 21 of 145

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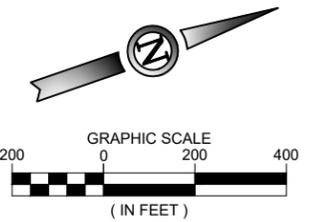


PHASING LEGEND

- CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
- RSA - RUNWAY SAFETY AREA
- ROFA - RUNWAY OBJECT FREE AREA
- TSA - TAXIWAY SAFETY AREA
- TOFA - TAXIWAY OBJECT FREE AREA
- RPZ - RUNWAY PROTECTION ZONE
- NAVAID CRITICAL AREA
- FLASHER BARRICADE
- CONTRACTOR STAGING AREA
- STOCK PILE AREA
- RUNWAY CLOSURE MARKER

CONSTRUCTION PHASING NOTES

SCHEDULE IV	MAJOR WORK TO BE COMPLETED	NOTES
<p>DURATION</p> <p>45 CALENDAR DAYS</p> <p>CONSTRUCTION FOR SCHEDULE IV SHALL OCCUR WITHIN THE SCHEDULE I DURATION</p> <p>CONTRACTOR ACCESS TIMES</p> <p>24 HOUR ACCESS TO APPROVED WORK AREAS</p> <p>ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS:</p> <ul style="list-style-type: none"> RUNWAY WILL BE CLOSED THE ENTIRE DURATION 	<p>SITE PREPARATION</p> <p>1. ELECTRICAL REMOVALS</p> <p>UTILITY</p> <p>1. INSTALL NEW RUNWAY EDGE, TAXIWAY EDGE, AND THRESHOLD LIGHTING.*</p> <p>2. TRENCHING AND PLACEMENT OF CONDUIT, CABLE, AND COUNTERPOISE.</p> <p>3. REMOVAL OF EXISTING REIL'S.</p> <p>4. INSTALLATION OF NEW LED PAPI'S ON BOTH RUNWAY ENDS AND REIL'S ON BOTH RUNWAY ENDS.</p> <p>5. INSTALL NEW STAKE MOUNTED RETROREFLECTIVE MARKERS.</p> <p>SITE RECLAMATION</p> <p>1. SEEDING</p>	<p>IMPACTS ON OPERATIONS</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. CONTRACTOR TO MAINTAIN EMERGENCY VEHICLE ACCESS TO RUNWAY AT ALL TIMES. ALL NECESSARY TAXIWAY LIGHTS AND SIGNS SHALL BE COVERED FOR TEMPORARY TAXIWAY CLOSURES. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY THE ENGINEER AND SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURELY FASTENED TO PREVENT FREEING OF COVER FROM WIND. DURING PAVEMENT MARKING APPLICATIONS AND CURE TIMES, CONSTRUCTION BARRICADES SHALL BE INSTALLED AS DIRECTED BY ENGINEER FOR AREAS THAT ARE TEMPORARILY CLOSED TO TRAFFIC. NO WORK, OPEN EXCAVATIONS, EQUIPMENT, STOCKPILES, OR PERSONNEL ARE ALLOWED IN THE SAFETY AREAS OR OBJECT FREE AREAS FOR ANY ACTIVE TAXIWAY OR SAFETY AREAS FOR AN ACTIVE RUNWAY WHEN THE AIRPORT IS OPEN. ALL SAFETY AREAS AND OBJECT FREE AREAS FOR ACTIVE AIRPORT PAVEMENTS ARE OFF LIMITS TO THE CONTRACTOR WITHOUT PRIOR APPROVAL FROM AIRPORT OPERATIONS. PRIOR TO OPENING A RUNWAY OR TAXIWAY, ALL EXCAVATIONS AND TRENCHES IN THE SAFETY AREAS SHALL BE BACKFILLED AND COMPACTED TO P-152 SPECIFICATIONS. GRADING WITHIN THE SAFETY AREA SHALL CONFORM TO AC 150/5300-13B, CHAPTER 3. CONTRACTOR TO PROVIDE RUNWAY CLOSURE MARKERS AND INSTALLATION OF MARKERS. RUNWAY CLOSURE MARKERS SHALL BE INSTALLED ON RUNWAY 2/20 DURING CLOSURES. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF RUNWAY X'S. BARRICADES SHALL BE INSTALLED PER PHASING PLANS AND AS REQUIRED BY AC 150/5370-2G OR AS DIRECTED BY THE ENGINEER. ALL STOCKPILES OR EQUIPMENT ADJACENT TO OBJECT FREE AREAS SHALL BE MARKED AND LIGHTED PER AC 150/5370-2G. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN APPROVED BY THE AIRPORT AND LOCAL JURISDICTION, AND A WORK PLAN FOR THIS SCHEDULE OF WORK. THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. <p>LIQUIDATED DAMAGES</p> <ol style="list-style-type: none"> LIQUIDATED DAMAGES IMPOSED UPON THE CONTRACTOR FOR FAILURE TO COMPLETE PROJECT WITHIN THE SPECIFIED ALLOTTED TIME WILL BE PER SECTION 80-08 OF THE CONTRACT DOCUMENTS. <p>FOREIGN OBJECT DEBRIS (FOD) CONTROL</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS. CONTRACTOR SHALL USE FLAGMEN AND SWEEPERS AT EACH ACTIVE PAVEMENT CROSSING. <p>NOTIFICATIONS</p> <ol style="list-style-type: none"> ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND 8WC AIRPORT MANAGER. NOTAMS FOR RUNWAY CLOSURES. ALL NOTAMS SHALL BE COORDINATED WITH 8WC AIRPORT MANAGER PER SHEET G051 SAFETY PLAN. <p>19. MATERIAL STORAGE WITHIN THE PROJECT LIMITS MUST BE APPROVED BY THE ENGINEER.</p> <p>20. HAUL ROUTES TO AND FROM THE PROJECT SITE MUST BE APPROVED BY THE ENGINEER.</p> <p>21. OPERATIONS WITHIN THE AIRPORT OPERATIONS AREA (A.O.A.) MUST BE APPROVED BY THE ENGINEER. SUFFICIENT NOTICE OF THE OPERATIONS MUST BE GIVEN TO THE ENGINEER.</p> <p>22. SEE SAFETY PLAN FOR SPECIFIC SAFETY REQUIREMENTS.</p>



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NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		

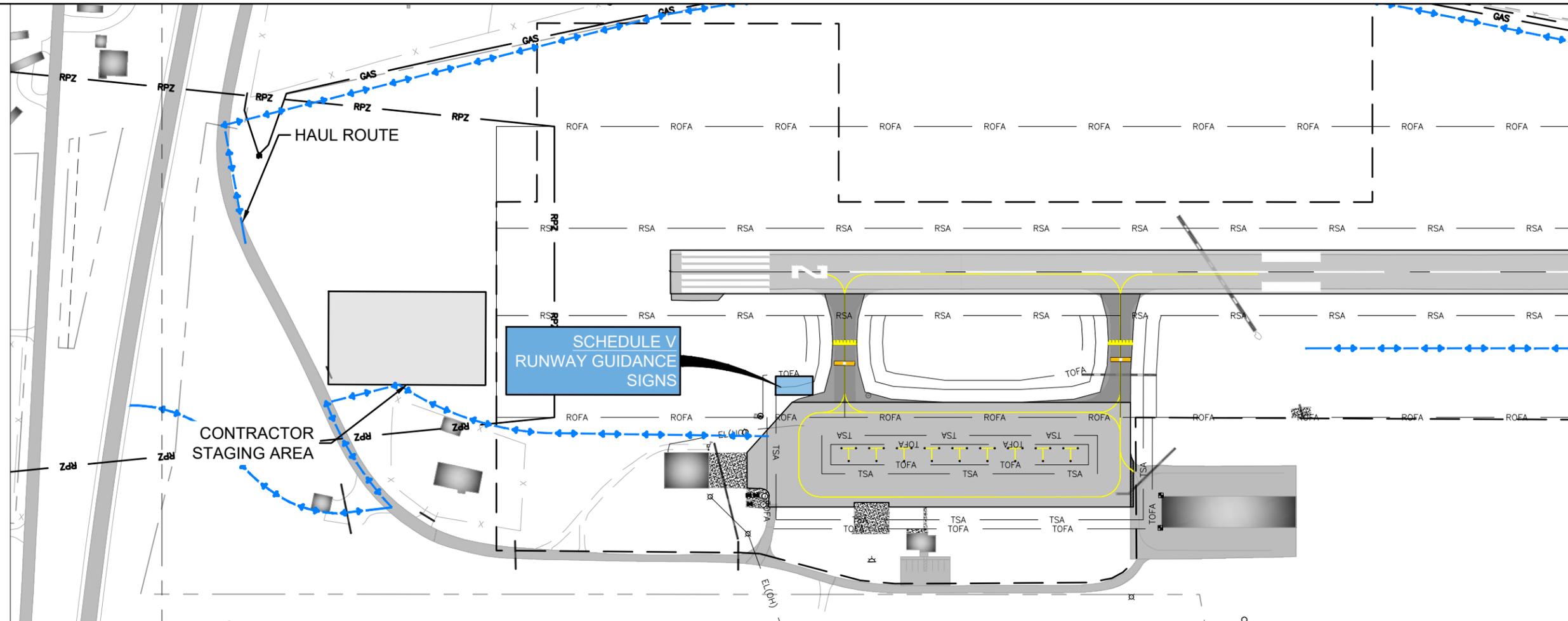


DES: N.B.B.	ISSUE RECORD			
DR: V.S.B.	NO.	BY	DATE	DESCRIPTION
CH: C.L.G.	1	L.K.K.	05/28/24	ISSUED FOR BID
APP: L.K.K.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

CONSTRUCTION SAFETY PLAN SCHEDULE IV		SHEET NAME G055
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274	SHEET NO. 22 of 145

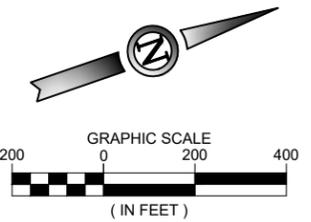
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PHASING LEGEND	
	CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
	RSA RUNWAY SAFETY AREA
	ROFA RUNWAY OBJECT FREE AREA
	TSA TAXIWAY SAFETY AREA
	TOFA TAXIWAY OBJECT FREE AREA
	RPZ RUNWAY PROTECTION ZONE
	NAVIAID CRITICAL AREA
	FLASHER BARRICADE
	CONTRACTOR STAGING AREA
	STOCK PILE AREA
	RUNWAY CLOSURE MARKER

CONSTRUCTION PHASING NOTES

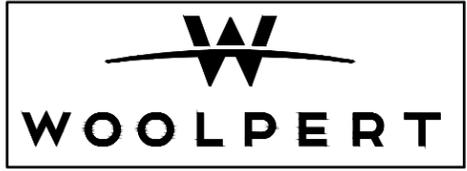
SCHEDULE V	MAJOR WORK TO BE COMPLETED	IMPACTS ON OPERATIONS	NOTIFICATIONS	LIQUIDATED DAMAGES
<p>DURATION</p> <p>50 CALENDAR DAYS</p> <p>CONSTRUCTION FOR SCHEDULE V SHALL OCCUR WITHIN THE SCHEDULE I DURATION</p> <p>CONTRACTOR ACCESS TIMES</p> <p>24 HOUR ACCESS TO APPROVED WORK AREAS</p> <p>ALL AIRPORT OPERATIONS AREAS SHALL REMAIN OPEN AND UNAFFECTED DURING THIS SCHEDULE WITH THE FOLLOWING EXCEPTIONS:</p> <ul style="list-style-type: none"> RUNWAY AND TAXIWAYS WILL BE CLOSED THE ENTIRE DURATION 	<p>UTILITY</p> <ol style="list-style-type: none"> INSTALL NEW LIGHTED GUIDANCE SIGNS ON NEW CONCRETE PADS. TRENCHING AND PLACEMENT OF CONDUIT, CABLE, AND COUNTERPOISE. 	<p>IMPACTS ON OPERATIONS</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL GIVE RIGHT OF WAY TO ALL AIRCRAFT AND EMERGENCY VEHICLES AT ALL TIMES. CONTRACTOR TO MAINTAIN EMERGENCY VEHICLE ACCESS TO RUNWAY AT ALL TIMES. ALL NECESSARY TAXIWAY LIGHTS AND SIGNS SHALL BE COVERED FOR TEMPORARY TAXIWAY CLOSURES. CONTRACTOR METHOD FOR COVERING OF LIGHTS AND SIGNS SHALL BE APPROVED BY THE ENGINEER AND SHALL PREVENT DAMAGE TO THE EQUIPMENT AND SHALL BE SECURELY FASTENED TO PREVENT FREEING OF COVER FROM WIND. DURING PAVEMENT MARKING APPLICATIONS AND CURE TIMES, CONSTRUCTION BARRICADES SHALL BE INSTALLED AS DIRECTED BY ENGINEER FOR AREAS THAT ARE TEMPORARILY CLOSED TO TRAFFIC. 	<p>NOTIFICATIONS</p> <ol style="list-style-type: none"> ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND 8WC AIRPORT MANAGER. NOTAMS FOR RUNWAY CLOSURES. ALL NOTAMS SHALL BE COORDINATED WITH 8WC AIRPORT MANAGER PER SHEET G051 SAFETY PLAN. <p>FOREIGN OBJECT DEBRIS (FOD) CONTROL</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL HAVE A SWEEPER ON SITE AT ALL TIMES TO CLEAN DEBRIS FROM HAUL ROUTES, CONSTRUCTION ACCESS POINTS, OR AREAS ADJACENT TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ANY DEBRIS FROM AIRFIELD PAVEMENTS. CONTRACTOR SHALL USE FLAGMEN AND SWEEPERS AT EACH ACTIVE PAVEMENT CROSSING. 	<p>LIQUIDATED DAMAGES</p> <ol style="list-style-type: none"> LIQUIDATED DAMAGES IMPOSED UPON THE CONTRACTOR FOR FAILURE TO COMPLETE PROJECT WITHIN THE SPECIFIED ALLOTTED TIME WILL BE PER SECTION 80-08 OF THE CONTRACT DOCUMENTS.



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NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



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	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

CONSTRUCTION SAFETY PLAN SCHEDULE V

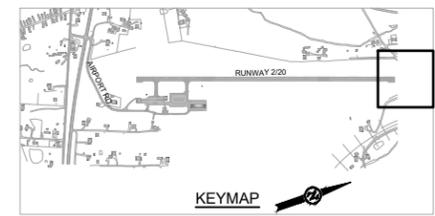
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2

WOOLPERT PROJ. NO. 1015274

SHEET NAME
G056

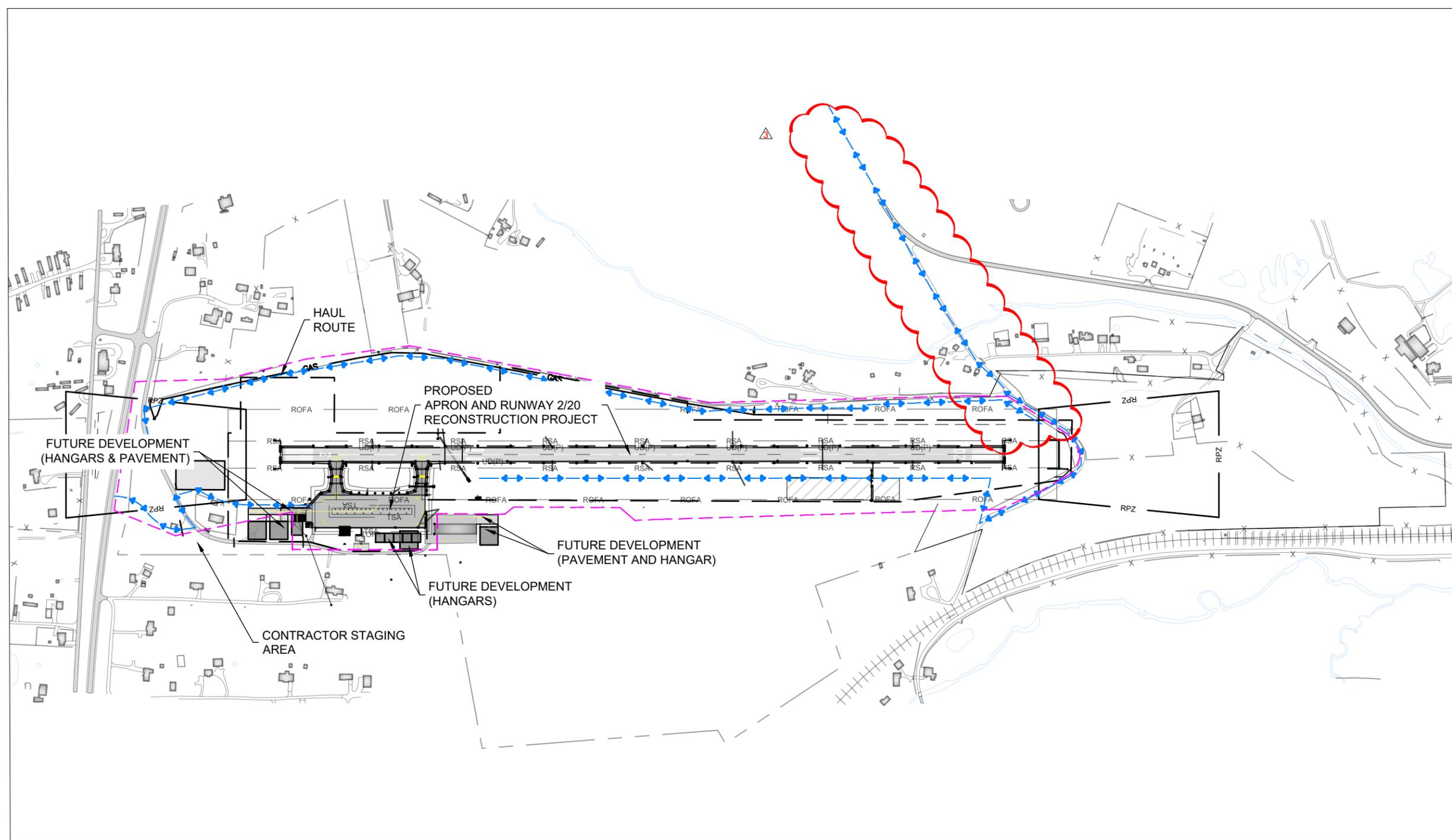
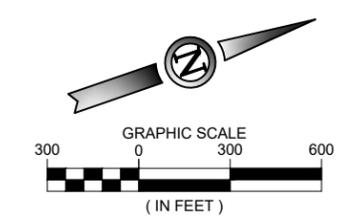
SHEET NO.
23 of 145

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ENVIRONMENTAL LEGEND

- PROTECTED WETLANDS AREA
- ALLOWABLE WETLANDS IMPACT
- PROTECTED WILDLIFE AREA
- PROTECTED WATERWAY (SURFACE WATER)
- PROTECTED WATERWAY (DITCH, STREAM, RIVER)
- PROTECTED CULTURAL AREA
- CONTAMINATED AREA
- CONTRACTOR HAUL ROUTE (2 WAY TRAFFIC)
- BOUNDARY FROM APPROVED CATEX / EA
- APPROX. WORK LIMITS
- CONTRACTOR STAGING AREA
- STORAGE, WASTE, BORROW AREAS



- NOTES:**
1. SPECIFIC, KNOWN ENVIRONMENTALLY SENSITIVE AREAS ARE SHOWN THE PLAN. OTHER, UNIDENTIFIED ENVIRONMENTALLY SENSITIVE AREAS MAY EXIST OUTSIDE OF PROJECT AREA DEFINED IN THE PLAN.
 2. ALL ENVIRONMENTALLY SENSITIVE AREAS IDENTIFIED IN THE PLANS SHALL BE DEMARCKED USING CONSTRUCTION FENCING, USING THE APPROPRIATE BUFFER DISTANCE.
 3. THE CONTRACTOR SHALL ENSURE CONFORMANCE WITH SPECIFIC ENVIRONMENTAL REQUIREMENTS FROM THE APPROVED ENVIRONMENTAL DOCUMENTATION:
 - 3.1. WILDLIFE SPECIFIC REQUIREMENTS
 - 3.2. WETLANDS SPECIFIC REQUIREMENTS
 - 3.3. WATERWAYS SPECIFIC REQUIREMENTS
 - 3.4. CULTURAL SITE SPECIFIC REQUIREMENTS
 4. THE CONTRACTOR IS REQUIRED TO CONFORM TO THE SITE LAYOUT, AS INDICATED IN THE CONSTRUCTION PLANS. THIS INCLUDES: PROJECT WORK LIMITS, HAUL ROUTES, STAGING AREAS, STORAGE AREAS, WASTE AREAS, AND BORROW AREAS.
 5. ALL CHANGES TO THE SITE LAYOUT SHALL BE REVIEWED AND APPROVED BY THE RPR PRIOR TO MAKING ANY CHANGES:
 - 5.1. CONTRACTOR TO SUBMIT, IN WRITING TO THE RPR, A REQUEST TO MODIFY THE SITE LAYOUT (PROJECT WORK LIMITS, HAUL ROUTES, STAGING & STORAGE AREAS, BORROW & WASTE AREAS). IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ENOUGH DOCUMENTATION TO JUSTIFY THE CHANGE.
 - 5.2. THE PROPOSED CHANGE WILL BE REVIEWED BY THE RPR AND THE SPONSOR.
 - 5.3. THE RPR WILL COORDINATE WITH FAA ENVIRONMENTAL TO OBTAIN CLEARANCE. ALLOW AT LEAST 2 WEEKS FOR FAA APPROVAL. NO ADDITIONAL DAYS WILL BE PROVIDED FOR THE REVIEW & APPROVAL PERIOD.
 - 5.4. SHOULD THE FAA DETERMINE THAT ADDITIONAL ENVIRONMENTAL REVIEWS ARE REQUIRED AS A RESULT OF THE PROPOSED CHANGES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND COORDINATION FOR ANY ENVIRONMENTAL REVIEWS.
 - 5.5. A REVISED SITE LAYOUT PLAN WILL BE PRODUCED TO DOCUMENT THE CHANGE. CHANGE ORDER?
 6. FOR DETAILED WORK LIMITS:
 - 6.1. REFER TO SHEET SERIES C100 FOR DEMOLITION LIMITS
 - 6.2. REFER TO SHEET SERIES C200 FOR GEOMETRY LIMITS
 - 6.3. REFER TO SHEET SERIES C300 FOR GRADING LIMITS
 - 6.4. REFER TO SHEET SERIES C800 FOR EROSION CONTROL LIMITS

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RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

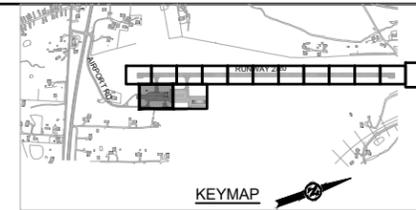
ENVIRONMENTAL REQUIREMENTS AND DETAILS	SHEET NAME G070
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274
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MATCHLINE SEE SHEET C100

MATCHLINE - SEE SHEET C101

MATCHLINE SEE SHEET C102

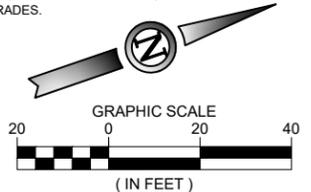


DEMOLITION LEGEND

- FULL DEPTH ASPHALT REMOVAL (3" APPROXIMATE DEPTH)
- PARTIAL DEPTH ASPHALT REMOVAL (1.5" NOMINAL DEPTH)
- CLEARING AND GRUBBING
- BUILDING FOUNDATION REMOVAL
- LIMITS OF TREE REMOVAL
- ITEM REMOVAL

GENERAL DEMOLITION NOTES

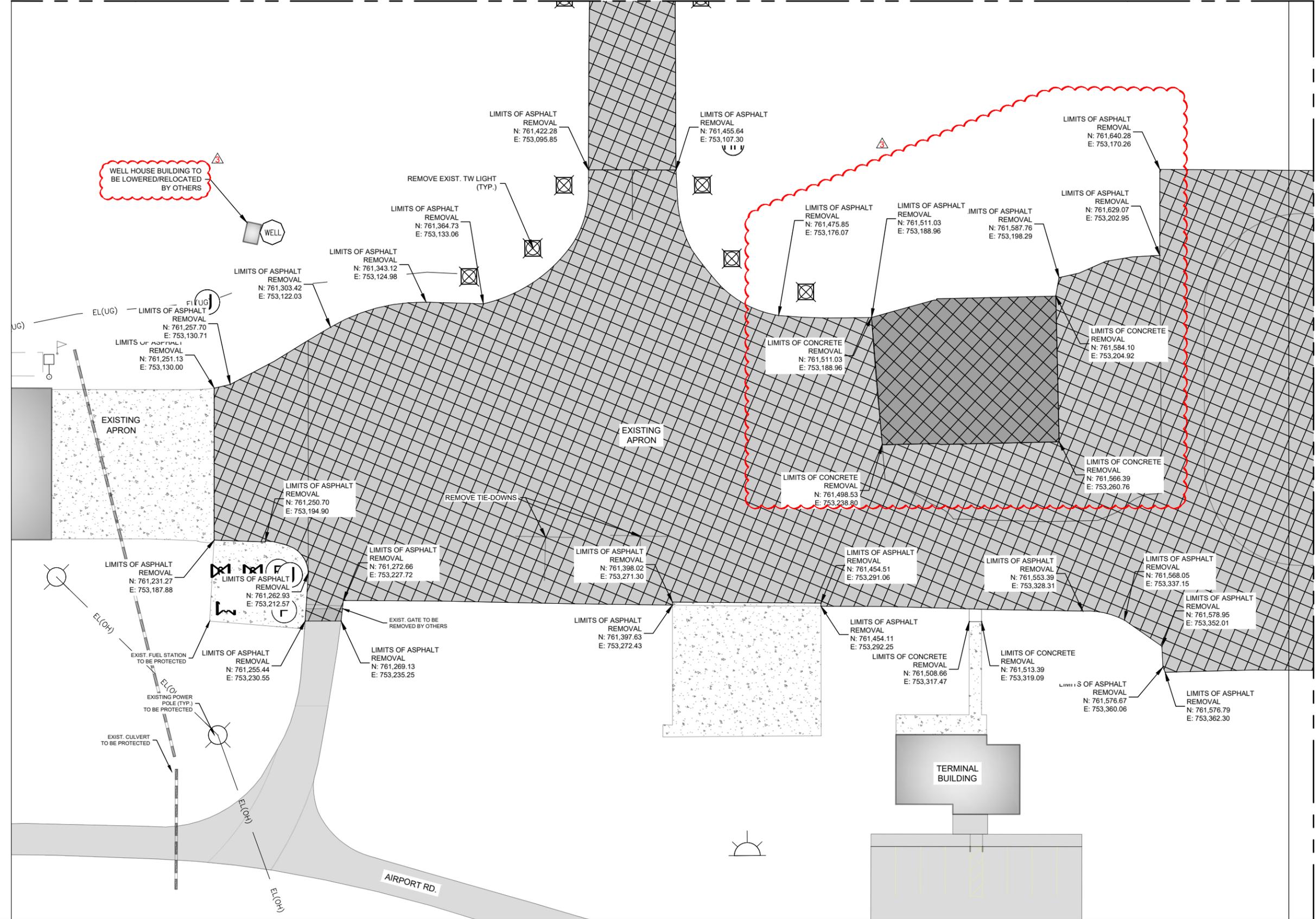
1. CONTRACTOR TO REMOVE ALL EXISTING VEGETATION AND LANDSCAPING (TREES, BUSHES, BOULDERS, ROCKBEDS, ETC.) LOCATED WITHIN PROJECT LIMITS, REGARDLESS OF WHERE THE ITEM IS SHOWN ON THE PLANS. CONTRACTOR SHALL THOROUGHLY INSPECT SITE PRIOR TO BID TO DETERMINE THE EXTENTS OF THE EXISTING VEGETATION AND LANDSCAPING. REMOVAL SHALL BE INCIDENTAL TO THE BID ITEMS.
2. AT THE ENGINEER'S DIRECTION, ANY MATERIAL DESIRED BY THE AIRPORT TO SALVAGE SHALL BE NEATLY STACKED ON PALLETS, SECURED, AND STORED IN A LOCATION DETERMINED BY THE AIRPORT. ALL COSTS TO SALVAGE AND STORE MATERIALS SHALL BE INCIDENTAL TO THE RESPECTIVE DEMOLITION BID ITEM.
3. ALL PAVEMENT TO BE SAW CUT PRIOR TO FULL DEPTH REMOVAL.
4. PAVEMENT REMOVAL SHALL BE MEASURED AND PAID TO NEAT LINE DIMENSIONING.
5. ALL MILLINGS AND RUBBLE MATERIAL SHALL BE PLACED AND ROLLED TO ON-SITE LOCATIONS DETERMINED BY THE CONTRACTOR OR PLACED IN FILL AREAS PER APPROVAL OF ENGINEER.
6. FULL DEPTH CONCRETE OR ASPHALT PAVEMENT REMOVAL INCLUDES THE REMOVAL OF ANY UNDERLYING ASPHALT AND/OR CONCRETE PAVEMENT, BASE AND SUBBASE LAYERS, GEOTEXTILE FABRIC, AND ANY STABILIZED SUBGRADES.



ISSUED FOR BID

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NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



MATCHLINE STA. 9+25 - SEE SHEET C113

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S:\C24-060A-1\plan\DWG\C24-060A-1-C100-DEM.DWG



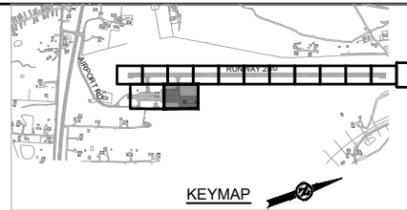
ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	L.K.K.	05/28/24	ISSUED FOR BID	
2	L.K.K.	06/06/2024	ADDENDUM NO. 1	
3	L.K.K.	06/17/2024	ADDENDUM NO. 2	

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

DEMOLITION PLAN		SHEET NAME
STA. 4+00 TO 9+25		C112
RUNWAY 2/20		SHEET NO.
		37 of 145
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274	

MATCHLINE - SEE SHEET C102

MATCHLINE - SEE SHEET C103

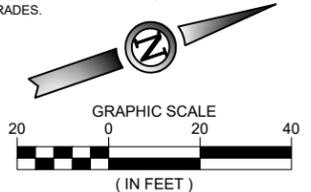


DEMOLITION LEGEND

- FULL DEPTH ASPHALT REMOVAL (3" APPROXIMATE DEPTH)
- PARTIAL DEPTH ASPHALT REMOVAL (1.5" NOMINAL DEPTH)
- CLEARING AND GRUBBING
- BUILDING FOUNDATION REMOVAL
- LIMITS OF TREE REMOVAL
- ITEM REMOVAL

GENERAL DEMOLITION NOTES

1. CONTRACTOR TO REMOVE ALL EXISTING VEGETATION AND LANDSCAPING (TREES, BUSHES, BOULDERS, ROCKBEDS, ETC.) LOCATED WITHIN PROJECT LIMITS, REGARDLESS OF WHERE THE ITEM IS SHOWN ON THE PLANS. CONTRACTOR SHALL THOROUGHLY INSPECT SITE PRIOR TO BID TO DETERMINE THE EXTENTS OF THE EXISTING VEGETATION AND LANDSCAPING. REMOVAL SHALL BE INCIDENTAL TO THE BID ITEMS.
2. AT THE ENGINEER'S DIRECTION, ANY MATERIAL DESIRED BY THE AIRPORT TO SALVAGED SHALL BE NEATLY STACKED ON PALLETS, SECURED, AND STORED IN A LOCATION DETERMINED BY THE AIRPORT. ALL COSTS TO SALVAGE AND STORE MATERIALS SHALL BE INCIDENTAL TO THE RESPECTIVE DEMOLITION BID ITEM.
3. ALL PAVEMENT TO BE SAW CUT PRIOR TO FULL DEPTH REMOVAL.
4. PAVEMENT REMOVAL SHALL BE MEASURED AND PAID TO NEAT LINE DIMENSIONING.
5. ALL MILLINGS AND RUBBLE MATERIAL SHALL BE PLACED AND ROLLED TO ON-SITE LOCATIONS DETERMINED BY THE CONTRACTOR OR PLACED IN FILL AREAS PER APPROVAL OF ENGINEER.
6. FULL DEPTH CONCRETE OR ASPHALT PAVEMENT REMOVAL INCLUDES THE REMOVAL OF ANY UNDERLYING ASPHALT AND/OR CONCRETE PAVEMENT, BASE AND SUBBASE LAYERS, GEOTEXTILE FABRIC, AND ANY STABILIZED SUBGRADES.



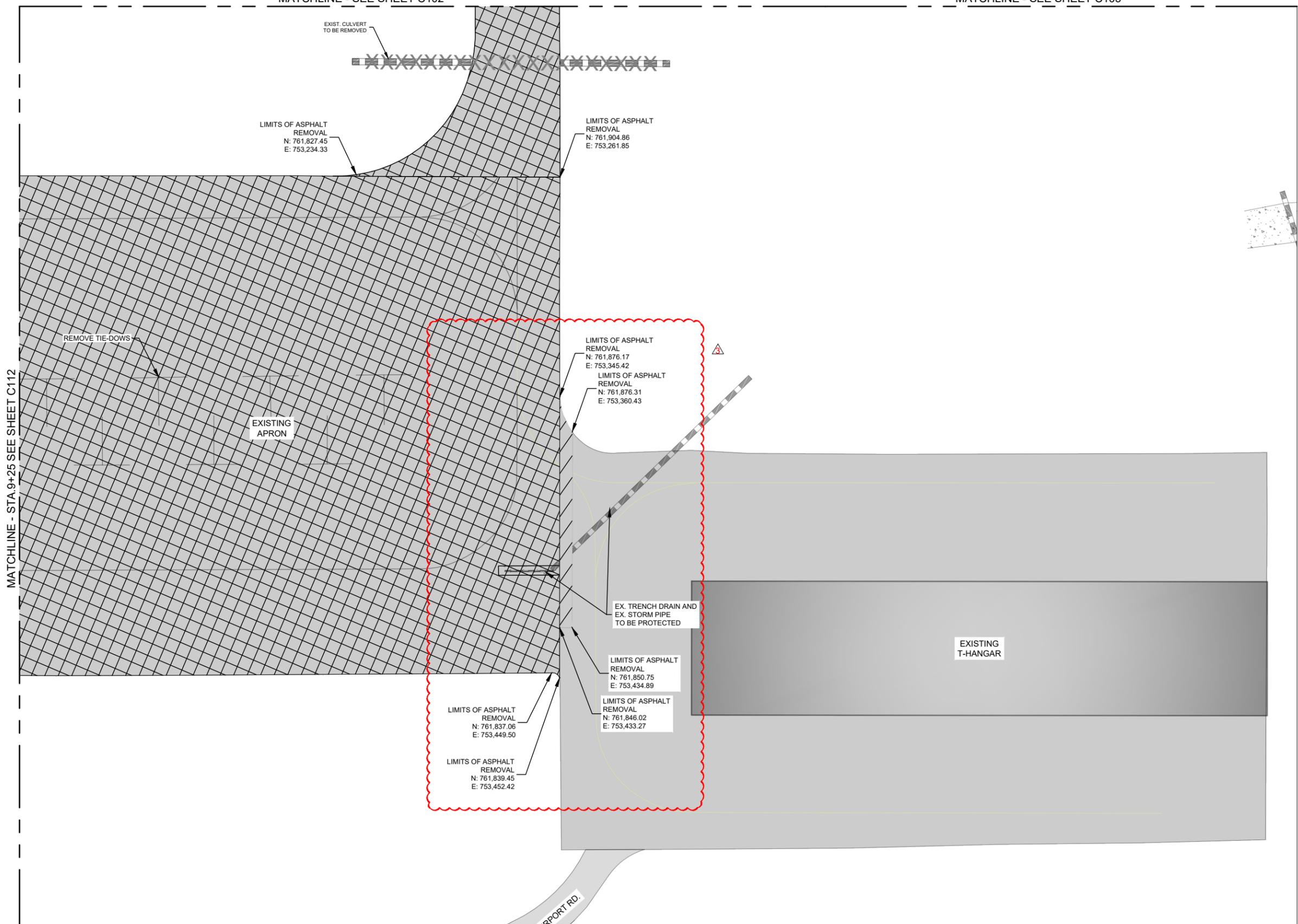
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NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

MATCHLINE - STA.9+25 SEE SHEET C112



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ISSUE RECORD				
DES: N.B.B.	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/06/2024	ADDENDUM NO. 1
APP: L.K.K.	3	L.K.K.	06/17/2024	ADDENDUM NO. 2

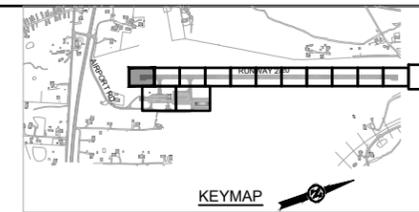
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

**DEMOLITION PLAN
STA. 9+25 TO 14+50
RUNWAY 2/20**

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
WOOLPERT PROJ. NO. 1015274

SHEET NAME
C113

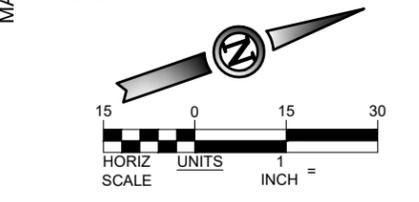
SHEET NO.
38 of 145



GEOMETRY LEGEND

	ASPHALT INSTALLATION (RUNWAY) (4" APPROXIMATE DEPTH)
	ASPHALT INSTALLATION (APRON) (4" APPROXIMATE DEPTH)
	PROPOSED PARTIAL DEPTH ASPHALT PAVEMENT
	PROPOSED GRAVEL INSTALLATION
	PROPOSED CONCRETE CHANNEL
	AIRCRAFT TIE DOWN

- GEOMETRY NOTES**
- CONTRACTOR TO USE SURVEY CONTROL POINTS AS SHOWN ON SHEET G006 SURVEY CONTROL LAYOUT.
 - ALL LINE AND CURVE CALLOUTS ARE AT EDGE OF ASPHALT UNLESS OTHERWISE NOTED.
 - THE GEOMETRY SHOWN ON THESE SHEETS REPRESENT THEORETICAL PAVEMENT EDGES FOR RUNWAY AND TAXIWAYS BASED ON ADVISORY CIRCULAR FOR AIRPORT DESIGN. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL MILL AND OVERLAY TO THE EXISTING ASPHALT PAVEMENT EDGES.
 - SEE SHEETS G050 THRU G056 FOR CONSTRUCTION PHASING.
 - SEE SHEETS C500 THRU C520 FOR UNDERDRAIN INFORMATION AND SHEETS C550 & C551 FOR UNDERDRAIN DETAILS.
 - SEE SHEET C220 FOR TYPICAL PAVEMENT SECTIONS.
 - SEE SHEETS C700 THRU C720 FOR PAVEMENT MARKING INFORMATION.
 - ANY PAVEMENT DAMAGE DURING CONSTRUCTION OUTSIDE THE PROPOSED PROJECT REMOVAL LIMITS SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH RECONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES.

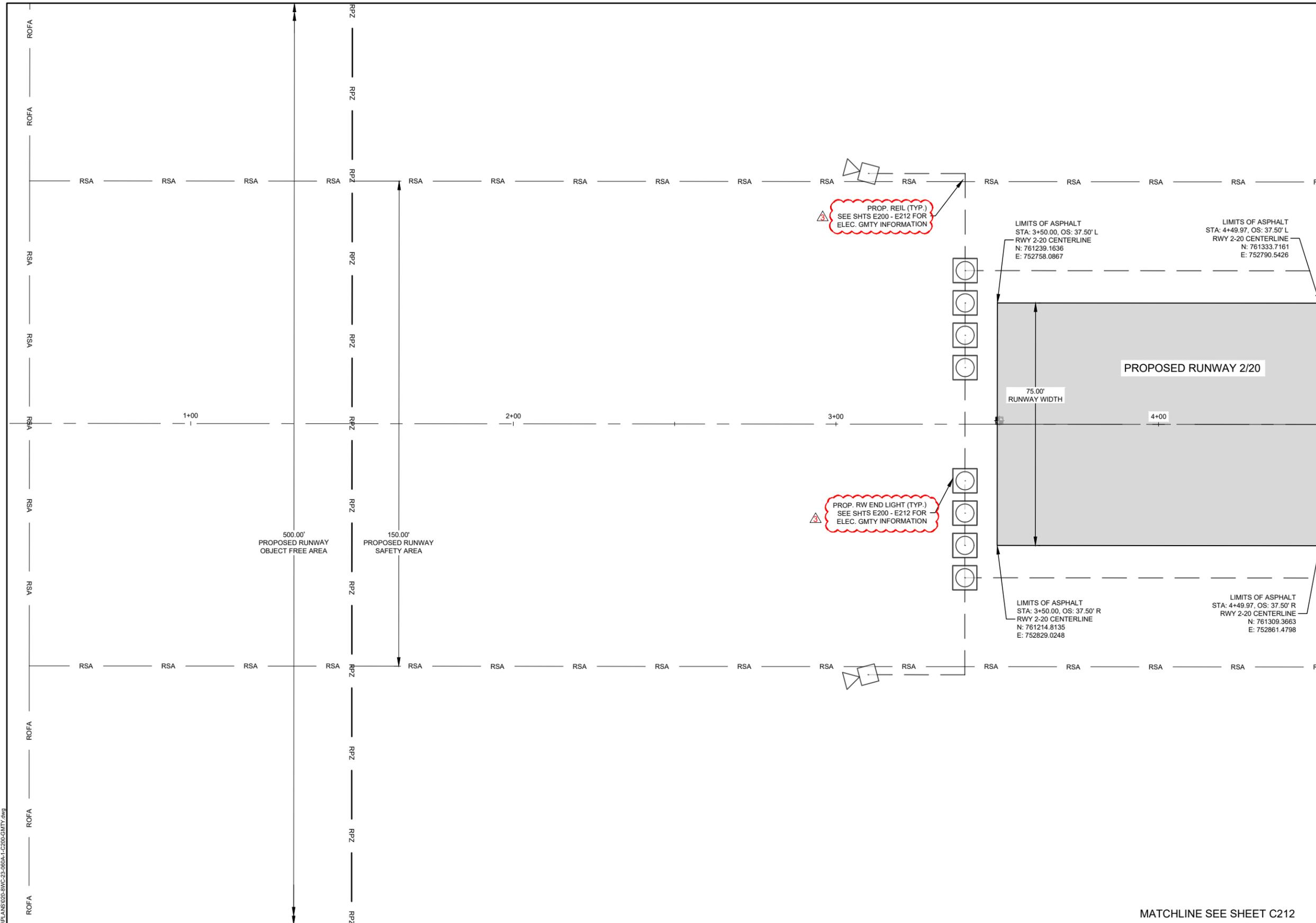


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NAME	REG. NO.	DATE

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DES: N.B.B.	ISSUE RECORD			
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DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

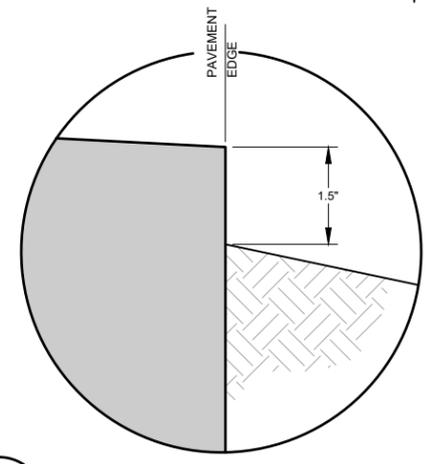
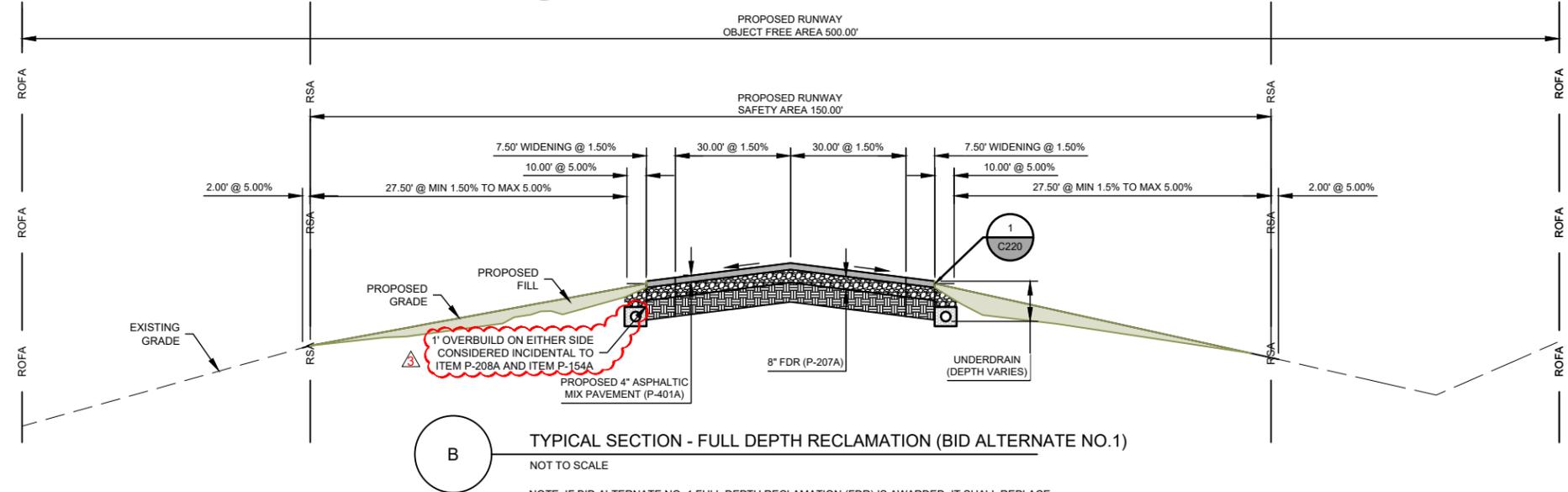
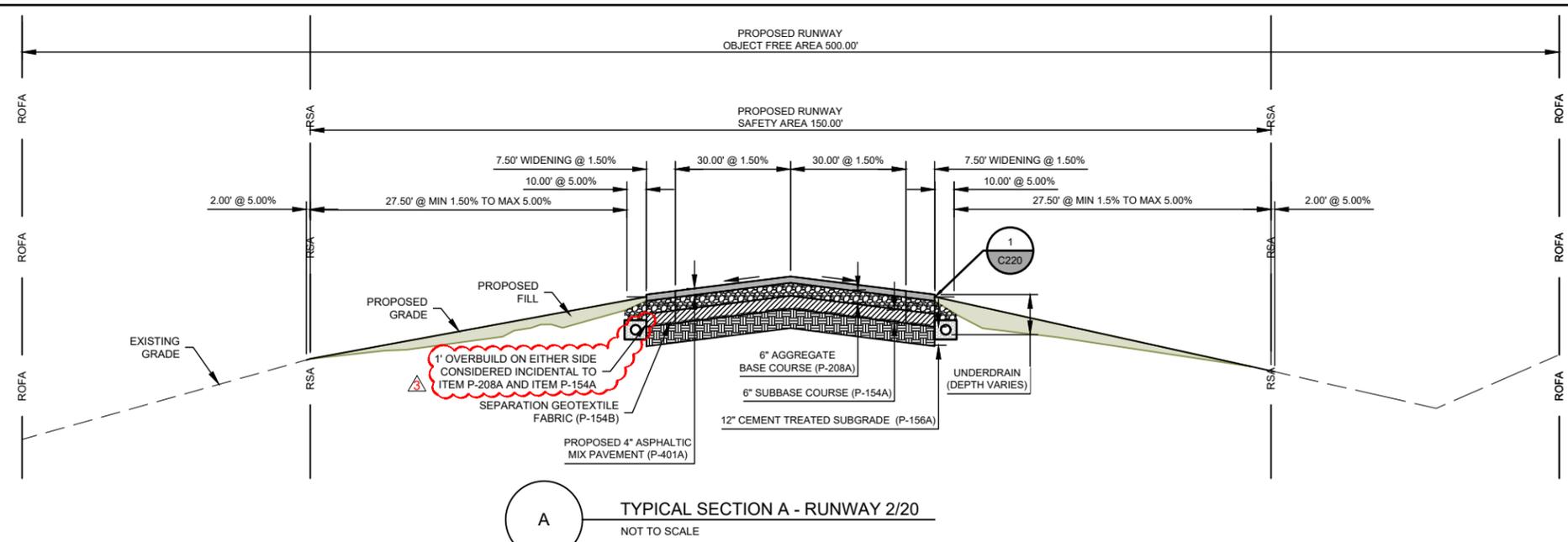
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

GEOMETRY PLAN
 STA. 0+50 TO 4+50
 RUNWAY 2/20

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
 WOOLPERT PROJ. NO. 1015274

SHEET NAME
C200

SHEET NO.
40 of 145



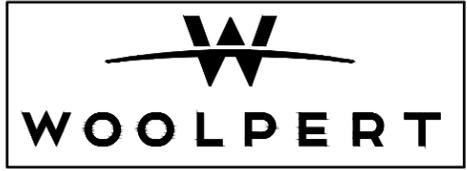
ISSUED FOR BID

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LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

Plotted June 17, 2024 @ 5:05 PM by: Bernini, Violet
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DES: N.B.B.	ISSUE RECORD			
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DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2
APP: L.K.K.				

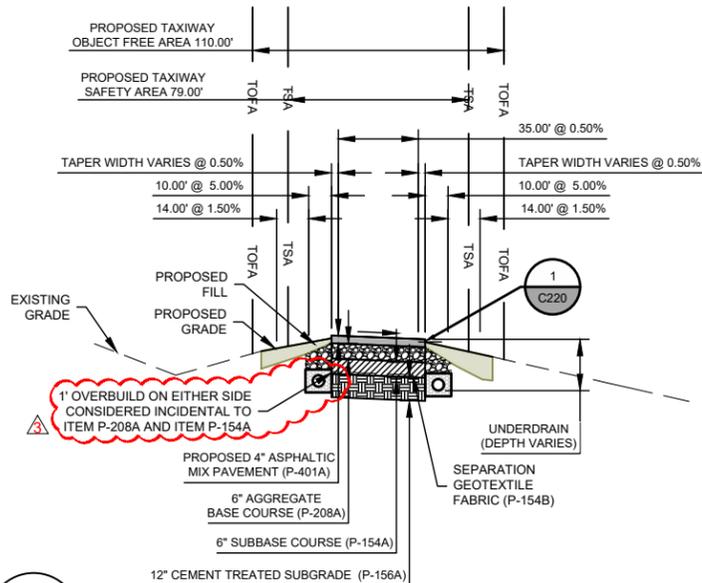
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

PAVEMENT TYPICAL SECTIONS

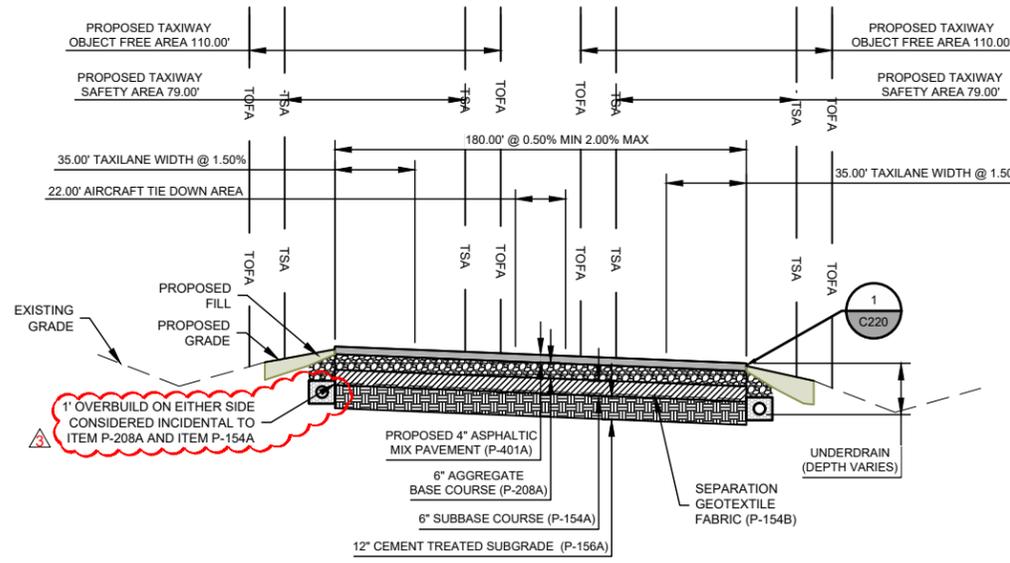
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
 WOOLPERT PROJ. NO. 1015274

SHEET NAME
C220

SHEET NO.
54 of 145



C TYPICAL SECTION - TAXIWAY A AND B
NOT TO SCALE



D TYPICAL SECTION - APRON
NOT TO SCALE

ISSUED FOR BID

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LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



DES: N.B.B.	ISSUE RECORD			
	NO.	BY	DATE	DESCRIPTION
DR: V.S.B.	1	L.K.K.	05/28/24	ISSUED FOR BID
CH: C.L.G.	2	L.K.K.	06/11/2024	ADDENDUM NO. 1
APP: L.K.K.	3	L.K.K.	06/17/2024	ADDENDUM NO. 2

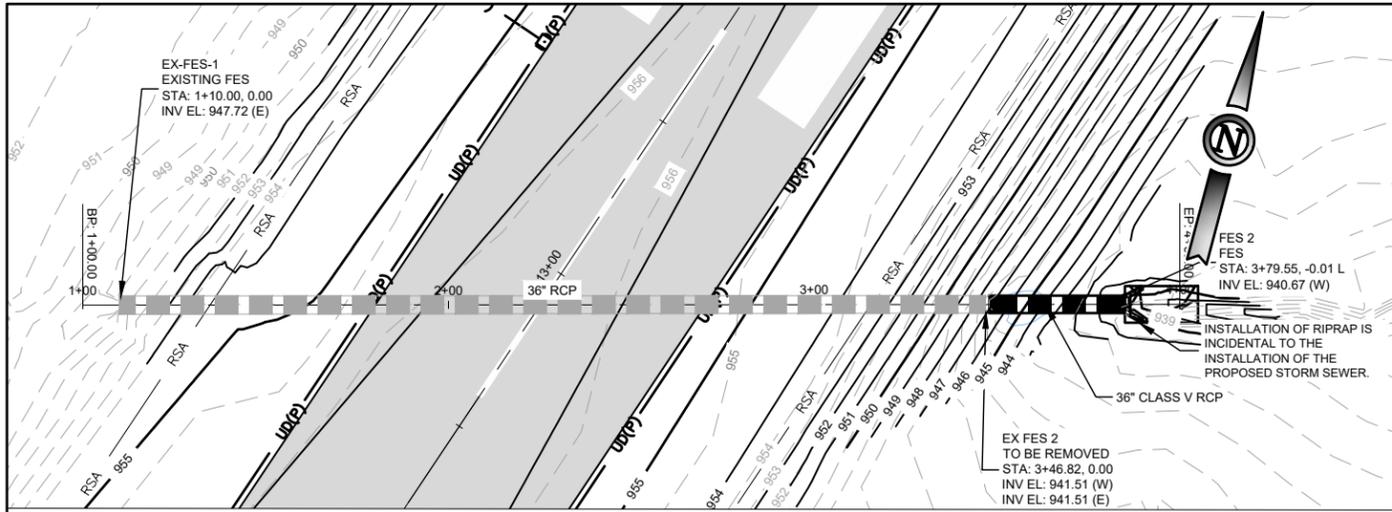
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

PAVEMENT TYPICAL SECTIONS

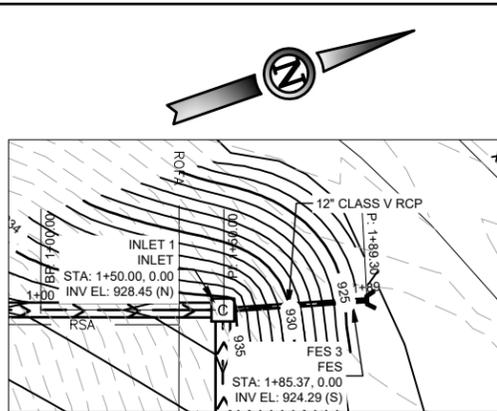
MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274
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SHEET NAME
C221
SHEET NO.
55 of 145

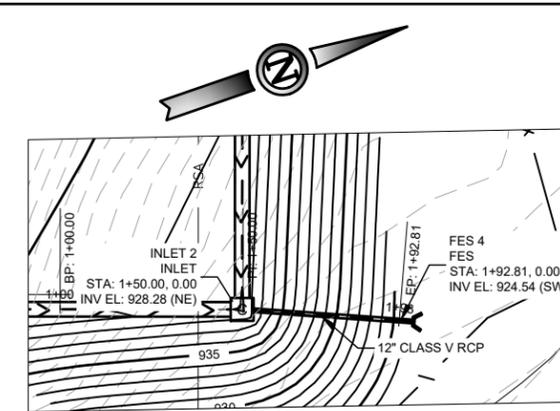
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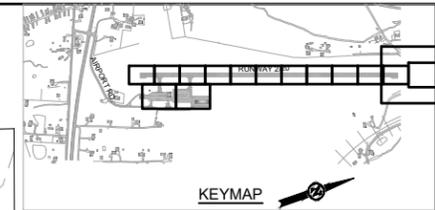
STORM LINE 1



STORM LINE 2



STORM LINE 3



STORM LEGEND

- ASPHALT INSTALLATION (4" APPROXIMATE DEPTH)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SWALE FLOW LINE
- STORM PIPE
- TRENCH DRAIN
- RIPRAP PAD
- STORM INLET
- STORM MANHOLE
- FLARED END SECTION

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION

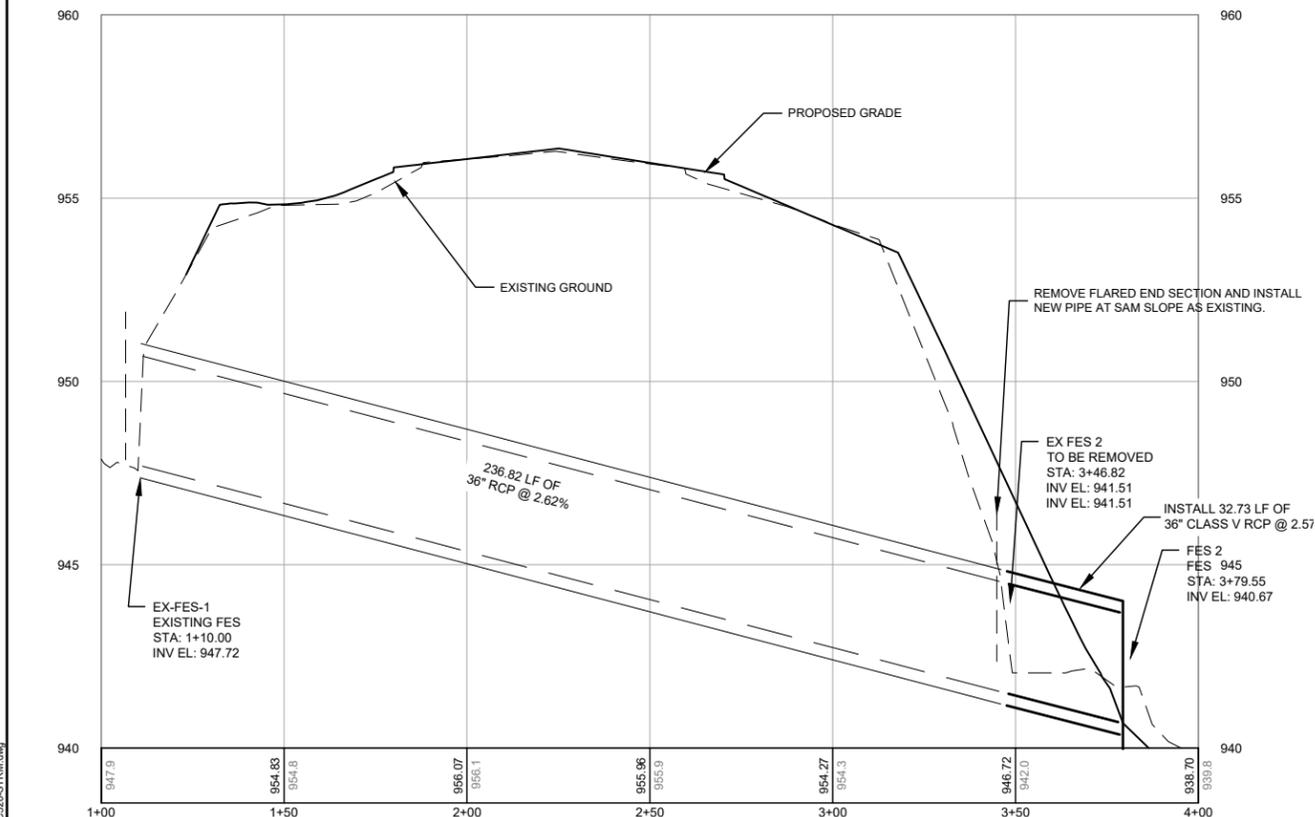
STORM PLAN AND PROFILE NOTES

1. REFER TO SHEET C220 FOR TYPICAL SECTIONS.
2. REFER TO SHEET C300 - C315 FOR SPOT ELEVATIONS.
3. THE DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND WERE DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
4. IN THE EVENT OF ANY CONFLICT WITHIN THESE PLANS, THE INFORMATION IN THE PROFILES SHALL GOVERN OVER THE SPOT ELEVATIONS AND CROSS SECTIONS.
5. CONTRACTOR TO VERIFY EXISTING TIE/CONNECTION POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

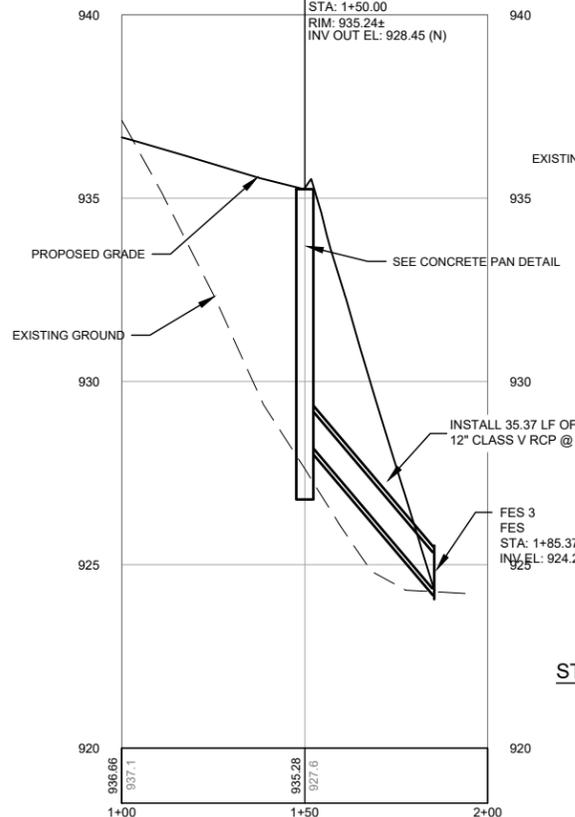
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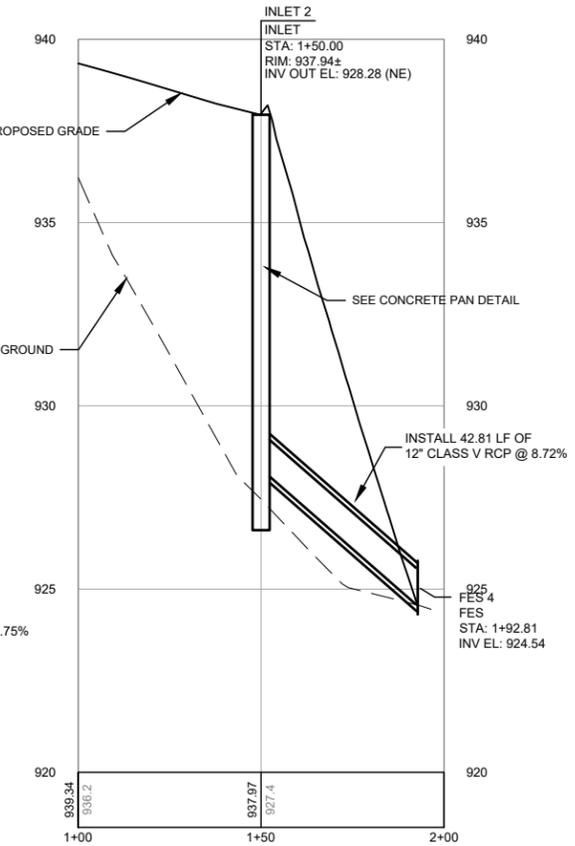
Laura K. Koonce	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		



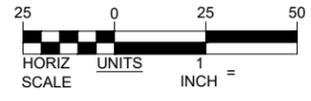
STORM LINE 1 PROFILE SCALE HORZ: 1"=50', VERT: 1"=5'



STORM LINE 2 PROFILE SCALE HORZ: 1"=50', VERT: 1"=5'



STORM LINE 3 PROFILE SCALE HORZ: 1"=50', VERT: 1"=5'



ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	L.K.K.	05/28/24	ISSUED FOR BID	
2	L.K.K.	06/17/2024	ADDENDUM NO. 2	

RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

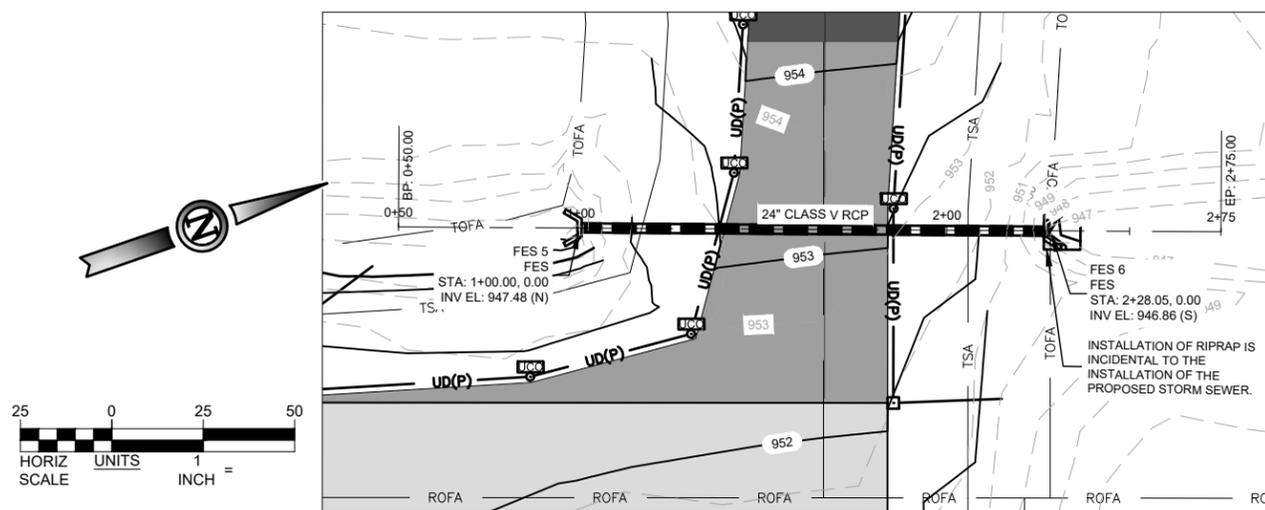
STORM PLAN AND PROFILES

SHEET NAME
C520
SHEET NO.
92 of 145

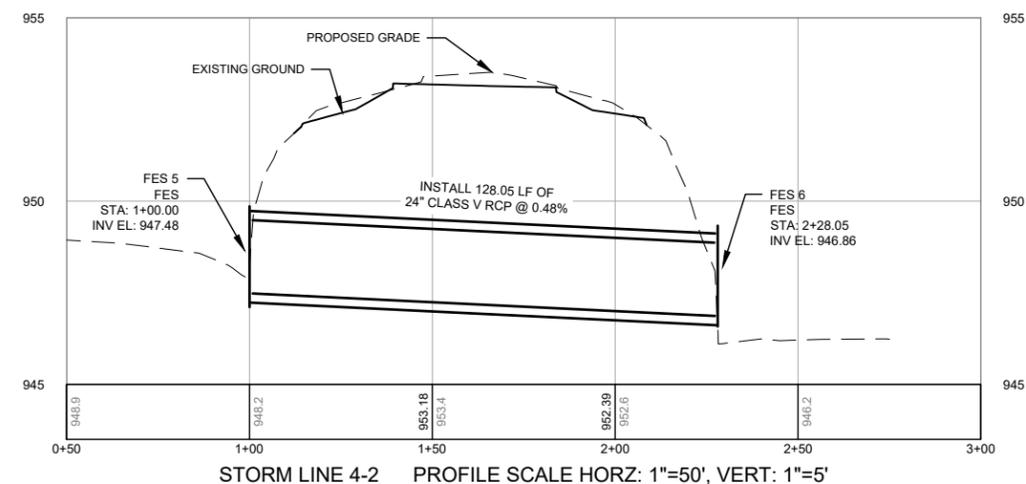
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NOTES

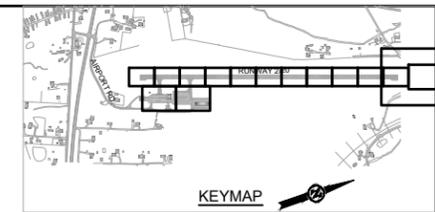
1. PRIOR TO CONSTRUCTION OR PRECAST OF DRAINAGE STRUCTURES, CONTRACTOR SHALL VERIFY EXISTING UTILITY LOCATIONS, DEPTHS, AND SIZES FOR ENTIRE PROPOSED UTILITY ALIGNMENT.
2. ALL REQUIRED UTILITY ADJUSTMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR WILL VERIFY ANY UTILITY DEVICES CONFLICTING WITH PROPOSED IMPROVEMENTS AND VERIFY WITH THE FIELD ENGINEER FOR PROPER ADJUSTMENTS REQUIRED.
3. ALL STATIONING FOR STORM PIPE IS AT CENTERLINE OF STORM PIPE.
4. STATION AND OFFSETS FOR DRAINAGE STRUCTURES ARE TO THE CENTER OF THE STRUCTURE, EXCEPT FOR CURB INLETS WHICH ARE TO THE CENTER AT THE FLOWLINE.
5. SEE SHEET C560 FOR DETAILS SHOWING HOW INLET STRUCTURES ARE STATIONED HORIZONTALLY AND VERTICALLY.
6. DISTANCE IS MEASURED FROM CENTER TO CENTER OF STRUCTURE.
7. SLOPES ARE CALCULATED FROM CENTER TO CENTER OF STRUCTURE.
8. INSTALL STORM INLET PER CITY OF GRAND JUNCTION PUBLIC WORKS "LARGE AREA INLET" DETAIL PAGE D-10.
9. WHEN INSTALLING NEW STORM PIPE UNDER EXISTING PAVEMENT, CONTRACTOR SHALL SAW CUT EXISTING ASPHALT TO LIMITS DETERMINED BY THE CONTRACTOR. AFTER INSTALLATION OF STORM PIPE AND BACKFILL, CONTRACTOR SHALL REPAIR AREA REMOVED FOR STORM DRAIN INSTALLATION WITH P-401. ALL COSTS ASSOCIATED WITH SAW CUTTING, PAVEMENT DEMO, TIES TO EXISTING STRUCTURES AND REPLACING ASPHALT SHALL BE INCIDENTAL TO P-701.



STORM LINE 4



STORM LINE 4-2 PROFILE SCALE HORIZ: 1"=50', VERT: 1"=5'



STORM LEGEND

- ASPHALT INSTALLATION (4" APPROXIMATE DEPTH)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- SWALE FLOW LINE
- STORM PIPE
- TRENCH DRAIN
- RIPRAP PAD
- STORM INLET
- STORM MANHOLE
- FLARED END SECTION

PROFILE LEGEND

- PROPOSED GRADE
- EXISTING GROUND
- PROFILE BAND
- EXISTING ELEVATION
- PROPOSED ELEVATION

STORM PLAN AND PROFILE NOTES

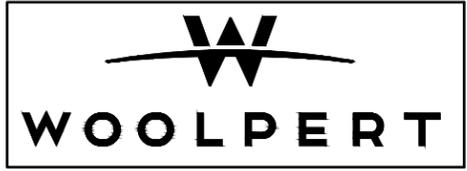
1. REFER TO SHEET C220 FOR TYPICAL SECTIONS.
2. REFER TO SHEET C300 - C315 FOR SPOT ELEVATIONS.
3. THE DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND WERE DETERMINED ASSUMING A BURIAL DEPTH OF 2'-0". ACTUAL DEPTHS MAY VARY AND SHOULD BE FIELD VERIFIED.
4. IN THE EVENT OF ANY CONFLICT WITHIN THESE PLANS, THE INFORMATION IN THE PROFILES SHALL GOVERN OVER THE SPOT ELEVATIONS AND CROSS SECTIONS.
5. CONTRACTOR TO VERIFY EXISTING TIE/CONNECTION POINTS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

ISSUED FOR BID

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LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE
FOR AND ON BEHALF OF WOOLPERT		

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 S:\C24-260a-1\apron_reconstruction\CADD\ANSI\24-060A-1-C520-51.dwg



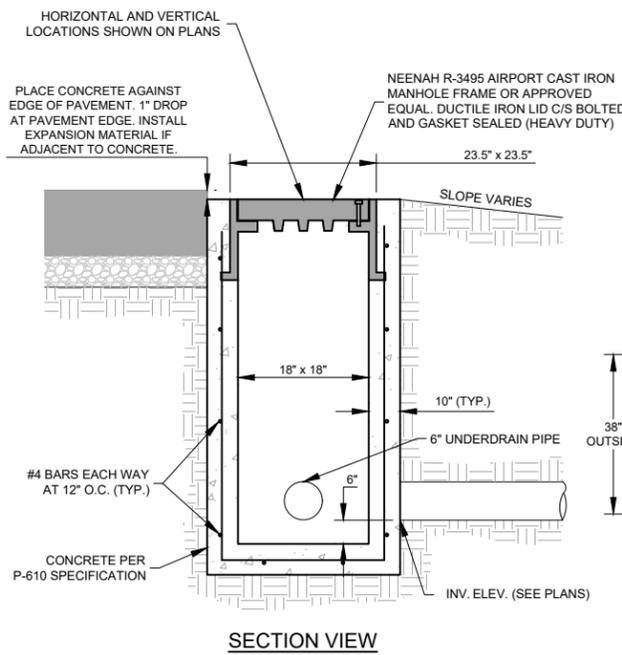
ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	L.K.K.	05/28/24	ISSUED FOR BID	
2	L.K.K.	06/17/2024	ADDENDUM NO. 2	

**RUNWAY 2/20 RECONSTRUCTION
 & WIDENING AND APRON
 RECONSTRUCTION**

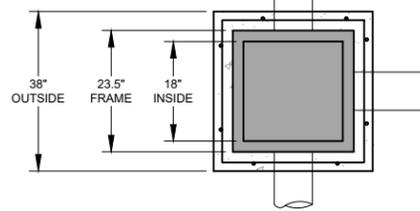
**STORM
 PLAN AND PROFILES**

SHEET NAME
 C521
SHEET NO.
 93 of 145

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274
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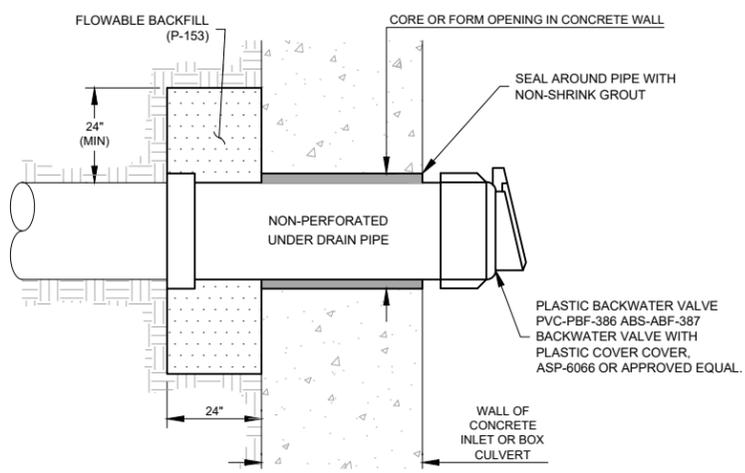


SECTION VIEW

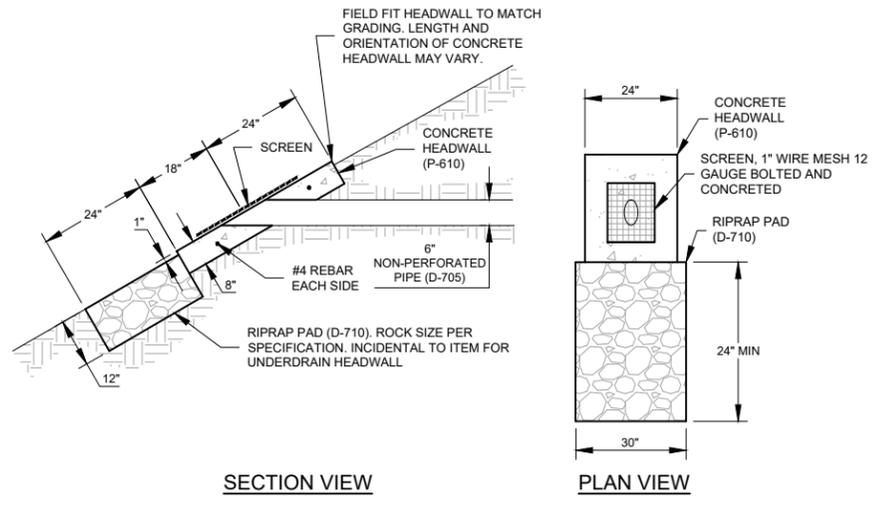


PLAN VIEW

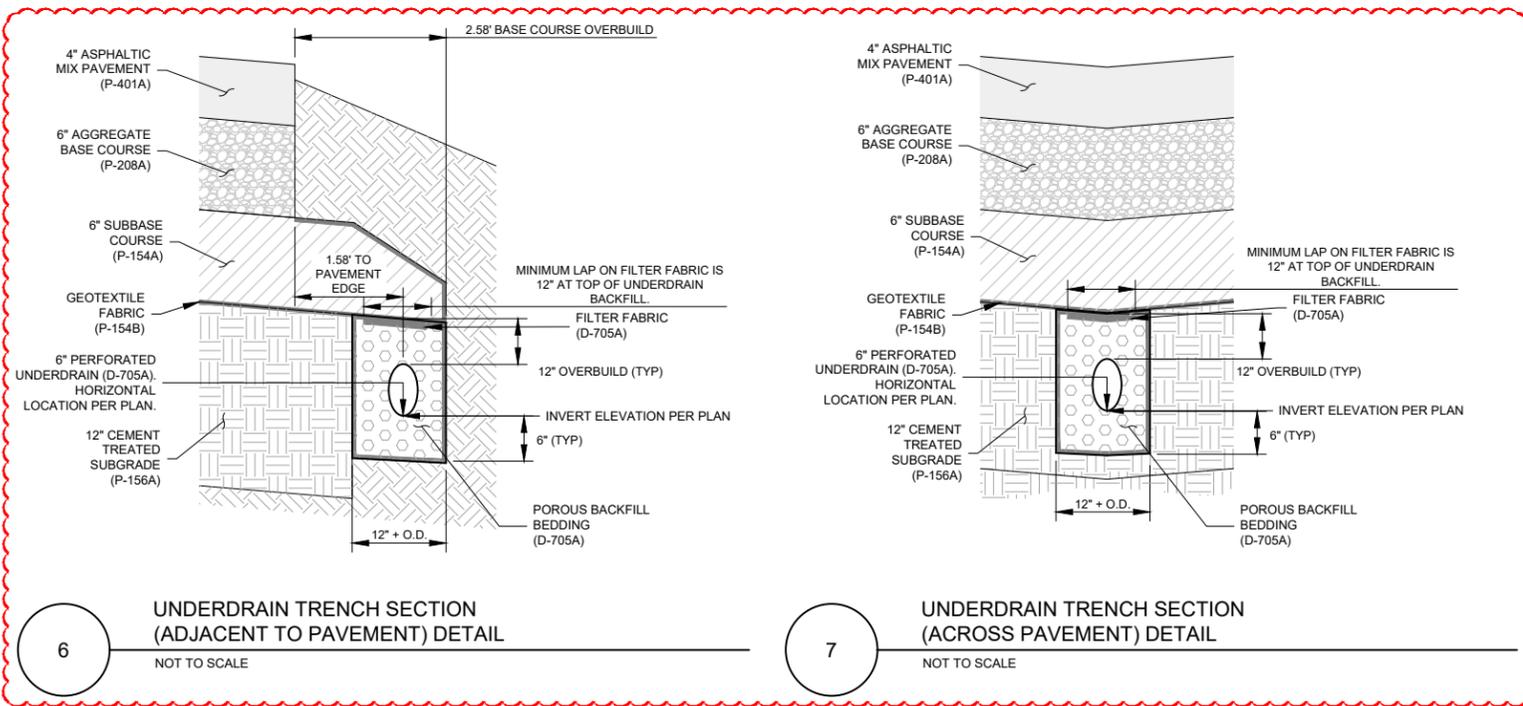
3 UNDERDRAIN INSPECTION PIT (IN TURF) DETAIL
NOT TO SCALE



4 UNDERDRAIN OUTFALL TO STRUCTURE DETAIL
NOT TO SCALE

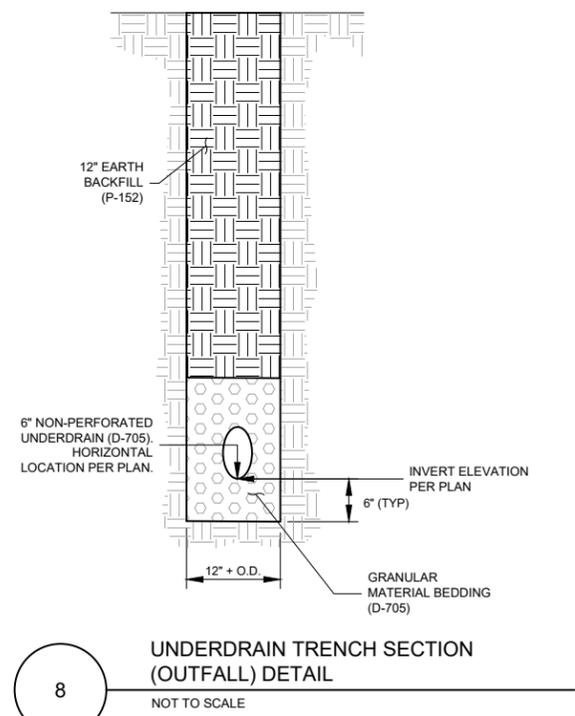


5 UNDERDRAIN OUTFALL HEADWALL DETAIL
NOT TO SCALE



6 UNDERDRAIN TRENCH SECTION (ADJACENT TO PAVEMENT) DETAIL
NOT TO SCALE

7 UNDERDRAIN TRENCH SECTION (ACROSS PAVEMENT) DETAIL
NOT TO SCALE



8 UNDERDRAIN TRENCH SECTION (OUTFALL) DETAIL
NOT TO SCALE

ISSUED FOR BID

THESE DRAWINGS ARE FOR PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

Plotted June 17, 2024 @ 5:05 PM by: Brian, Nicole
 S:\WC\24-060A-1 - Apron Reconstruction\DWG\PLANS\05-UNDERDRAIN\05-UNDERDRAIN.DWG



ISSUE RECORD				
NO.	BY	DATE	DESCRIPTION	
1	L.K.K.	05/28/24	ISSUED FOR BID	
2	L.K.K.	06/17/2024	ADDENDUM NO. 2	

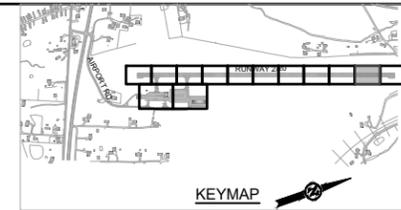
RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION

UNDERDRAIN DETAILS

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2
 WOOLPERT PROJ. NO. 1015274

SHEET NAME
C551

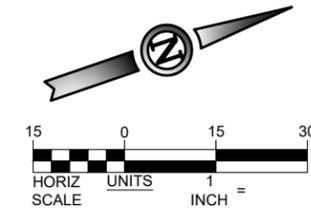
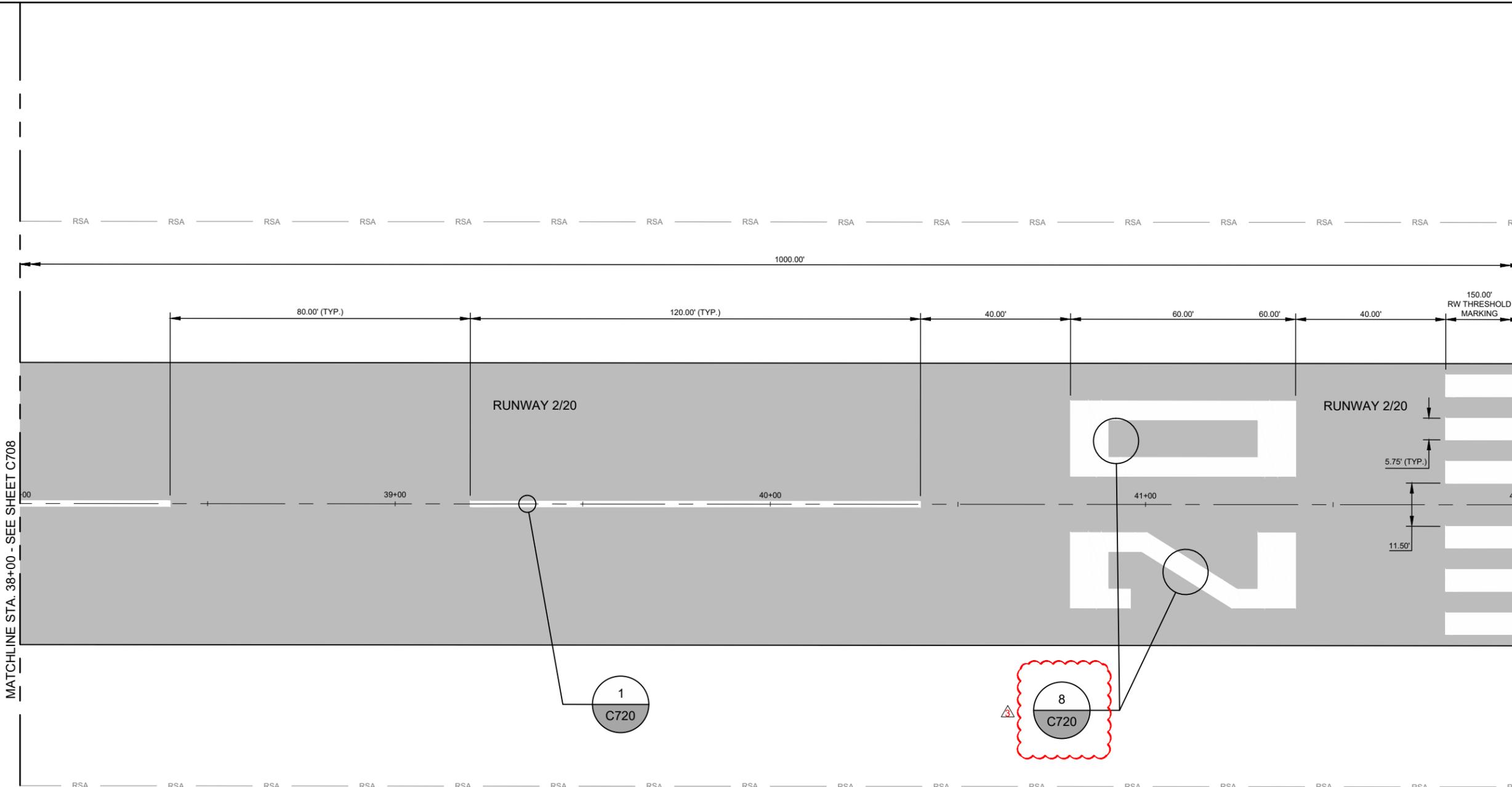
SHEET NO.
95 of 145



AIRSIDE PAINT MARKINGS LEGEND	
EXIST.	ASPHALT
EXIST.	EXISTING PAINT
PROPOSED	PROPOSED YELLOW PAINT
PROPOSED	PROPOSED WHITE PAINT
PROPOSED	PROPOSED BLACK PAINT

GENERAL MARKING NOTES

- SEE SHEET C720 FOR PAVEMENT MARKING DETAILS AND GENERAL MARKING NOTES.



ISSUED FOR BID

THESE DRAWINGS ARE FOR PURPOSES ONLY. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:

LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

Plotted June 17, 2024 @ 3:21 PM by: Bernell, Violet
 S:\C24-060A-1\apron reconstruction\CAD\PLANS\070-8WC-23-060A-1-C701-PAINT.dwg

		DES: N.B.B.	ISSUE RECORD				RUNWAY 2/20 RECONSTRUCTION & WIDENING AND APRON RECONSTRUCTION	PAVEMENT MARKING PLAN STA. 38+00 TO 42+00 RUNWAY 2/20	SHEET NAME C709
		DR: V.S.B.	NO.	BY	DATE	DESCRIPTION			
		CH: C.L.G.	1	L.K.K.	05/28/24	ISSUED FOR BID			
		APP: L.K.K.	2	L.K.K.	06/17/2024	ADDENDUM NO. 2			

MoDOT PROJ. NO. 24-060A-1 & 24-060A-2	WOOLPERT PROJ. NO. 1015274
--	-------------------------------



WASHINGTON COUNTY AIRPORT

MoDOT PROJECT NO. 24-060A-2

DATE: June 12, 2024

TIME: 10:00 A.M.

LOCATION: 12225 East State Highway 8, Mineral Point, MO 63660, Terminal Building
Conference Room

PRE-BID CONFERENCE [MINUTES](#)

1. RECORDING OF ATTENDEES

- A. Recording of attendees, firm represented, address, phone number and email.

2. INTRODUCTIONS & PROJECT DESCRIPTION

A. Sponsor Representatives

- Danny Wilson – Airport Manager 573.438.3582 (o)
- Sam Rhodes – Airport Board Chairman 314.225.9605 (c)
- Jeanette Allen – County Clerk 573.438.6111 x7704 (o)

B. Airport Engineering – Woolpert, Inc.

- Laura Koonce – Project Manager 573.658.9477 (o)
- Joe Pestka – Project Director 573.658.9475 (o)

C. MoDOT Aviation

- Millicent Parker – Aviation Construction Inspector 573.751.7477 (o)

D. Project Schedule (Total 125 Calendar Days)

- Schedule I – Runway 2/20 Reconstruction
 - Existing 60' Wide Runway footprint
- Schedule II – Runway 2/20 Widening and Taxiway Reconstruction
 - 15' Wide widening and safety area grading
- Schedule III – Apron Reconstruction
 - Taxiways are split between Apron and Runway Widening
- Schedule IV – Runway Lighting Rehabilitation
- Schedule V – Runway Guidance Signs
- Bid Alternate No. 1 – Full Depth Reclamation

E. Work Items – FAA Specifications

Item No.	Item Description	Unit	Sch. I	Sch. II	Sch. III	Sch. IV	Sch. V	Bid Alt. 1
C-100a	Contractor Quality Control Program (CQCP)	LS	1	1	1	1	0	1
C-102a	Erosion Control	LS	1	1	1	0	0	1
C-105a	Mobilization	LS	1	1	1	1	1	1
P-101a	Asphalt Pavement Removal, Full Depth	SY	27,370	1,630	11,670	0	0	27,370
P-101b	Asphalt Pavement Removal, Partial Depth	SY	0	0	30	0	0	0
P-101c	Concrete Pavement & Building Foundation Removal, Full Depth	SY	0	0	390	0	0	0
P-101d	Remove Existing 24-Inch Reinforced Concrete Pipe and Flared End Sections	LF	0	0	132	0	0	0
P-101e	Remove Existing 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	1	0	0	0	0	1
P-101f	Remove Existing Barbed Wire Fence, Complete	LF	240	0	0	0	0	240
P-101g	Remove Aircraft Tie-Down Anchors, Complete	EA	0	0	21	0	0	0
P-151a	Tree Removal	AC	2	0	0	0	0	2
P-152a	Unclassified Excavation	CY	16,000	40,000	8,600	0	0	16,000
P-154a	Subbase Course	CY	9,070	2,920	4,720	0	0	0
P-154b	Separation Geotextile	SY	27,200	8,740	14,160	0	0	0
P-156a	Cement Treated Subgrade	SY	27,200	8,740	14,160	0	0	0
P-156b	Cement	TON	1,060	350	560	0	0	0
P-207a	Asphalt Pavement Full Depth Reclamation (FDR), Trimming, & Grading	SY	0	0	0	0	0	27,210
P-207b	Cement	TON	0	0	0	0	0	710
P-207c	Emulsified Asphalt	TON	0	0	0	0	0	330
P-208a	Aggregate Base Course	CY	6,230	2,000	3,240	0	0	0
P-401a	Asphalt Paving Course	TON	6,820	1,960	3,510	0	0	6,820
P-603a	Emulsified Asphalt Tack Coat	GAL	4,200	1,210	2,170	0	0	4,200
P-620a	Temporary Pavement Marking	SF	19,560	3,970	1,170	0	0	19,560
P-620b	Permanent Pavement Marking, White	SF	19,130	3,630	0	0	0	19,130
P-620c	Permanent Pavement Marking, Yellow	SF	440	340	1,170	0	0	440
P-620d	Permanent Pavement Marking, Black	SF	0	700	0	0	0	0
P-640a	Install Aircraft Tie-Down Anchor	EA	0	0	27	0	0	0
F-160a	Install Class B Fence (4-Strand Barb Wire, Wood Posts)	LF	270	0	0	0	0	270
F-161a	Item Description	LF	0	0	0	0	0	0
D-701a	Install 12-Inch Reinforced Concrete Pipe, Class V	LF	80	0	0	0	0	80
D-701b	Install 24-Inch Reinforced Concrete Pipe, Class V	LF	0	0	129	0	0	0
D-701c	Install 36-Inch Reinforced Concrete Pipe, Class V	LF	33	0	0	0	0	33
D-701d	Install 12-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	2	0	0	0	0	2
D-701e	Install 24-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	0	0	2	0	0	0
D-701f	Install 36-Inch Reinforced Concrete Pipe, Flared End Section (FES)	EA	1	0	0	0	0	1
D-705a	Install 6-Inch Perforated Polyethylene Pipe	LF	0	8,610	1,330	0	0	0
D-705b	Install 6-Inch Non-Perforated Polyethylene Pipe	LF	0	880	310	0	0	0
D-751a	Install 6-Inch Underdrain Cleanout	EA	0	29	15	0	0	0
D-751b	Install Inspection Pit	EA	0	16	9	0	0	0

Woolpert, Inc.
931 Wildwood Drive
Jefferson City, MO 65109-5719
573.636.3200

D-751c	Install Aircraft Rated Inlet	EA	0	2	0	0	0	0
D-754a	Construct 4-Foot Concrete Drain Pan, Complete	LF	290	0	0	0	0	290
T-901a	Seeding with Hydromulch	AC	17	0	2	0	0	17
T-901b	Seeding Under Erosion Control Blanket	AC	4	0	0	0	0	4
T-901c	Erosion Control Blanket	SY	17,650	0	0	0	0	17,650
L-108a	Install #8 AWG, L-824C, 5000V, Wire	LF	0	0	0	25,000	0	0
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	LF	0	0	0	11,500	0	0
L-110a	Install 1-2" SCH. 40 PVC Conduit (DEB)	LF	0	0	0	10,750	0	0
L-110b	Install 1-2" SCH. 40 PVC Conduit (CE)	LF	0	0	0	250	0	0
L-110c	Install 2-3" Spare SCH. 40 PVC Conduit (CE)	LF	0	0	0	300	0	0
L-115a	Remove L-867 Junction Box, Complete	EA	0	0	0	2	0	0
L-115b	Install L-867 Junction Box, Complete	EA	0	0	0	2	0	0
L-125a	Remove Runway Edge Light and Base, Complete	EA	0	42	0	0	0	0
L-125b	Remove Runway Threshold Light and Base, Complete	EA	0	16	0	0	0	0
L-125c	Remove Taxiway Edge Light and Base, Complete	EA	0	4	21	0	0	0
L-125d	Install new LED L-861 Runway Edge Light on New Base, Complete	EA	0	0	0	42	0	0
L-125e	Install New LED L-861E Runway Threshold Light on New Base, Complete	EA	0	0	0	16	0	0
L-125f	Install New LED L-861T Taxiway Edge Light on New Base, Complete	EA	0	0	0	28	0	0
L-125g	Install New L-858 Lighted Guidance Sign on New concrete Pad in Soil, Size 1, 2 Module, Complete	EA	0	0	0	0	3	0
L-125h	Install New L-858 Lighted Guidance Sign on New Concrete Pad in Soil, Size 1, 3 Module, Complete	EA	0	0	0	0	2	0
L-125i	Install L-881 LED PAPI System, Style A, on New Foundation, Complete	EA	0	0	0	2	0	0
L-125j	Install PAPI Power Frame on New Foundation, Complete	EA	0	0	0	2	0	0
L-125k	Install L-849 LED REIL System on New Foundation, Complete	EA	0	0	0	2	0	0
L-125l	Install New L-853 Stake Mounted Retroreflective Marker	EA	0	0	0	6	0	0
L-125m	Remove Existing Constant Current Regulator, and Connect Airfield Circuits to Spare Constant Current Regulator	LS	0	0	0	1	0	0
L-125n	Spare Parts for Airport Visual Aids (Unit Cost Fixed at \$10,000)	LS	0	0	0	1	0	0

3. BID OPENING

- A. Date: Monday, June 24, 2024, at 9:00 A.M. (CT)
- B. Location: County Courthouse
102 North Missouri Street
Potosi, Missouri 63664
- C. Bid Bond: 5% of bid amount – Section 2, Instructions to Bidders Paragraph 4 and Section 20-10 Bid Guaranty.
- D. Contract Proposal: Proposal Form starts on page B-1 through B-55
All pages B-1 through B-41 will need to be submitted with the bid.
[Make sure all pages are filled out \(Do not miss Contractor Qualifications\)](#)

Woolpert, Inc.
931 Wildwood Drive
Jefferson City, MO 65109-5719
573.636.3200

Prime Contractor to complete at least 50% of total contract cost
Make sure E-Verify is submitted as well.
Need to be in good standing with Secretary of State (SAM.gov)

- E. Award: Notice to Bidders, Section 1, Page 2 – lowest qualifying bidder – no split awards.
a. Different schedules may be awarded separately, but all awarded schedules will be to the same bidder.

4. DBE GOALS

The requirements of 49 CFR Part 26 apply to this contract. It is the policy of the County of Washington to practice nondiscrimination based on race, color, sex or national origin in the award or performance of this contract. The Owner encourages participation by all firms qualifying under this solicitation regardless of business size or ownership.

Contract shall provide a certified statement signed by the subcontractors, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers that were used on the project through race neutral means.

5.00% of Contract Amount Required.

The Contractor is responsible for keeping track of if they are meeting the DBE goal throughout the project.

- The DBE goal will be calculated based on the full bid. Needs to meet 5% prior to bid.
- All DBE's need be registered with the state of Missouri.

5. QUALIFICATION OF BIDDERS

- A. Qualifications shall be furnished per Section 3-9, Paragraph 20-02. Each bidder shall furnish the Owner satisfactory evidence of his or her competency and financial responsibility to perform the proposed work. This includes resumes of key personnel, equipment list and a list detailing experience on similar construction projects.

6. ESTIMATED CRITICAL CONTRACT DATES

- A. Contract Award: July 2024 (ESTIMATED) –The signature of the bidder indicates that within thirty (30) calendar days from acceptance of its bid offer it will execute a contract with the Owner and, if indicated in this solicitation, furnish a project specific Certificate of Insurance naming the Owner as Additional Insured, furnish Performance and Payment Bonds and any other documents required by the Contract Documents.
- B. Notice to Proceed. Summer 2024 to 2025, Refer to Section 3-35, Paragraph 80-02.
- C. Project Time: 125 Calendar Days from start date after Notice to Proceed. Refer to Section 3-38, Paragraph 80-08 for more information.

7. BONDING

- A. Payment Bond: Section B-29, Section 3-13 paragraph 30-05, 100% of Bid Amount,
- B. Performance Bond: Section B-25, 100% of Bid Amount, Refer to Section 30-05

8. INSURANCE REQUIREMENTS

See Section 4 – Supplementary Provisions, Part A Federal and State Provisions for Buy American Requirements. Buy American Certification required to be submitted as part of the Bid Proposal Form.

9. FEDERAL AND STATE WAGE RATES (DAVIS BACON ACT)

Federal or MoDOT prevailing wage rates are required for this project, whichever is higher per job classification. Refer to Section 4-43, Parts D, Federal and State Wages.

10. ENGINEER’S FIELD OFFICE

Not required. Refer to Section 3-26, Paragraph 60-05 for more information.

11. LIQUIDATED DAMAGES

Contractor shall be assessed a liquidated damages of \$750/calendar day(s) for each day that the work remains uncompleted beyond the contract period. As compensation for expenses incurred for unscheduled employment of the Engineer, up to \$2,700/calendar day for the construction manager plus up to \$2,200/calendar day for each additional resident engineer plus any incurred expenses (per diem, lodging, etc.) will be charged to the Contractor for that that time which exceeds the number of Calendar Days(s). Refer to Section 4-38; Paragraph 80-08, Part C Local Provisions paragraph 18. Liquidated Damages, and Section B-30 Article 6 for additional information.

12. CONSTRUCTION SAFETY AND PHASING PLAN (CSPP)

A. Intent is to minimize disruption to airport operations and provide safety to construction workers as well as aircraft operating at the Airport. See Sheets G050 – G-056 for detailed phasing requirements.

B. The Contractor shall review the and adhere to the requirements of the CSPP – See Appendix B.

a. Runway will be closed for duration of the project

b. Contractor still responsible for traffic entering the airport and around the airport

C. Safety Plan Compliance Document.

The Contractor shall submit a Safety Plan Compliance Document (SPCD) to the Engineer and Airport Operator prior to Notice to Proceed, as required by FAA Advisory Circular (AC) 150/5370-2G “Operational Safety on Airports During Construction.”

The items to be included in the SPCD include but not limited to.

1. Specific hazard equipment and lighting to be used on the project.
2. Construction equipment heights.
3. Contractor’s contacts, and subcontractor’s contacts (including afterhours contact procedures).
4. List of construction personnel that will require security badging.
5. Statements on how the Contractor will adhere to the CSPP.
6. If the Contractor plans to deviate from the CSPP, these deviations shall be noted in SPCD and submitted for approval by the Engineer and Airport. (Examples will be made available to assist the Contractor with this requirement).

Refer to Section 2.4.2, page 2-4 of the AC-150/5370-2G for additional details. This AC is included in the Contract Documents in Appendix A.

13. BUY AMERICAN PRODUCTS

- A. See Section 4. Supplementary Provisions, Part A Federal and State Provisions for Buy American Requirements. Buy American Certification required to be submitted as part of the Bid Proposal Form

14. MISCELLANEOUS

- A. Quality Assurance Testing
- B. Quality Control by Contractor – Item C-100 (Section 3-49) Contractor testing firm shall be separate from the Engineer.
 - 1. Contract Quality Control Program (CQCP) submitted by Contractor prior to starting work.
 - 2. Construction Observation Program – Compiled by Engineers and incorporates the CQCP. (Section 4-40).
- C. Survey Requirements – Refer to Section 3-20, Section 50-06.
- D. The Contractor is responsible for acquiring any necessary permits.
- E. Badging – Follow CSPP and Airport Requirements.
 - 1. Not required.
- F. Haul Routes – Sheet G050 through Sheet G056 notes. The Contractor shall be responsible for any damage to existing facilities or roads. Repairs shall be made at no additional cost to the Sponsor.
 - 1. [The Haul Route is to be updated in next addendum to include the route to the north of the runway off the county road.](#)
- G. Airport radios shall be required and must be monitored at all times. Unicom number [123.0](#)
- H. Award date will depend on receipt of federal funds. Bids can be held up to 120 calendar days. This project is FAA/MoDOT funded so timeline will be dependent on MoDOT Aviation funding availability and approval.
- I. The Contractor should refer to the contract docs Section 70-15 for proper instructions on dealing with the utilities.
- J. The contractor is to coordinate with the RPR on a local off-site dump site
- K. Millings should be disposed of in an approved location as determined by the RPR. In case any millings are produced from the project, they shall belong to the Sponsor.
- L. The Contractor is responsible for coordinating with the City on an off-site water source. The Contractor is also responsible for providing port-a-potty for crew members.
- M. The Contractor is responsible for seeding all disturbed area caused by construction.
- N. Taxiway and Runway edge lights and other lighting equipment shall remain owned by the Airport unless otherwise noted.

- O. Discuss stock pile area and concrete washout area
- P. Discuss excess fill created by cut material can be placed in stockpile area.
- Q. If the Contractor has issues with elevations or bench marks, it will need to be resolved prior to construction.
- R. Mobilization is capped at 10% per overall items in each associated schedule. See Section 3-59, 105-2 Mobilization limit in the contract documents.
- S. All tree removal must occur between November 1st and March 31st.
- T. Contractor to be familiar with FAA Specifications
 - 1. Local or state specifications will not be allowed.
 - 2. Contractors should check the gradations for P-154 and P-208. Make sure quarries can meet the gradations and specification requirements.
 - 3. P-207 is for the full depth pavement section for bid alternate no. 1 only.
 - 4. P-610 concrete will require ASR testing on the mix design.
 - 5. P-401 Asphalt Mix – Contractor to ensure they are good with gradations and Asphalt Content
- U.

15. ADDENDUM UPDATE

- 1. Addendum No. 1 issued on Wednesday June 12, 2024.
- 2. Any items to include in an addendum

16. QUESTIONS

- A. Are the contract liquidated damages based on the overall 125 calendar days or if the contractor is over days per schedule.
 - i. For this project, since all schedules are to be completed within the overall 125 calendar days, that will be what liquidated damages are based on.
- B. What is the split per schedule for the line item quantities?
 - i. Schedule II and III associated pavement section and earthwork are cut off at the hold bar location.
- C. Can the bid opening time or date be pushed back?
 - i. Due to funding, the bids are needed before the end of June, so the date cannot be pushed back. The bid opening time has been pushed back to 2:00 pm Monday June 24, 2024 per Addendum No. 2.
- D. Per the P-401 asphalt specification, are there testing requirements for the APA (asphalt pavement analyzer) results?
 - i. The use of APA is not required for pavement serving aircraft less than 60,000 lbs.
- E. If the geotechnical report comes back showing high fat clays, and lime treated subgrade is needed, will there be an add alternate?
 - i. The pavement design of cement treated subgrade has already been designed to stabilize the fat clays. The geotechnical bore logs will be included in Addendum No. 3.
- F. The topsoil specification lists certain requirements and alludes to off-site material, is the topsoil to be offsite or onsite material?
 - i. The topsoil is intended to use onsite material as long as it allows for proper grass growth. The topsoil shall be considered incidental to item P-152a Unclassified Excavation.
- G. Does the fill material in the stockpile area need to be compacted, graded, or seeded to certain standards?

- i. The fill material placed in the stockpile area is intended to be used for the airport's future use. The material needs to be graded with reasonable slopes per the direction of the RPR. The height of the stockpile material cannot be above the nearest Runway Safety Area elevation. The stockpile area does need to be seeded to provide adequate erosion control and to meet the SWPPP requirements.
- H. Can we get the CAD quantity take-offs?
 - i. As answered in Addendum No. 1, the CAD file will be provided to the awarded contractor.

Questions will be taken via written email format only to Woolpert, Inc. bid.info@woolpert.com and (cc: laura.koonce@woolpert.com) until Thursday June 20, 2024 at 4 p.m. (CT)

17. OTHER

18. PROJECT SITE TOUR



WOOLPERT

931 Wildwood Drive, Suite 101
Jefferson City, MO 65109
Phone: 573 636 3200
Fax: 573 636 3201

Washington County Airport

Pre-Bid Meeting Sign In

Meeting Date / Location: June 12, 2024

Washington County Airport Terminal Building

Conference Room

12225 East State Highway 8

Mineral Point, MO 63660

Project Name: Schedule I: Runway 2/20 Reconstruction

Schedule II: Runway 2/20 Widening and Taxiway Reconstruction

Schedule III: Apron Reconstruction

Schedule IV: Runway Lighting Rehabilitation

Schedule V: Runway Guidance Signs

Bid Alternate No. 1: Full Depth Reclamation

Time: 3:00 p.m.

MODOT Project No.: 24-060A-2

Name	Company	Telephone No.	E-mail
Laura Koonce, Project Manager	Woolpert, Inc.	573 658 9477	laura.koonce@woolpert.com
Millicent PARKER	Mo DOT	573-751-7477	millicent.parker@modot.mo.gov
Sam RAYBORN	PCX Construction	573-366-1466	THREVESS@PCXLLC.COM
Terry HAWESS V.P.	Mid America Carpenters	217-277-5859	jpikeys@carpentersvalm.org
Joel Pily, Rep	Mid America Carpenters	636-295-1455	kgoodwin@carpentersunion.org
Hurt Goodwin, Rep	NB West Contracting	314-803-6020	hwebery@nbwest.com
Kevin Webery, AC Manager	NB WEST	636 388 2994	quittington@nbwest.com
ADAM WHITTINGTON	FACE Construction Co LLC	314.524.7223	SCANLON@faceconstructionstl.com
Chris Scanlon	FACE CONSTRUCTION CO	573-702-4515	CTK@BEX.COM
CHAD KIBANE	Airport	573-438-3582	shd2@LV110.com
Dannf Wilson	Lynarens Log 110	314 756-1051	estimating@jokerstpaving.com
JOSE WENYANDER	MODOT	314-250-9494	
Brian Kochmer			
MARK HUBER			

8WC Runway Reconstruction & Widening and Apron Reconstruction

Quest eBidDoc™ Number: 9141371**Closing Date:** Mon, 06/24/2024 09:00 AM CDT **Posting Type:** Construction Project **Owner Name:** Washington County **Solicitor Name:** Woolpert**Contact:** Laura Koonce **Phone:** 573.658.9477 **Email:** Laura.koonce@woolpert.com

<u>Company Name & Address</u>	<u>Contact Name/Email Address</u>	<u>Phone/Fax</u>	<u>Bus. Cert</u>	<u>Bus. Desig</u>	<u>Entry Date</u>	<u>Doc Type</u>	<u>Comments</u>
ePlan 1400 Forum Blvd Ste 7B, Columbia, MO-65203	Eplan Reporter eplan@eplanbidding.com	5734477130 573-355-5404		Plan Room	05/29/2024	eBidDoc	
Pace Construction Company St. Louis 1620 Woodson Road, St. Louis, MO-63114	Andy Ernst cinn@paceconstructionstl.com	314-581-2376		Construction Manager	05/29/2024	eBidDoc	
ConstructConnect 3825 Edwards Rd, Cincinnati, OH-45209	Eric Mills content@constructconnect.com	800-364-2059 866-570-8187		Plan Room	05/31/2024	eBidDoc	
Bloomsdale Excavating Co., Inc. 12211 State Route Y, Bloomsdale, MO-63627	Gina Blum estimating@blex.com	573-483-2564 573-483-9474		Prime Bidder	05/31/2024	eBidDoc	
Lumacurve Airfield Signs 9115 Freeway Dr., Macedonia, OH-44056	Elizabeth Humpage liz@lumacurve.com	3304672030		Supplier	06/03/2024	eBidDoc	
KT Power Systems 433 County Road 638, Cape Girardeau, MO- 63701	Jim McElreath j.mac@ktpowersystems.com	573-388-4524 573-388-4547	WBE	Subcontractor	06/03/2024	eBidDoc	
Jokerst Paving & Contracting, Inc. PO Box 637, Festus, MO- 63028	Mark D Huber estimating@jokerstpaving.com	3142509494		Construction Manager	06/05/2024	eBidDoc	
ADB Safegate 977 Gahanna Parkway, Columbus, OH-43230	Jason Watson jason.watson@adbsafegate.com	614-861-1304 X2200		Supplier	06/11/2024	eBidDoc	
NB West Contracting 2780 Mary Ave., St. Louis, MO-63144	Keith Denney kdenney@nbwest.com	314-495-7319 573-468-4533		Prime Bidder	06/12/2024	eBidDoc	
Eaton Crouse-Hinds Airport Lighting 1200 Kennedy Road, Windsor, CT-06095	Kim Pelletier kimpelletier@Eaton.com	860-683-4371 860-683-4354		Supplier	06/12/2024	eBidDoc	