



June 20, 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. 5** 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

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**ADDENDUM NO. 5  
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 20, 2024:

**1. CONTRACT DOCUMENTS/SPECIFICATIONS**

**Contract Documents.** Section 1, Notice to Bidders

**Revision:** Contract Work Items table on Section 1-10 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.** Proposal sheets

**Revision:** The proposal sheets for Schedules I - V and Bid Alternate No. 1 have been reissued

**Justification:** The proposal sheets for Schedules I - V and Bid Alternate No. 1 have been updated to reflect the quantity changes associated with the items in this addendum.

**2. PLANS**

**G005A - (7 of 150) Summary of Approximate Quantities**

**Revision:** The Summary of Approximate Quantities table has been updated

**Justification:** The summary of approximate quantities table has been updated for the quantity changes associated with this addendum.

**G005B - (8 of 150) Summary of Approximate Quantities**

**Revision:** The Earthwork Summary table has been updated

**Justification:** The Earthwork Summary table has been updated to reflect the information provided in the plans.

**3. QUESTIONS**

**Question:** Technical Specification P-608 calls for an emulsified asphalt seal coat. It states that this product is incidental to P-401 asphalt paving. Is this required over the surface area of all new asphalt pavements?

**Answer:** The P-608 Emulsified Asphalt Seal Coat specification is included in the Contract Documents for if any corrective grinding is required, which the seal coat would then be applied to the ground surfaces and would be considered incidental to P-401. Seal coat is not required over the surface area of all new asphalt pavements, unless corrective grinding is required. Please refer to Section 608-7.1 of the P-608 specification.

**Question:** Bid alternate No. 1 item number P-152a has 9,200 cy of unclassified excavation. Shouldn't this quantity be zero (0) since the material will remain in place for the FDR in item number P-207a?

**Answer:** The P-152a Unclassified Excavation quantity under Bid Alternate No. 1 has been removed from the project and associated pages have been re-issued as part of this addendum.

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

**\*\* END OF ADDENDUM NO. 5 \***

Woolpert, Inc.  
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573.636.3200

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	9,600	16,500	5,800	0	0	0
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	960	320	520	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	960
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

**SCHEDULE I**

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	9,600	\$	\$
P-154a	Subbase Course	at the unit price of: _____ dollars and _____ cents.	CY	4,540	\$	\$
P-154b	Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	27,200	\$	\$
P-156a	Cement Treated Subgrade	at the unit price of: _____ dollars and _____ cents.	SY	27,200	\$	\$
P-156b	Cement	at the unit price of: _____ dollars and _____ cents.	TON	960	\$	\$
P-208a	Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.	CY	4,670	\$	\$
P-401a	Asphalt Paving Course	at the unit price of: _____ dollars and _____ cents.	TON	6,820	\$	\$
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	\$	\$

SCHEDULE I						
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 I TOTAL \$ \_\_\_\_\_**

SCHEDULE II						
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	1,630	\$	\$
P-152a	Unclassified Excavation	at the unit price of: _____ dollars and _____ cents.	CY	16,500	\$	\$
P-154a	Subbase Course	at the unit price of: _____ dollars and _____ cents.	CY	1,460	\$	\$
P-154b	Separation Geotextile	at the unit price of: _____ dollars and _____ cents.	SY	8,740	\$	\$
P-156a	Cement Treated Subgrade	at the unit price of: _____ dollars and _____ cents.	SY	8,740	\$	\$
P-156b	Cement	at the unit price of: _____ dollars and _____ cents.	TON	320	\$	\$
P-208a	Aggregate Base Course	at the unit price of: _____ dollars and _____ cents.	CY	1,500	\$	\$
P-401a	Asphalt Paving Course	at the unit price of: _____ dollars and _____ cents.	TON	1,960	\$	\$
P-603a	Emulsified Asphalt Tack Coat	at the unit price of: _____ dollars and _____ cents.	GAL	1,210	\$	\$
P-620a	Temporary Pavement Marking	at the unit price of: _____ dollars and _____ cents.	SF	3,970	\$	\$
P-620b	Permanent Pavement Marking, White	at the unit price of: _____ dollars and _____ cents.	SF	3,630	\$	\$
P-620c	Permanent Pavement Marking, Yellow	at the unit price of: _____ dollars and _____ cents.	SF	340	\$	\$
P-620d	Permanent Pavement Marking, Black	at the unit price of: _____ dollars and _____ cents.	SF	700	\$	\$
D-705a	Install 6-Inch Perforated Polyethylene Pipe	at the unit price of: _____ dollars and _____ cents.	LF	8,610	\$	\$
D-705b	Install 6-Inch Non-Perforated Polyethylene Pipe	at the unit price of: _____ dollars and _____ cents.	LF	970	\$	\$
D-751a	Install 6-Inch Underdrain Cleanout	at the unit price of: _____ dollars and _____ cents.	EA	27	\$	\$
D-751b	Install Inspection Pit	at the unit price of: _____ dollars and _____ cents.	EA	18	\$	\$
D-751c	Install Aircraft Rated Inlet	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$

SCHEDULE II						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
L-125a	Remove Runway Edge Light and Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	42	\$	\$
L-125b	Remove Runway Threshold Light and Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	16	\$	\$
L-125c	Remove Taxiway Edge Light and Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	4	\$	\$

**SCHEDULE II TOTAL \$ \_\_\_\_\_**



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	5,800	\$	\$
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	520	\$	\$
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	\$	\$
D-701e	Install 24-Inch Reinforced Concrete Pipe, Flared End Section (FES)	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$

SCHEDULE III						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
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 \$ \_\_\_\_\_**

SCHEDULE IV						
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-105a	Mobilization	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
L-108a	Install #8 AWG, L-824C, 5000V, Wire	at the unit price of: _____ dollars and _____ cents.	LF	24,500	\$	\$
L-108b	Install #6 AWG, Bare Copper Counterpoise Including Ground Rods and Terminations	at the unit price of: _____ dollars and _____ cents.	LF	11,500	\$	\$
L-110a	Install 1-2" SCH. 40 PVC Conduit (DEB)	at the unit price of: _____ dollars and _____ cents.	LF	10,750	\$	\$
L-110b	Install 1-2" SCH. 40 PVC Conduit (CE)	at the unit price of: _____ dollars and _____ cents.	LF	250	\$	\$
L-110c	Install 2-3" Spare SCH. 40 PVC Conduit (CE)	at the unit price of: _____ dollars and _____ cents.	LF	300	\$	\$
L-115a	Remove L-867 Junction Box, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-115b	Install L-867 Junction Box, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-125d	Install new LED L-861 Runway Edge Light on New Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	42	\$	\$
L-125e	Install New LED L-861E Runway Threshold Light on New Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	16	\$	\$
L-125f	Install New LED L-861T Taxiway Edge Light on New Base, Complete	at the unit price of: _____ dollars and _____ cents.	EA	28	\$	\$
L-125i	Install L-881 LED PAPI System, Style A, on New Foundation, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-125j	Install PAPI Power Frame on New Foundation, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-125k	Install L-849 LED REIL System on New Foundation, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$
L-125l	Install New L-853 Stake Mounted Retroreflective Marker	at the unit price of: _____ dollars and _____ cents.	EA	6	\$	\$
L-125m	Connect Airfield Circuits to Spare Constant Current Regulator	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
L-125n	Spare Parts for Airport Visual Aids (Unit Cost Fixed at \$10,000)	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$

**SCHEDULE IV TOTAL \$ \_\_\_\_\_**

SCHEDULE V						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
C-105a	Mobilization	at the unit price of: _____ dollars and _____ cents.	LS	1	\$	\$
L-125g	Install New L-858 Lighted Guidance Sign on New concrete Pad in Soil, Size 1, 1 Module, Complete	at the unit price of: _____ dollars and _____ cents.	EA	3	\$	\$
L-125h	Install New L-858 Lighted Guidance Sign on New Concrete Pad in Soil, Size 1, 3 Module, Complete	at the unit price of: _____ dollars and _____ cents.	EA	2	\$	\$

**SCHEDULE V TOTAL \$ \_\_\_\_\_**

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-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	960	\$	\$
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	\$	\$
D-701c	Install 36-Inch Reinforced Concrete Pipe, Class V	at the unit price of: _____ dollars and _____ cents.	LF	33	\$	\$

BID ALTERNATE NO. 1						
Item No.	Description		Units	Estimated Quantity	Unit Price	Total
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	\$	\$

**BID ALTERNATE NO. 1 TOTAL \$ \_\_\_\_\_**

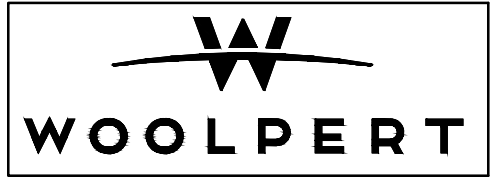
SUMMARY OF APPROXIMATE QUANTITIES

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
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	9,600		16,500		5,800		0		0		0	
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	960		320		520		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		960	
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	

**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			
	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
	3	L.K.K.	06/17/2024	ADDENDUM NO. 2
	4	L.K.K.	06/19/2024	ADDENDUM NO. 4
APP: L.K.K.	5	L.K.K.	06/20/2024	ADDENDUM NO. 5

**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

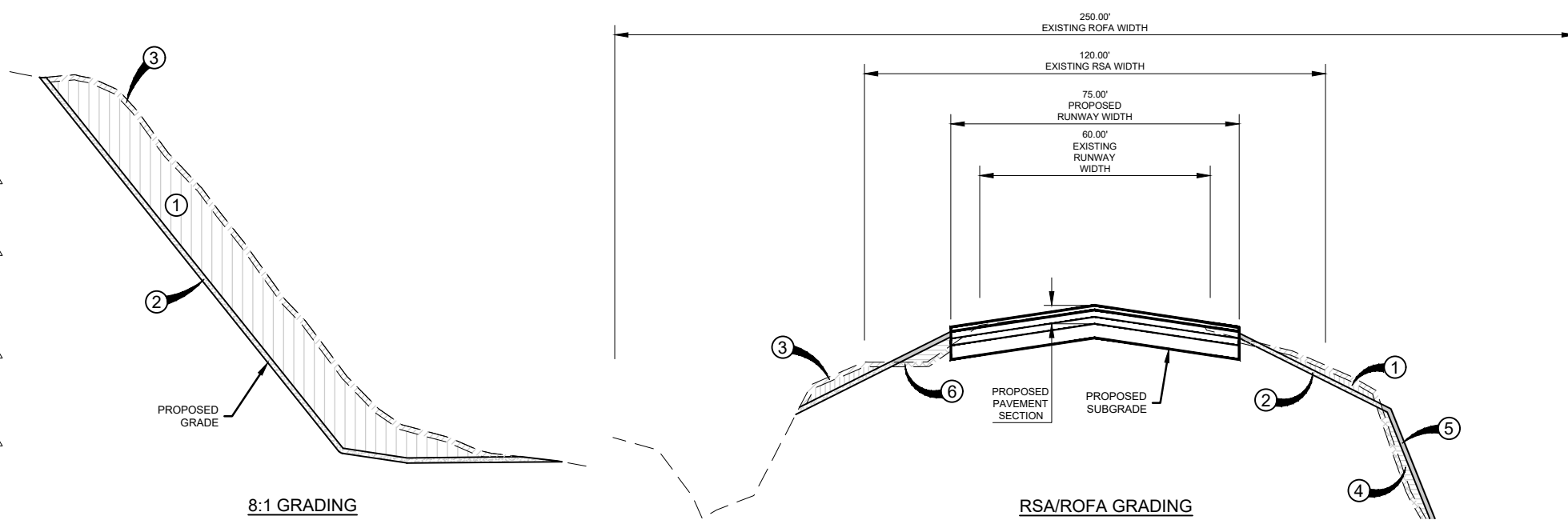
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G005A  
**SHEET NO.**  
7 of 150

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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)
<b>SCHEDULE I</b>		
RUNWAY 2/20 RECONSTRUCTION - 60'X4000' PAVEMENT AREA	9,100	30
<b>SCHEDULE I SUBTOTAL</b>	<b>9,100</b>	<b>30</b>
<b>SCHEDULE II</b>		
RUNWAY 2/20 WIDENING - 7.5'X4000' PAVEMENT AREA	2,010	45
TAXIWAY RECONSTRUCTION - PAVEMENT UP TO HOLD BAR	460	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
<b>SCHEDULE II SUBTOTAL</b>	<b>15,655</b>	<b>11,740</b>
<b>SCHEDULE III</b>		
APRON RECONSTRUCTION - PAVEMENT UP TO TAXIWAY CONNECTION	4,595	145
TAXIWAY RECONSTRUCTION - PAVEMENT BEYOND HOLD BAR & UP TO APRON CONNECTION	550	25
RSA/ROFA GRADING - RUNWAY, TAXIWAY AND APRON GRADING BEYOND HOLD BAR	0	450
4" TOPSOIL - RSA/ROFA GRADING ABOVE	350	0
<b>SCHEDULE III SUBTOTAL</b>	<b>5,495</b>	<b>620</b>
<b>PROJECT TOTAL</b>	<b>30,250</b>	<b>12,390</b>



**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)

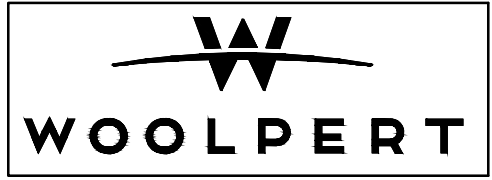
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LAURA K. KOONCE	2022012014	05/28/24
NAME	REG. NO.	DATE

FOR AND ON BEHALF OF WOOLPERT

Printed June 20, 2024 @ 3:06 PM by: Brian, Nicole  
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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.	06/11/2024	ADDENDUM NO. 1
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	4	L.K.K.	06/20/2024	ADDENDUM NO. 5

**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.**  
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