

ADDENDUM NO. 1
March 26, 2019

TO: PLANS AND SPECIFICATIONS FOR

RAILROAD SPUR EXTENSION PROJECT
PROJECT NO. 2016-701-1

Bidders are hereby informed that the construction plans and/or specifications are modified as follows:

PRE-BID MEETING MINUTES

The minutes from the Pre-Bid Meeting held at 9:00 AM on Thursday March 21, 2019 at the office of the Cole County Public Works Department, as attached, shall be included in the contract documents for this project.

BID PROPOSAL

The following items have been either added to the proposal or quantities have changed:

Base Bid

Changed

- Item No. 4 – Excavation, 1,615 CY
- Item No. 5 – Imported Fill, 2,020 CY
- Item No. 6 – Subballast, 1,159 NT

Added

- Item No. 11 – Seed and Mulch, 0.6 Ac

Alternate Bid

Changed

- Item No. 4 – Excavation, 665 CY
- Item No. 5 – Imported Fill, 270 CY
- Item No. 6 – Subballast, 171 NT

A new bid proposal form has been included in this addendum. All contractors shall use the new bid proposal when submitting their bid.

JOB SPECIAL PROVISIONS

I. EARTHWORK shall be replaced with the following:

I. EARTHWORK

1.0 See UPRR Industrial Track Specifications Sections 8.13 through 8.16.

2.0 EXCAVATION

2.1 This work shall consist of excavating all material necessary to achieve the required track subgrade and side slope and ditch line and grades as shown on the drawings. The contractor shall stockpile a sufficient quantity of material to cover fill slopes with 6" of soil prior to seeding. All other excavated material shall be disposed of off-site at a location determined by the contractor.

2.2 In cut sections, existing material shall be excavated 18" below subgrade elevation to allow placing shot-rock subgrade.

3.0 IMPORTED FILL

3.1 This work shall consist of importing and placing shot-rock fill necessary to achieve the required track subgrade and side slope line and grades as shown on the drawings.

3.2 Shot-rock shall be placed in uniform, horizontal lifts with maximum lift thickness of 18". Shot-rock shall be well graded, contain no more than 40% finer than 2", and contain no more than 20% finer than U.S. Sieve #200. The maximum particle size shall be 12".

J. SUBGRADE STABILIZATION shall be deleted from the job special provisions.

PLAN SHEETS

Sheet 12

The quantity tables show earthwork and subballast quantities at Sta 44+00, 45+00 and 45+78.2. This work was at the future track locations at the Morris Packaging building expansion area. Grading for these stations has been removed from the project. The end of the project is at Sta. 43+02. The tables have been updated to show the change and new quantities for subballast, cut and fill are shown on the sheet.

A revised sheet 12 is included with this addendum.

BY THE ORDER OF:

Eric Landwehr, P.E., County Engineer
Cole County Department of Public Works
March 27, 2019

**RAILROAD SPUR EXTENSION PROJECT
PROJECT NO. 2016-701-1**

**Pre-Bid Meeting Notes
March 21, 2019**

The meeting was held at the Cole County Fire Protection District "Training and Administration Building" beginning at 9:00am. Those attending the meeting are listed below:

<u>Name</u>	<u>Representing</u>	<u>Phone</u>
Eric Landwehr	Cole County	573-636-3614
Chris Bush	American Track	918-939-9094
Billy Patterson	M&H Contractors	314-440-8774
Glen Bowman	Bottomline	903-824-5000
Justin Schnieders	Jeff Schnieders Const.	573-636-7335
Jim Dallas	Twehous Excavating	573-395-4354
Neal Houser	Kelly-Hill Co.	816-741-7727
Bryant Vessell	Emery Sapp & Sons	573-445-8331
Curtis Shuman	Emery Sapp & Sons	573-445-8331
Andrew Rolf	Railworks	314-291-2233
Aaron Vollroth	Capital Railroad	573-474-3588
Paul Samson	CMPS	573-634-3455
Ryan West	West Excavating	573-201-0216
Dale West	West Excavating	573-691-1954

GENERAL BIDDING INFORMATION

1. Sealed proposals on the forms prepared by the Cole County Department of Public Works will be received by the County Commission, Cole County, Missouri, at the Courthouse Annex, Jefferson City, Missouri, until **9:00 a.m., on March 29, 2019**, for the **Railroad Spur Extension Project**. The proposals will be publicly opened and read aloud thereafter. Bids received after the specified time for opening will be returned unopened.
2. Plans and specifications may be viewed online in the bids section at www.colecounty.org. All contractors wishing to bid on this project shall obtain an official copy of the plans and specifications at the office of the Cole County Department of Public Works, 5055 Monticello Road, Jefferson City, Missouri 65109-9182, (573) 636-3614.
3. **All prospective bidders will be required to purchase a set of plans and specifications in order to be able to bid this project. If a bid is submitted without purchasing a set of plans and specifications, the bid will be rejected.** This requirement is necessary to ensure that all of the bidders have received the applicable addenda before submitting a bid for this project.
4. A bid guaranty will be required in the amount of 5% of the bid. Can be paper bid bond or cashier's check.
5. Questions regarding the plans and specifications will be taken up to **24 hours prior to the date and time of the bid opening**. This will allow the County to get the information out to all of the bidders. General questions regarding the bidding process will be answered up to the time of the opening.
6. Prevailing wage rates are required on this project. State rates apply.
7. Bids shall be submitted on the proposal forms in the bidding documents. All blank spaces shall be filled in on the forms by typewriter or by handwriting in ink. The bidder shall make

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Pre-Bid Minutes

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no other stipulations in the bid form or qualify his bid in any manner. The bids shall be submitted in an opaque sealed envelope marked "**Railroad Spur Extension Project**" and shall be clearly marked with project title, bid date, bid time and bidder's name and address.

8. If awarded the contract, the Contractor agrees to complete the work by no later than **October 31, 2019** as defined in the specifications.
9. **Liquidated damages** shall be **\$500.00** per calendar day for every day that the Contractor fails to complete the work as provided in the contract documents.
10. Simultaneously with the delivery of the executed contract, the Contractor shall furnish a surety bond in the amount of 100% of the total contract sum, as security for both faithful performance of the contract and for the payment of all persons performing labor on the project under this contract as specified in the contract documents.
11. Do NOT include federal excise tax or sales and use taxes in the bid prices. This project will be a SALES TAX EXEMPT project. A copy of the federal tax exemption certificate will be furnished if required.

GENERAL PROJECT INFORMATION

1. This project includes an extension of the Algoa area railroad spur owned by Cole County. It currently serves two industrial properties and will be extended to serve a third.
2. The contractor is highly advised to visit the project location to observe existing site conditions.
3. The County will be providing construction observation through county inspectors or an engineering consultant.
4. The Contactor shall provide construction staking.
5. Utility companies are listed in the JSP's. The contractor shall contact all utilities that might be impacted and allow time for relocation.
6. ALL CHANGE ORDERS – If there is any item that the contractor thinks additional pay is warranted, a change order request will have to be submitted and approved prior to commencing any of the additional work. Any extra work done without approval is not guaranteed to be paid.
7. The alternate bid is for an extension to the siding at Alpla. They are paying for this work and will sign a separate contract with the awarded contractor if they choose to accept the bid.
8. The contract award will go to the lowest and best base bid.

STANDARD PLANS AND SPECIFICATIONS

Technical specifications will be the UPRR Industrial Track Specification included in the bid documents. Any specifications not found in this document will be covered by the currently effective 2017 version of the Missouri Standard Specifications for Highway Construction.

JOB SPECIAL PROVISIONS

The job special provisions were reviewed. Special attention was given to the following:

1. C. Alternate Bid – Alpla Railraod Spur Extension. As mentioned above, Alpla will be extending their siding at their building. The base bid will be used to award the contract. Alpla will award the alternate and use the same contract form that the County uses.
2. E. Permits. The county has a land disturbance permit through DNR. A county Storm Water Pollution Prevention Plan will be used and reports shall be done by the county

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- inspector and contractor foreman.
3. H. Utilities. Contractor will need to verify location of all utilities prior to beginning work. Contacts are listed in this JSP.
 4. I. Earthwork. See section 8.13 through 8.16 in the UP specifications. The contractor shall dispose of excess material off site and be responsible for obtaining imported material as needed.
 5. J. Stabilized Subgrade. Subgrade stabilization will likely be needed and an estimated quantity is shown in the plans. Details are listed in this provision.
 6. K. Erosion Control. The contractor shall employ erosion control best management practices to limit the amount of sediment entering the pipes and streams. This provision ties in with JSP E Permits.
 7. L. Topsoil, Seeding, Fertilizing and Mulch. Information on topsoil requirement and seeding, fertilizing and mulch mixtures and rates are found in this JSP.

QUESTIONS RECEIVED PRIOR TO PRE-BID MEETING

Q1. Does the contractor have to buy a separate insurance policy or can the County be added as an additional insured to the general liability policy.

A1. No new policy is needed. The county can be added to an existing policy.

Q2. Compaction at 95% modified proctor might be hard to achieve with the soil that is on site. Would the county consider doing subgrade stabilization on the whole length.

A2. We are considering it and will issue an addendum addressing it if we do. There is a quantity for partial stabilization.

Q3. Where is the gradation for the sub-ballast located?

A3. Section 11 of the UPRR specifications.

Earthwork and Subgrade Stabilization

There was considerable discussion over how to handle the subgrade stabilization and possibility of changing out all fill material to shot rock. After the meeting it was decided to change out the fill material to require all shot rock with a top soil cap on the fill slopes.

PLAN REVIEW

1. The first few sheets of the plans show the existing track. Sheet 4 shows the plan view of the extension and the new track is in GREEN. PURPLE is for future extension and not part of this project.
2. The typical sections on sheet 4 show the ballast and subballast thicknesses.
3. There is one switch in the drawings and three earthen bumpers
4. On the profile view on page 5 you can most of the rail spur is on fill. The cut is primarily for the ditches and for the subballast.
5. Earth quantities are shown on page 12 and the job balances pretty close.
6. The detail for drainage pipes on sheet 8 do not apply for this project. The existing crossroad pipe will not be disturbed.
7. On sheet 4 the Morris Packaging building has recently been added on to and most of the grading for the railroad has been done. The cross sections reflect the recent grading work.
8. Sheet 13/14 show grading limits and erosion control details. Erosion control is a lump

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sum item and BMP's are shown on these sheets.

QUESTIONS AND ANSWERS

Received at pre-bid meeting, by telephone, e-mail etc. prior to issuing Addendum No. 1

Q1. Will the work on the siding at Alpla require prevailing wage?

A1. YES. Because this project is being advertised and administered by a public entity, prevailing wages will apply.

Q2. Will CMPS provide the data if a contractor wants do the staking on their own rather than hire CMPS?

A2. YES.

Q3. Is the contractor responsible for all inspections on stormwater BMP's?

A3. YES. The county inspector will assist when the inspections are needed but it should be initiated by the contractor.

Q4. Is limestone allowed for the ballast?

A4. YES. We used 2" clean in the past. Capital Quarries will likely have a rock that meets the spec.

Q5. Is the project tax exempt.

A5. YES.

Q6. There is 110 and 112 rail on some of the older sections and the drawings show 115. What is required?

A6. 115. That is on the plans and approved by UP.

Q7. The higher cost switch is shown in the plans but the existing switches are a lesser grade. Do you really want the higher cost switch.

A7. YES. What is shown on the plans is approved by UP and we need to leave it as is.

Q8. When is the notice to proceed?

A8. We will need to get approval from the City of Jefferson before awarding the project. This will take a few weeks. In general, we should be ready to award by mid-April and notice to proceed will follow as soon as the contractor submits the signed contracts, bond and insurance.

ESL:el

CC: File
Attendees
Planholders

PROPOSAL FORM

COUNTY OF COLE, MISSOURI

**RAILROAD SPUR EXTENSION PROJECT
PROJECT NO. 2016-701-1**

Name of Bidder: _____

Address of Bidder: _____

To: Cole County Department of Public Works
5055 Monticello Road
Jefferson City, MO 65109

THE UNDERSIGNED BIDDER, having examined the Plans, Specifications, Regulations of the Contract, Special Conditions and other proposed Contract Documents, and all addenda thereto; and being acquainted with and fully understanding (a) the extent and character of the work covered by this Proposal; (b) the location, arrangement, and specified requirements for the proposed work; (c) the location, character, and condition of existing streets, roads, highways, railroads, pavement, surfacing, walks, driveways, curbs, gutters, trees, sewers, utilities, drainage courses and structures, and other installation, both surface and underground which may affect or be affected by the proposed work; (d) the nature and extent of the excavations to be made, and the type, character, and general condition of materials to be excavated; (e) the necessary handling and re-handling of excavated materials; (f) the location and extent of necessary or probable dewatering requirements; (g) storm and flood water; (h) local conditions relative to labor, transportation, hauling, and rail delivery facilities; and (i) all other factors and conditions affecting or which may be affected by the work.

HEREBY PROPOSED to furnish all required materials, supplies, equipment, tools, and plant; to perform all necessary labor and supervision; and to construct, install, erect, and complete all work stipulated in, required by, and in accordance with the proposed Contract Documents and the drawings, Specifications, and other documents referred to therein (as altered, amended, or modified by addenda), in the manner and time prescribed and that he will accept in full payment sums determined by applying to the quantities of the following items, the following unit prices and/or any lump sum payments provided, plus or minus any special payments and adjustments provided in the Specifications and he understands that the estimated quantities herein given are not guaranteed to be the exact or total quantities required for the completion of the work shown on the drawings and described in the Specifications, and that increases or decreases may be made over or under the Contract estimated quantities to provide for needs that are determined during progress of the work and that prices bid shall apply to such increased or decreased quantities as follows:

ITEMIZED PROPOSAL

BASE BID					
Item No.	Item Description	Unit	Quantity	\$ Unit Price	\$ Amount
1	Mobilization	LS	1		
2	Clearing and Grubbing	LS	1		
3	Erosion Control	LS	1		
4	Excavation	CY	1,615		
5	Imported Fill	CY	2,020		
6	Subballast	NT	1,159		
7	Construct Railroad Track	TF	1,258		
8	No. 9 Turnout	EA	1		
9	Flop Over Derail With Wheel Crowder	EA	1		
10	Earthen Bumper	EA	2		
11	Seed and Mulch	AC	0.6		
TOTAL BASE BID:					

ALTERNATE BID - ALPLA TRACK EXTENSION					
Item No.	Item Description	Unit	Quantity	\$ Unit Price	\$ Amount
1	Mobilization	LS	1		
2	Clearing and Grubbing	LS	1		
3	Erosion Control	LS	1		
4	Excavation	CY	665		
5	Imported Fill	CY	270		
6	Subballast	NT	171		
7	Construct Railroad Track	TF	237		
8	Earthen Bumper	EA	1		
TOTAL ALTERNATE BID:					

TOTAL BASED BID + ALTERNATE BID:	
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BIDDER recognizes and acknowledges the receipt of the following Addenda:

DATE Addendum Number DATE Addendum Number

If the Bidder intends to use any subcontractor in the course of the construction, he shall list them. (If necessary, attach additional pages to list all subcontractors.)

<u>Company Name</u>	<u>Address</u>	<u>City, State, Zip</u>	<u>Work To Be Performed</u>	<u>% of Bid</u>

TIME OF COMPLETION:

The undersigned hereby agrees to complete the project by no later than **October 31, 2019**, subject to the stipulations of the regulations of the Contract and the Special Conditions.

It is understood that the specifications governing the construction of the work contemplated are those known and designated as the "Missouri Highway & Transportation Commission Standard Specifications for Highway Construction, 2018" approved by the Missouri Highways & Transportation Commission, together with the special provisions, job and general, if any attached to this proposal.

It is understood and agreed that if this Proposal is accepted, the prices quoted above include all applicable state taxes and that said taxes shall be paid by the Contractor.

The undersigned, as Bidder, hereby declares that the only persons or firms interested in the Proposal as principal or principals is or are named herein and that no other persons or firms than herein mentioned have any interest in this Proposal or in the Contract to be entered into; and this Proposal is made without connection with any other person, company, or parties making a bid or proposal; and that it is in all respects fair and in good faith, without collusion or fraud.

The undersigned agrees that the accompanying bid deposit shall become the property of the County should he fail or refuse to execute the Contract or furnish Bond as called for in the specifications within the time provided.

If written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned within ninety (90) days after the date of opening of bids, or any time thereafter before this bid is withdrawn, the undersigned will, within ten (10) days after the date of such mailing, telegraphing, or delivering of such notice, execute and deliver a Contract in the form of Contract attached.

The undersigned hereby designates as his office to which such notice of acceptance may be mailed, telegraphed, or delivered:

Contact Person	Company Name	Mailing Address	City, State & Zip Code
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It is understood and agreed that this bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

Attached hereto is a Bid Bond for the sum of _____

_____ (\$ _____)
Dollars (cashier's check), made payable to the County of COLE.

SIGNATURE AND IDENTITY OF BIDDER

The undersigned states that the correct LEGAL NAME and ADDRESS of (1) the individual bidder, (2) each partner or joint venturer (whether individuals or corporation, and whether doing business under a fictitious name), or (3) the corporation (with the state in which it is incorporated) are shown below; and that (if not signing with the intention of binding himself to become the responsible and sole contractor) he is the agent of, and duly authorized in writing to sign for the Bidder or Bidders; and that he is signing and executing this (as indicated in the proper spaces below) as the proposal of

AN INDIVIDUAL:

Name of Individual

Residence Street Address

Social Security Number

City, State & Zip Code

Firm Name, If Any

Business Address

Business Telephone Number

City, State & Zip Code

Signature

Date

A PARTNERSHIP:

_____	(State Names & Addresses of All Partners)
Name of Partnership	
_____	_____
Partner	Residence Address
_____	_____
Partner	Residence Address

Business Address	
_____	_____
City, State & Zip Code	Business Telephone Number
_____	_____
Signature of At Least One Partner	Date

A CORPORATION:

_____	Incorporated under the laws of the State
Name of Corporation	of _____
_____	Corporate License No. _____
Name and Title of Officer	(If a corporation organized in state other
_____	than Missouri, attach Certificate of _____
Business Telephone Number	Authority to do business in the State of
_____	Missouri.)
_____	_____
Business Address	City, State & Zip Code
_____	_____
Signature of Officer	Date
ATTEST:	
_____	_____
Signature of Secretary (SEAL)	Date

ANTI-COLLUSION STATEMENT

STATE OF _____)
)
)
COUNTY OF _____)

being first duly sworn, deposes and says that he is

_____ of _____
Title of Person Signing Name of Bidder

Address of Bidder

that all statements made and facts set out in the proposal for the above project are true and correct; and that the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such bid of any contract which result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

(BY) _____

(BY) _____

Sworn to before me this _____ day of _____, 20_____

Notary Public

My commission expires: _____

CONTRACTOR'S AFFIDAVIT

STATE OF _____)
)
)
COUNTY OF _____)

This affidavit is hereby made a part of the Proposal, and an executed copy thereof shall accompany each Proposal submitted.

The undersigned, _____, of
lawful age, being first duly sworn states upon oath that he is _____

the Contractor submitting the attached proposal, that he knows of his own knowledge and states it to be a fact that neither said proposal nor the computation upon which it is based include any amount of monies, estimate or allowance representing wages, moneys or expenses, however designated, proposed to be paid to persons who are not required to furnish material or actually perform services upon or as a part of the proposed project.

AFFIANT

Subscribed and sworn to before me, a Notary Public, in and for the County and State aforesaid, this _____ day of _____, 20_____.

Notary Public

My commission expires _____

S:\2016\CMPS\Cole County Spur\Design\16065-1.dwg, Earthwork Quantities, 1/8/2019 10:20:24 AM, kms

PRO DIRT WORK BASELINE - EARTHWORK TABLE							
STATION	CUT AREA (SQFT)	FILL AREA (SQFT)	CUT VOLUME (CY)	FILL VOLUME (CY)	CUMULATIVE CUT VOLUME (CY)	CUMULATIVE FILL VOLUME (CY)	NET VOLUME (CY)
32+10	169.88	0.00	0.00	0.00	0.00	0.00	0.00
33+00	74.04	0.00	406.54	0.00	406.54	0.00	406.54
34+00	86.46	0.00	297.24	0.00	703.78	0.00	703.78
34+46.5	71.97	0.00	136.54	0.00	840.32	0.00	840.32
34+61.5	43.29	0.00	32.02	0.00	872.34	0.00	872.34
34+90	23.98	0.00	35.46	0.00	907.80	0.00	907.80
35+00	0.00	6.76	4.44	1.25	912.24	1.25	910.99
35+13.6	0.00	17.31	0.00	6.07	912.24	7.32	904.91
36+00	42.31	29.00	67.67	74.06	979.91	81.39	898.52
37+00	15.97	67.38	107.27	178.54	1,087.18	259.92	827.26
37+50	11.55	92.39	24.73	148.10	1,111.91	408.02	703.88
38+00	9.98	105.06	19.56	182.95	1,131.47	590.98	540.49
38+60.4	4.60	178.33	16.30	316.79	1,147.76	907.77	239.99
39+00	3.26	174.07	5.77	258.66	1,153.54	1,166.43	-12.89
39+18.4	2.68	170.33	2.02	117.12	1,155.56	1,283.55	-127.99
39+90	22.69	16.79	34.89	246.62	1,190.45	1,530.17	-339.72
40+00	0.00	7.86	4.20	4.57	1,194.66	1,534.74	-340.08
40+09.2	3.80	2.71	0.65	1.81	1,195.31	1,536.54	-341.24
40+67.1	22.28	0.00	28.09	2.89	1,223.39	1,539.43	-316.04
41+00	25.08	0.00	28.87	0.00	1,252.26	1,539.43	-287.17

PRO DIRT WORK BASELINE - EARTHWORK TABLE							
STATION	CUT AREA (SQFT)	FILL AREA (SQFT)	CUT VOLUME (CY)	FILL VOLUME (CY)	CUMULATIVE CUT VOLUME (CY)	CUMULATIVE FILL VOLUME (CY)	NET VOLUME (CY)
41+15.8	34.45	0.00	17.44	0.00	1,269.70	1,539.43	-269.74
42+00	48.15	0.04	128.76	0.06	1,398.46	1,539.49	-141.03
43+00	26.08	3.54	137.47	6.62	1,535.93	1,546.12	-10.19
43+02	25.73	3.61	1.91	0.26	1,537.84	1,546.38	-8.54
44+00	26.82	7.80	95.38	26.71	1,633.22	1,567.09	66.13
45+00	31.07	1.91	107.21	17.99	1,740.42	1,585.08	155.34
45+78.2	34.45	0.00	84.82	2.77	1,835.35	1,587.85	247.50

ISSUED FOR BID
(01-08-19)

PRO DIRT WORK BASELINE - SUB-BALLAST TABLE			
STATION	AREA (SQFT)	VOLUME (CY)	CUMULATIVE VOLUME (CY)
32+10	19.75	0.00	0.00
33+00	19.75	65.83	65.83
34+00	19.75	73.15	138.98
34+46.5	19.75	34.04	173.02
34+61.5	12.25	8.89	181.91
34+90	12.25	12.91	194.83
35+00	12.50	4.58	199.41
35+13.6	12.50	6.31	205.72
36+00	12.50	39.99	245.70
37+00	12.50	46.30	292.00
37+50	12.50	23.15	315.15
38+00	12.50	23.15	338.30
38+60.4	16.00	31.86	370.16
39+00	16.00	23.49	393.64
39+18.4	16.00	10.88	404.53
39+90	15.07	41.18	445.71
40+00	15.38	5.64	451.35
40+09.2	15.89	5.35	456.69
40+67.1	18.83	37.28	493.97
41+00	19.65	23.46	517.43

PRO DIRT WORK BASELINE - SUB-BALLAST TABLE			
STATION	AREA (SQFT)	VOLUME (CY)	CUMULATIVE VOLUME (CY)
41+15.8	19.75	11.54	528.97
42+00	19.75	61.58	590.55
43+00	19.75	73.15	663.70
43+02	19.75	1.45	665.15
44+00	20.00	72.15	737.30
45+00	20.00	74.07	811.37
45+78.2	20.00	67.05	869.32

EARTHWORK QUANTITIES

CUT = ~~1,840 CY~~ 1540 CY
 FILL = ~~1,590 CY~~ 1550 CY
 SUBBALLAST = ~~1,740 NT~~ 1330 NT

ADDITIONAL CUT FOR 18"
 SHOT-ROCK SUBGRADE = 740 CY
 TOTAL CUT = 2280 CY
 TOTAL FILL = 2290 CY

REVISION #	BY	DATE	DESCRIPTION	CONST. PLANS



FES #36881

Central Missouri Professional Services, Inc.
 ENGINEERING - SURVEYING - MATERIALS TESTING
 2500 E. McCARTY (573) 634-3455
 JEFFERSON CITY, MISSOURI 65101 (573) 634-8898



11166 TESSON FERRY ROAD
 SUITE 100
 ST. LOUIS MO, 63123-6966
 (314) 729-7600

EARTHWORK QUANTITIES

Drawn By: KMS
 Checked By: RSS
 Date: 01-08-19
 Job Number: 16065-1
 Sheet Number: 12

For Use In Agreement With: UPRR
 And ALPLA & COLE COUNTY
 MILE POST 119.4, SEDALIA SUBDIVISION
 ALGOA, COLE COUNTY, MISSOURI
 TRACKAGE TO SERVE: ALPLA & MORRIS PKG