

Res. 17940

JACKSON COUNTY DEPARTMENT OF PUBLIC WORKS
CONTRACT CHANGE ORDER

CHANGE ORDER NO. 3(FINAL) PROJECT Woods Chapel Road

CONTRACTOR Amino Brothers Company, Inc. COUNTY NO. 2293
8110 Kaw Drive FED. AID NO. STP-3470(402)
Kansas City, Kansas 66111

THIS CONTRACT SHALL BE AMENDED AS FOLLOWS:
Description of change:
See Attachment A

Amount this change order (plus) (minus) (no change).....\$ 197,237.68

The contract amount will be amended as follows:

Original contract price.....	\$ <u>7,823,471.06</u>
Amount of all previous Change Orders + plus	\$ <u>279,421.65</u>
Amount of this Change Order + plus	\$ <u>197,237.68</u>
New total contract price.....	\$ <u>8,300,130.39</u>

The change order shall become an amendment to the contract and all provisions of the contract except as amended above and by any previous change orders, shall apply hereto.

CONTRACTOR'S ACCEPTANCE

BY [Signature]
Title CEO
Date 5/23/2012

OWNER'S APPROVAL

BY [Signature]
Title County Executive
Date July 23, 2012

APPROVAL RECOMMENDED

[Signature]
County Resident Engineer
[Signature]
Chief Engineer

APPROVAL AS TO FORM

[Signature]
County Counselor

ATTEST

[Signature]
Clerk, Jackson County Legislature

CERTIFICATION

I hereby certify that there is a balance otherwise unencumbered to the credit of the appropriation to which this contract is chargeable and a cash balance otherwise unencumbered in the treasury to the credit of the fund from which payment is to be made, each sufficient to meet the obligation of \$ 197,238 hereby authorized.

NA per Agreement
Lee's Summit Public Works

[Signature]
Manager - Division of Finance
015-1512-8040
15122012 001

FINAL APPROVAL

Missouri Department of Transportation.
District Engineer

Missouri Department of Transportation
Division Engineer - Construction

Digitally signed by Dennis Bryant
DN: cn=Dennis Bryant,
o=MoDOT, ou=3H35,
email=dennis.bryant@modot.mo
.gov, c=US
Date: 2012.07.30 13:58:01 -05'00'

FILED

JUL 31 2012

MARY JO SPINO
COUNTY CLERK



Missouri Department of Transportation

Kansas City District
Daniel Niec, P.E., District Engineer

600 Northeast Colbern Rd.
816.622.6500
Fax: 816.622.6550
1.888.ASK MODOT (275.6636)
Lee's Summit, Missouri 64086

July 30, 2012

Mr. Rodger Seidleman
Jackson County Public Works
303 West Walnut
Independence, MO 64050

Dear Mr. Seidleman:

Attached is one copy of approved Change Order No. 3 Final for Project No. STP-3470 (402), Woods Chapel Road Improvements.

Items 163, 166, 167, 168 will be nonparticipating; the remaining items will be participating up to the limits of the federal funds that are available for this project.

If you have any questions, please call me at (816) 607-2105.

Sincerely,

James Bentley
District Construction Liaison

JBB

J:\bentlj\thomam1\Correspondence\Jackson County\Woods Chapel\CoRet#3 Final



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ATTACHMENT A Woods Chapel Road Change Order # 3 (FINAL)
Jackson County Project # 2293 Federal Project STP-3470(402)

ITEM NO.	DESCRIPTION	PLAN/CO QUANTITY	AS-BUILT QUANTITY	QUANTITY CHANGE	UNIT PRICE	PRICE CHANGE
#6	Pavement Removal	46,806 sy -	47,342 sy	536 /	\$2.45 -	\$1,313.20 /
#7	Class A Excavation	131,230 cy -	137,411 cy	6,181 /	\$3.29 -	\$20,335.49 -
#12	2" Asphalt Surface	83,882.00 sy -	86,738 sy	2,856.00 /	\$5.90 -	\$16,850.40 /
#13	7" Asphalt Base	83,882.00 sy -	87,129.00 sy	3,247.00 /	\$16.19 -	\$52,568.93 /
#18	CG-1 Curb	22,167 lf	22,170 lf	3.00 /	\$14.75 /	\$44.25 -
#19	CG-1 Dry Curb	4,631 lf -	4,673.60 lf	42.60 /	\$14.75 -	\$628.35 /
#22	6" Asphalt Driveway	400 sy	716.38 sy	316.38 /	\$30.45 -	\$9,633.77 -
#26	4" Concrete Bikepath	12,050 sy	12,233.89 sy	183.89 /	\$19.44 -	\$3,574.82 -
#33	18" CMP (12 Gage)	163 lf -	115 lf	(48.00) /	\$63.00 -	(\$3,024.00) -
#34	24" CMP (12 Gage)	80 lf -	106	26.00 /	\$84.00 -	\$2,184.00 -
#39	36" RCP Class III	437 lf -	491 lf	54.00 /	\$120.50 -	\$6,507.00 -
#40	36" RCP Class IV	148 lf -	202 lf	54.00 /	\$159.50 /	\$8,613.00 -
#49	Flared End Section - 18" RCP	7 ea -	9 ea	2.00	\$650.00 -	\$1,300.00 /

ITEM NO.	DESCRIPTION	PLAN/CO QUANTITY	AS-BUILT QUANTITY	QUANTITY CHANGE	UNIT PRICE	PRICE CHANGE
#50	Flared End Section - 36" RCP	7 ea ✓	6 ea	(1.00) ✓	\$1,510.00 ✓	(\$1,510.00) ✓
#56	Channelizers	210 ea	399 ea	189 ✓	\$66.00 ✓	\$12,474.00 ✓
#60	Temporary Crushed Rock	5,823.73 sy	5,949.23 sy	125.5 ✓	\$6.50 ✓	\$815.75 ✓
#61	Traffic Barrier	2278 lf	2,480 lf	202 ✓	\$13.20 ✓	\$2,666.40 ✓
#63	Seeding	14.50 acres ✓	24.47 acres	9.97 ✓	\$2,400.00 ✓	\$23,928.00 ✓
#64	Temporary Seeding	14.23 acres	29.73	15.50	\$2,040.00 ✓	\$31,620.00 ✓
#70	Silt Fence	19,209 lf	19,257 lf	48	\$1.38 ✓	\$66.24 ✓
#72	Sediment Removal	138.75 cy	0 cy	(138.75) ✓	\$27.60 ✓	(\$3,829.50) ✓
#75	Erosion Control Blanket	0	2,133 sy	2,133	\$3.30 ✓	\$7,038.90 ✓
#77	Wheel Chair Ramps	757.16 sf	440 sf	(317.16)	\$41.80 ✓	(\$13,257.29) ✓
#163	Force Account (SEE BELOW)	1,230,954.12	\$221,339.85	(9,614.27)	NA	(\$9,614.27) ✓
#166NEW	Flared End Section 15" RCP	0 ea	3 ea	3	\$600.00	\$1,800.00 ✓
#167NEW	Flared End Section 24" RCP	0 ea	3 ea	3	\$900.00	\$2,700.00 ✓
#168NEW	15" Fly-Ash Treated Subgrade	0 sy	3,156.33 sy	3,156.33	\$6.91	\$21,810.24 ✓
TOTAL						\$197,237.68 ✓

FORCE ACCOUNT ITEMS

1. Temporary Pipe Installation
Lump Sum \$19,825.00
2. 4" PVC Waterline Relocation
Lump Sum \$18,636.74
3. 2" PVC Waterline
Lump Sum \$9,372.40

ITEM NO.	DESCRIPTION	PLAN/CO QUANTITY	AS-BUILT QUANTITY	QUANTITY CHANGE	UNIT PRICE	PRICE CHANGE
4.	Driveway Widening & Removals (6 total)	Lump Sum	\$7,596.17			
5.	Phone Line Relocation	Lump Sum	\$7,076.50			
6.	Added 16" DIP Waterline	Lump Sum	\$13,804.46			
7.	Lower 12" Waterline @ Georgian Drive	Lump Sum	\$19,859.54			
8.	Waterline Damage Repair	Lump Sum	\$591.73			
9.	Flyash Damage Repair	Lump Sum	\$1,397.25			
10.	Temporary Drive @ 185+00	Lump Sum	\$2,495.08			
11.	Storm Sewer Alterations 153+86 & 218+20	Lump Sum	\$6,948.80			
12.	Replace Fence	Lump Sum	\$774.53			
13.	Asphalt Patching	Lump Sum	\$108,060.84			
14.	Remove & Reset Light Pole	Lump Sum	\$2,660.00			
15.	Relay Pipe Out of 12-5	Lump Sum	\$468.91			
16.	Structure Adjustment (3 total)	Lump Sum	\$1,505.90			
17.	Surveying Georgian Drive Waterline	Lump Sum	\$276.00			
	FA TOTAL		\$221,339.85			

MEMO OF EXPLANATION

CHANGE ORDER # 3(FINAL)

Woods Chapel Road
Federal Project STP-3470(402)
County Project 2293

#6 Pavement Removal Tying the east end of the project into the existing pavement was not addressed in the plans. This pavement removal was necessary in order to accomplish this tie in. Increased plan quantity by 536 sy for an increase of \$1,313.20.

#7 Class A Excavation The plans indicated there was 3,000 cy of excavation at Woods Chapel & Liggett Road. Before and after cross sections revealed there was 9,181 cy of excavation at this site resulting in an increase of 6,181 cy for an increase of \$20,335.49.

#12 2" Asphalt Surface As-built field measurements and the plan quantity main line pavement matched reasonably. All the overruns in this item are in the side streets and various Park roads. The project was built to the limits shown on the plans. Therefore this overrun is the product of plan error. This results in an increase in this item of \$16,850.40. (3%)

#13 7" Asphalt Base Same reason as above (Item 12). This results in an increase of \$52,568.93.

#18 CG-1 Curb this is a reasonable overrun, and is field measured. Increased contract by \$44.25.

#19 CG-1 Dry Curb The as-built quantity is field measured and results in an overrun of 42.6 lf (0.9%) this increases contract by \$628.35.

#22 6" Asphalt Driveway This is an overrun of 78.18 sy due to increasing the length of several drives for a smoother transition into the bike path and roadway. This increases contract by \$9,633.77.

#26 Concrete Bikepath This is an overrun of 183.89 sy from Change Order #1 and is the actual field measured quantity. This is an underrun of 54.11 sy from plan quantity. This is an increase of \$3,574.82.

#33 18" CMP This is the as-built quantity of 18" CMP installed. This an underrun of 48 lf resulting in a decrease of \$3,024.00.

#34 24" CMP This overrun of 26 lf is due to plan quantity error. This increase of 26 lf results in an increase to the contract of \$2,184.00.

#39 36" RCP Class III This quantity represents the actual field measured 36" RCP installed. This is an overrun of 54 lf for an increase of \$6,507.00.

#40 36" RCP Class IV This quantity represents the actual field measured 36" RCP Class IV installed. This overrun of 54 lf results in an increase of \$8,613.00.

#49 18" RCP FES Field condition revealed another 2 flared end sections were required. This results in an increase of \$1,300.00.

#50 36" RCP FES The flared end section at Sta. 163+65 Rt. Was eliminated resulting in a decrease of \$1,510.00.

#56 Channelizers 399 channelizers is the final count of this item used through out the project. This project was stalled due to many utility delays. This overrun 189 units results in an increase of \$12,474.00.

#56 Temporary Crushed Rock This is the final measurement of this quantity. Due to utility delays the project went through 2 winters and this rock was necessary to keep residents and Parks roads and driveways accessible. This is an increase of \$815.75 from Change Order #1.

#61 Traffic Barrier This is the final field verified quantity actually placed. This is an increase of 202 lf from Change Order #1 resulting in an increase of \$2,666.40.

#63 Seeding This represents the amount seeding placed on the the project. The plan quantity was in error. This overrun of 9.97 acres results in an increase of \$23,928.00.

NR #64 Temporary Seeding This is the final amount placed on the project. Through out the life of the project several areas had to be done twice due to additional sidewalk being added to the project and the changing of phases for traffic to keep the road open. This is an increase to the contract of \$31,620.00.

#70 Silt Fence After review of the diaries and quantity book this is the final amount of silt fence installed. This is an increase of 48 lf from Change Order #1. This increases the contract by \$66.24.

#72 Sediment Removal This was error on my part in Change Order #1. This item is subsidiary and not a pay item. This results in a decrease of \$3,829.50.

#75 Erosion Control Blanket After Change Order #1 was authorized it was determined to place erosion control blanket on the west end bank of the project to stabilize this bank. This increased the contract by \$7,038.90.

#77 Wheel Chair Ramps this final quantity is the amount of ramps placed as measured in the field. This underrun of 317.16 sf results in a decrease to the contract of \$13,257.29.

NP #163 Force Account This item decreases \$9,614.27 from Change Order #1. A Memo of Explanation is attached covering all the force account items.

NP #166NEW It was determined in the field to add 3 flared end sections to 3 pipe runs. This increases contract by \$1,800.00.

NP #167NEW It was determined in the field to add 3 flared end sections to 3 pipe runs. Increases contract by \$2,700.00.

NP #168NEW 15" Fly-ash Treated Subgrade. The subgrade just east of Renau Drive required additional stabilization. This increases contract by \$21,810.24.

FORCE ACCOUNT MEMO OF EXPLANATION

1. Temporary Pipe The design did not allow for drainage of the Phase 1 by-pass therefore creating a pond on the north side of the by-pass (Sta 183+00) This item covers the installation of a temporary pipe.
2. The 4" PVC waterline at the Park entrance had to be lowered to avoid conflict with the road construction (Park main entrance)
3. It was requested to install a 2" PVC waterline from the Shelter 2 restroom to the County building at 22301 Woods Chapel.
- 4 6 driveways were widened due to R/W concessions and requests from Lee's Summit. Work included curb removal and concrete widening.
5. the phone line on Park property had to be relocated to build new park road. Ranger Station & Maintenance access road
6. Design error. Needed to add additional 16" DIP waterline to connect to existing water tower.
7. Design error. The new waterline at Georgian Drive was designed too shallow. Therefore during subgrade preparation it hit. This item covers the cost to lower this waterline.
8. This is the fee Lee's Summit Water charged Arlino to repair damage to the above waterline.
9. This covers the cost of reworking the fly-ash subgrade at Georgian Drive damaged by waterline break.
10. A temporary drive not shown on the plans was requested to accomodate access to the property at Sta 130+00 Rt.

11. These 2 storm sewers had to be altered to fit field conditions

12. The fence at Sta 143+00 Lt had to be replaced (Bromley property) at Lee's Summit's request.

13. The asphalt base, which is not designed to be a surface coarse, was subject to traffic, snow plows, and delcers for 2 years due to utility delays. Various areas exhibited some surface segregation, cracks, and minor pot holes. These areas were milled 2" deep and replaced at cost. (no profit)

14. This needed to be done to place additional sidewalk. Lee's Summit requested.

15. Field design change to avoid new waterline.

16. 3 structures has to be adjusted to fit existing and new field conditions.

17. This covers resurveying Georgian Drive due to waterline work.