

Change Order

No. 9-Final Revised

Date of Issuance: January 31, 2012

Effective Date: January 30, 2012

| | | |
|---|--|---|
| Project: <u>Todd George Parkway</u> | Owner: <u>City of Lee's Summit, MO</u> | Owner's Contract No: <u>18103-C ARRA-ES04 (011)</u> |
| Contract: <u>Street Improvements – Strother Road/ Todd George Parkway</u> | | Date of Contract: <u>July 12, 2010</u> |
| Contractor: <u>APAC-Kansas, Inc. Kansas City Division</u> | | Engineer's Project No.: <u>10667</u> |

7415 W 130th PO Box 23910 Overland Park, KS 66213

The Contract Documents are modified as follows upon execution of this Change Order:

Description: Refer to Reasons for Change and Change Spreadsheet (Attached).

Attachments: (List documents supporting change):

Reasons for Change

Change Spreadsheet

| CHANGE IN CONTRACT PRICE: | CHANGE IN CONTRACT TIMES: |
|--|---|
| Original Contract Price: \$ <u>4,335,565.32</u> | Original Contract Times: <input type="checkbox"/> Working days <input type="checkbox"/> Calendar days Substantial completion (days or date): <u>430 Cal. Days Sept. 13, 2011</u> Ready for final payment (days or date): <u>460 Days October 13, 2011</u> |
| Increase from previously approved Change Orders No. <u>0</u> to No. <u>8</u> : \$ <u>274,960.30</u> | [Increase] from previously approved Change Orders No. <u>1</u> to No. <u>5</u> : Substantial completion (days): <u>14 Calendar Days</u> Ready for final payment (days): <u>14 Calendar Days</u> |
| Contract Price prior to this Change Order: \$ <u>4,610,525.62</u> | Contract Times prior to this Change Order: <u>6</u> Substantial completion (days or date): <u>444 Cal. Days Sept. 27, 2011</u> Ready for final payment (days or date): <u>474 Cal. Days October 27, 2011</u> |
| Increase of this Change Order: \$ <u>26,233.30</u> | [Increase] [Decrease] of this Change Order: <u>NA</u> Substantial completion (days or date): _____ Ready for final payment (days or date): _____ |
| Contract Price incorporating this Change Order: \$ <u>4,636,758.92</u> | Contract Times with all approved Change Orders: <u>NA</u> Substantial completion (days or date): _____ Ready for final payment (days or date): _____ |

RECOMMENDED:

By: 
Engineer (Authorized Signature)

Date: 1/31/2012

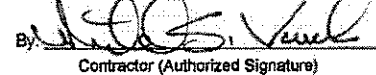
Approved by Funding Agency (if applicable): _____

ACCEPTED:

By: _____
Owner (Authorized Signature)

Date: _____

ACCEPTED:

By: 
Contractor (Authorized Signature)

Date: 1-31-12

Date: _____

CONTRACTOR'S NAME AND ADDRESS:
 APAC - Kansas, Inc
 7415 W. 130th Street PO Box 23910
 Overland Park, Kansas 66213
 (913)814-6700

CHANGE ORDER SPREADSHEET - CO # 9 - Final (Revised)
 Street Improvements Shoulder Road / Toold George Parkway
 Lee's Summit, MO
 Project ARRA-BSD4(011) - Bid No. 18183-C

| Item No | Description | CONTRACT AMOUNT BEFORE CO # 9 | | | | CHANGE THIS CO # 9 | | | | REVISED CONTRACT AMOUNT | | | |
|---------|---|-------------------------------|-------|-------------|--------------|--------------------|-------|--------------|------------|-------------------------|-------|--------------|------------|
| | | Quantity | Units | Unit Cost | Total Cost | Quantity | Units | Unit Cost | Total Cost | Quantity | Units | Unit Cost | Total Cost |
| 8 | Unusable Material Removal and Replacement | 500 | CY | \$6.10 | \$3,050.00 | -500.00 | | -\$3,050.00 | 0.00 | | | \$0.00 | |
| 9 | Subgrade Stabilization (1/2" Crush Stone) CO # 8 (+2,967) | 55,406.0 | SY | \$5.25 | \$290,881.50 | 203.00 | | \$1,065.75 | \$5,609.00 | | | \$291,947.25 | |
| 10 | 2" APWA Type 3-01 or Type 6-01 Surface | 54,078 | SY | \$7.50 | \$405,585.00 | 355.00 | | \$2,662.50 | \$4,433.00 | | | \$408,247.50 | |
| 11 | 7" APWA Type 1-01 or Type 2-01 Base | 55,176 | SY | \$17.90 | \$987,650.40 | 3.00 | | \$53.70 | \$5,179.00 | | | \$987,704.10 | |
| 13 | 6" PVC Drain Tile (Underdrain) | 465 | LF | \$21.25 | \$9,881.25 | 341.00 | | \$7,246.25 | 806.00 | | | \$17,127.50 | |
| 14 | 6" APWA Blanket Underdrain Aggregate (Drainable Base) | 5,488 | SY | \$8.65 | \$47,402.00 | -203.00 | | -\$1,755.95 | 5,277.00 | | | \$45,646.05 | |
| 15 | Sidewalk | 61 | SY | \$53.30 | \$3,251.30 | -14.50 | | -\$772.85 | 46.50 | | | \$2,478.45 | |
| 18 | APWA Type CG-1 Curb & Gutter | 1,974.0 | LF | \$27.00 | \$53,298.00 | 17.50 | | \$472.50 | 1,991.50 | | | \$53,770.50 | |
| 19 | Median Nose | 4 | EA | \$1,175.00 | \$4,700.00 | 1.00 | | \$1,175.00 | 5.00 | | | \$5,875.00 | |
| 21 | 6" Rock Blanket (Rip Rap) | 303 | SY | \$47.05 | \$14,256.15 | 22.70 | | \$1,068.04 | 325.70 | | | \$15,324.19 | |
| 33 | Seeding | 30.50 | AC | \$963.45 | \$29,384.23 | 10.00 | | \$9,634.50 | 40.50 | | | \$39,018.73 | |
| 36 | Temporary Construction Entrance | 156 | Ton | \$52.30 | \$8,158.20 | -45.80 | | -\$2,395.34 | 110.20 | | | \$5,762.86 | |
| 37 | Silt Fence | 3,448 | LF | \$1.55 | \$5,344.40 | -211.00 | | -\$327.05 | 3,237.00 | | | \$5,017.35 | |
| 38 | Macadam N10 TRM or Approved Equal | 20,014 | SY | \$6.00 | \$120,084.00 | -1,777.00 | | -\$10,662.00 | 18,237.00 | | | \$109,422.00 | |
| 39 | Macadam N20 TRM or Approved Equal | 3,752 | SY | \$7.55 | \$28,327.60 | -294.20 | | -\$2,221.21 | 3,457.80 | | | \$26,106.39 | |
| 40 | North American Green S75 ECB or Approved Equal | 9,113 | SY | \$1.55 | \$14,125.15 | -984.00 | | -\$1,525.20 | 8,129.00 | | | \$12,599.95 | |
| 42 | Geo-Ridge | 1,140 | EA | \$31.25 | \$35,625.00 | -172.00 | | -\$5,375.00 | 968.00 | | | \$30,250.00 | |
| 43 | Class 4 Excavation CO # 4 (935) | 3,653 | CY | \$12.00 | \$43,836.00 | -366.00 | | -\$4,392.00 | 3,287.00 | | | \$39,444.00 | |
| 46 | Permanent Signs | 197 | SF | \$20.15 | \$3,969.55 | -16.50 | | -\$332.48 | 180.50 | | | \$3,637.08 | |
| 47 | Traffic sign post | 27 | EA | \$100.65 | \$2,717.55 | -3.00 | | -\$301.95 | 24.00 | | | \$2,415.60 | |
| 48 | 4" White Thermoplastic Pavement Marking | 32,268 | LF | \$0.40 | \$12,907.20 | -51.00 | | -\$20.40 | 32,217.00 | | | \$12,886.80 | |
| 50 | 6" White Thermoplastic Pavement Marking | 588 | LF | \$0.85 | \$499.80 | 4.00 | | \$3.40 | 592.00 | | | \$503.20 | |
| 51 | 12" White Thermoplastic Pavement Marking | 128 | LF | \$2.45 | \$313.60 | -3.00 | | -\$7.35 | 125.00 | | | \$306.25 | |
| 55 | Right Turn Arrow | 3 | EA | \$140.90 | \$422.70 | 3.00 | | \$422.70 | 6.00 | | | \$845.40 | |
| 90C | On Job Training Funds CO # (4-2,000) | 2,000 | HR | \$3.50 | \$7,000.00 | -500.00 | | -\$1,750.00 | 1,500.00 | | | \$3,250.00 | |
| 92C | Enkamat 7020 (TRM) Resitation CO # 5 6,339 | 6,339 | SY | \$3.16 | \$20,031.24 | -1,890.60 | | -\$5,974.30 | 4,448.40 | | | \$14,056.94 | |
| 93C | Enkamat 7020 (TRM) Resitation CO # 5 724 | 724 | SY | \$3.61 | \$2,613.64 | -130.00 | | -\$469.30 | 594.00 | | | \$2,144.34 | |
| 97C | 6" PVC Underdrain (Perforated) CO # 7.1,150 | 1,150 | LF | \$26.85 | \$30,877.50 | -10.00 | | -\$268.50 | 1,140.00 | | | \$30,609.00 | |
| 98C | 6" PVC Underdrain (Solid with Flow Fill) CO # 7.125 | 125 | LF | \$26.85 | \$3,356.25 | -30.00 | | -\$805.50 | 95.00 | | | \$2,550.75 | |
| 99C | Colored Stamped Concrete (Median Island) | 0.0 | SF | \$3,087.75 | \$0.00 | 1.00 | | \$3,087.75 | 1.00 | | | \$3,087.75 | |
| 100C | Existing Pavement Repair @ Woods Repair Force Account | 0.0 | SF | \$569.33 | \$0.00 | 1.00 | | \$569.33 | 1.00 | | | \$569.33 | |
| 101C | Median Nose 7 curd Removal @ EBL 11 Turn Colbern F A | 0.0 | SF | \$1,188.03 | \$0.00 | 1.00 | | \$1,188.03 | 1.00 | | | \$1,188.03 | |
| 102C | Fuel Adjustment (Unclassified Excavation) | 0.0 | SF | \$16,110.04 | \$0.00 | 1.00 | | \$16,110.04 | 1.00 | | | \$16,110.04 | |
| 103C | Fuel Adjustment (Embarkment) | 0.0 | SF | \$10,034.14 | \$0.00 | 1.00 | | \$10,034.14 | 1.00 | | | \$10,034.14 | |
| 104C | Asphalt Cement APWA Type 1-01R | 0.0 | Ton | \$20.00 | \$0.00 | 618.88 | | \$12,377.60 | 618.88 | | | \$12,377.60 | |
| 105C | Asphalt Cement APWA Type 3-01 | 0.0 | Ton | \$5.00 | \$0.00 | 293.69 | | \$1,468.45 | 293.69 | | | \$1,468.45 | |
| | | | | | Total Cost | | | \$26,233.30 | | | | | |

BY: *[Signature]* Date: 1-31-12

**Street Improvements—Strother Road/Todd George Parkway
ARRA-ES04 (011) City Bid No. 18103-C
Change Order # 9 Final Revised Reasons for Changes**

Line Item No. 8 – Unsuitable Material Removal and Replacement

Reason for Changes:

This bid item was for removal of unsuitable material and replacement with earth backfill. The unsuitable material that was removed needed to be backfilled with commercial rock backfill, (Change Order No. 8 Item No. 96C) therefore this plan bid item 500 CY X \$6.10 = (-\$3,050.00) was not used.

This change results in a Decrease Contract cost of (-\$3,050.00)

Line Item No. 9 - Subgrade Stabilization (9" Fly Ash Treated Subgrade)

Line Item No. 14 - 6" APWA Blanket Underdrain Aggregate (Drainable Base)

Reason for Changes:

The plan Blanket Underdrain Aggregate station 89+00 to 91+50 was revised to 90+50 to 91+75: 98+50 to 106+00 was revised to 98+50 to 106+75, and 184+50 to 187+15 was revised to 184+00 to 186+75. The 6" APWA Blanket Underdrain location was revised to fit the field conditions of the subgrade. The total change in plan quantities is a minus 203 sq. yd.

This change results in an Increase in Line Item No. 9 of 203 X \$5.25 = \$1,065.75.

This change results in a Decrease in Line Item No. 14 of 203 X \$8.65 = (-\$1,755.95)

Line Item No. 10 – 2" APWA Type 3-01 or Type 6-01 Surface

Reason for Change:

The addition of 348 S.Y. of 2" APWA Type 3-1 surface asphalt was required at station 187 +35 to the edge of Woods Chapel Road. This provide for a better surface connection to existing roadway. Also 7 S.Y. was required where the median nose was removed and relocated at the Colbern Road EBL left turn bay. These additions were 355 S.Y. X \$7.50 = \$2,662.50.

This change results in an Increase in line Item No. 10 of \$2,662.50

Line Item No. 11 – 7" APWA Type 1-01 or Type 2-01 Base

Line Item No. 100C- Existing pavement repair @ Woods Chapel Road

Reason for Change:

A small area (3 S.Y.) in the existing base asphalt in the Woods Chapel radius station 187+45 Lt. became soft and yielding with the project material being hauled onto the project. The area was removed by Force Account and replaced with base asphalt material.

This change results in an Increase in Line Item No. 11 of 3 S. Y. X \$17.90 = \$53.70.

This addition results in an Increase in Line Item No. 100C of \$569.33.

Line Item No. 13 – 6” PVC Drain Tile (Underdrain)

Reason for Change:

Additional (341 L. F.) of 6” PVC Drain tile was placed at the low sump points of the vertical curves to drain the 6” drainable base under the fly ash subgrade.

This change results in an Increase in Line Item No. 13 of 341 L.F. X \$21.25 = \$7,246.25.

Line Item No. 15 – Sidewalk

Reason for Change:

Less sidewalk (14.5 S. Y.) was needed at the Colbern Road & Todd George Parkway intersection in order to match existing sidewalks.

This change results in a Decrease in Line Item No. 15 of 14.5 S.Y. X \$53.30 = (-\$772.85)

Line Item No. 18 – APWA Type CG-1 Curb & Gutter

Reason for Change:

Ten feet of curb and gutter was added to each of the existing curbs at Strother Road and Woods Chapel Road. This addition is to make a transition shoulder and not leave a blunt end curb for the snow plows to hit. The final field measured quantity for item No. 18 was 1, 991.5 L.F. This made an overrun of 17.5 L.F. X \$27.00 = \$472.50.

This change results in an Increase in contract cost of \$472.50.

Line Item No. 19 – Median Nose

Line Item No. 101C – Median Nose & Curb Removal, EB Turn Lane on Colbern Rd.

Reason for Change:

The new Median Nose for the EB Turn Lane of Colbern Road had to be removed and replaced in order to get the pedestrian cross walk to match the ADA ramps. The removal of the curb and median nose was done by Force Account and the median nose was replaced by Line Item No. 19.

This change results in an Increase in Line Item No. 19 of 1 X \$1,175.00.

This change results in an Increase in Line Item No. 101C of \$1,188.03.

Line Item No. 21 – 6” Rock Blanket (Rip Rap)

Reason for Change:

This revision is the result of the final measured quantities of 6” Rick Blanket (Rip Rap) for Station 95+92.5 =191 S.Y. and Station 111+41.5=138.7 S.Y. for a total of 325.7 S.Y. This is an additional 25.7 S. Y. X \$47.05 = \$1,068.04.

This change results in an Increase in Line Item No. 21 of \$1,068.04.

Line Item No. 35 - Seeding

Reason for Change:

The pipe outlet ditches (1.1 acres) was not included in the plan quantity of 30.5 acres of seeding. This project is 15,126 ft. long and the rounding of the top of cuts and toe of slopes helped increase the final field measurement quantity of seeding to 40.5 acres.

This change results in an Increase in Line Item No. 35 of $10.0 \times \$963.45 = \$9,634.50$.

Line Item No. 36- Temporary Construction Entrance

Reason for Change:

The Temporary Construction Entrance at Strother Road only took 54.4 tons and the one at Colbern Road only took 55.8 tons. This resulted in a reduction of 45.8 tons rock material.

This change results in a Decrease in Line Item No. 36 of $45.8 \times \$52.30 = (-\$2,395.34)$.

Line Item No. 37 – Silt Fence: Deleted 211 L.F. X \$1.55 = (-\$327.05)

Line Item No. 38 – MacMat N10 TRM or Approved Equal:
Deleted 1,777 S.Y. X \$6.00 = (-\$10,662.00)

Line Item No. 39 – MacMat N20 TRM or Approved Equal:
Deleted 294 S.Y. X \$7.55 = (-\$2,221.21)

Line Item No. 40 – North American Green S75 ECB or Approved Equal:
Deleted 984 S.Y. X \$1.55 = (-\$1,525.20)

Line Item No. 42 – Geo-Ridge: Deleted 172 Each X \$31.25 = (-\$5,375.00)

Line Item No. 92C – Enkamat 7010 (TRM) Restation:
Deleted 1,890.6 S.Y. X \$3.16 = (-\$5,974.30)

Line Item No. 93C – Enkamat 7020 (TRM) Restation:
Deleted 130 S.Y. X \$3.61 = (-\$469.30)

Line Item No. 97C - 6" PVC Underdrain (Perforated):
Deleted 10 L.F. X \$26.85 = (-\$268.50)

Line Item No. 98C - 6" PVC Underdrain (Solid with Flow Fill):
Deleted 30 L.F. X \$26.85 = (-\$805.50)

Reason for changes:

These items were adjusted to fit field conditions and the items were field measured for final pay quantities.

These changes result in a Decrease in contract cost of $(-\$27,628.06)$

Line Item No. 46 - Permanent Signs:

(Deleted 27S.F. & Added 10.5S.F.) = -16.5 S.F. X \$20.15 = (-\$332.48)

Line Item No. 47 – Traffic sign post: Deleted 3 Each X \$100.65 = (-\$301.95)

Line Item No. 48 – 4” White Thermoplastic Pavement Markings:

Add -51 L.F. X \$0.40 = (-\$20.40)

Line Item No. 50 – 6” White Thermoplastic Pavement Markings:

Added 4 L.F. X \$0.85 = \$ 3.40

Line Item No. 51 – 12” White Thermoplastic Pavement Markings:

Delete 3 L.F. X \$2.45 = (-\$7.35)

Line Item No. 55 – Right Turn Arrow: Added 3 Each X \$140.90 = \$422.70

Reason for Change:

These items were changed by Work Change Directive No. 4 and its attachment. Signs No. 18, 19 and 23 with post were deleted. At the Substantial Completion inspection it was agreed to add the Leinweber Road street name to the new stop sign post. The changes in pavement markings were field measured. Three right turn arrows were added to the NBL of Todd George Parkway at Woods Chapel Road.

These changes results in a Contract Decrease in contract cost of = (-\$236.08).

Line Item No. 90C – On Job Training

Reason for Changes:

The OJT Good Faith Effort approved by MoDOT on 12-22-11 is 1500 hours, which is 500 hours less than required by the contract. The rate is \$3.50 hr. X -500 = (-\$1,750.00).

This change results in a Decrease in contract cost of (\$1,750.00).

Line Item No. 99C – Colored Stamped Concrete Median Island

Reason for Change:

The colored stamped concrete was added so the median island would match the other three median islands in the Woods Chapel and Todd George Parkway intersection. The contractor gave us break down for the lump sum cost of \$3,087.75 to do this work, which was accepted.

This change results in a contract Increase in cost of \$3,087.75.

Line Item No. 102C – Fuel Adjustment (Unclassified Excavation)

Line Item No. 103C – Fuel Adjustment (Embankment)

Line Item No. 104C – Asphalt Cement APWA Type 1-01R

Line Item No. 105C – Asphalt Cement APWA Type 3-01V

Reason for Change:

These adjustments in cost were allowed for in the contract. The fuel adjustment for Unclassified Excavation is an adjusted lump sum cost of \$16,110.04. The adjusted fuel cost for the Embankment is a lump sum amount of \$10,034.14. The Asphalt Cement adjustment for APWA Type 1-01R was $\$20.00 \times 618.88 \text{ tons} = \$12,377.60$. The Asphalt Cement adjustment for APWA Type 3-01 was $\$5.00 \times 293.69 \text{ tons} = \$1,468.45$

This adjustment results in an Increase contract cost of \$39,990.23.

Line Item No. 43 – Class 4 Excavation

Change Order No. 4 showed the Total Class 4 Excavation for the box culvert at station 162+75 as 560 CY. The correct total Class 4 Excavation for this box culvert should have been 194 CY. This change reduces the Total Class 4 Excavation by $(- 366 \text{ CY} @ \$12.00 \text{ per CY}) = -\$4,392.00$

This adjustment results in a Decrease in contract cost of -\$4,392.00

Total Contract Increase for Change Order No. 9 Final (Revised) = \$26,233.30

Total Contract Increase by all Change Orders = \$301,193.60

The results in a total increase cost to the project of 6.95%