HISTORIC
FRANKLIN
TENNESSEE

# MEMORANDUM

February 1, 2010

TO: Board of Mayor and Aldermen

FROM: Eric S. Stuckey, City Administrator ESS
Ben Worley Right of Way Agent/Project Manager
Eric J. Gardner, P.E., Director of Engineering
David Parker, P.E., City Engineer

SUBJECT: State Route 96 and Royal Oaks Intersection Improvements

**Purpose**
The purpose of this memo is to recommend approval of Change Order number 1 for the SR 96/Royal Oaks Improvements Project.

**Background**
On April 28, 2009 BOMA approved the construction contract with Civil Constructors in an amount not to exceed $3,095,222.55. Currently, the project is significantly completed with only a few minor punchlist items remaining to be addressed. These items will be completed as soon as weather permits, after which a final change order will be brought to the Board to close out the contract.

At this time, the contractor has determined that there are several line items where the work has been completed that have quantities remaining. Staff has asked the contractor to prepare a change order now so that the City can have a better understanding of the savings that this project will have. This information should help the Board determine where the savings from this project can be used to fund other capital projects, such as Nichol Mill Lane.

**Financial Impact**
A DEDUCT of $900,000.00 from the construction contract with Civil Constructors.

**Recommendation**
Approval of the Change Order number 1 to reduce the allocated amount by $900,000.00 is recommended.

GRESHAM
SMITH AND
PARTNERS

*Letter of Transmittal* **Date: 1-26-2010** **GS&P Project No.:** 26080.00

**To:** Jake Stone
Civil Constructors, Inc.
425 Downs Blvd.
Franklin, Tn. 37064

**Subject:** **Royal Oaks Blvd@SR96**
**Franklin, TN**
**Change Oder #1**

☒ Attached ☐ Under Separate Cover Sent Via — Courier Hand delivered to Civil office

☐ Prints ☐ Tracings/Plots ☐ Specifications ☐ Shop Drawings ☒ Copy of Letter ☐ Samples ☐ Correspondence

| Copies | Date | Description | For Your Use | As Requested | For Review And Comment | Approved As Submitted | Approved As Noted | Not Approved Revise & Resubmit | Rejected |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1/26/10 | Change Order # 1 and supporting documents | X | | | | | | |
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☒ Approval Requested ☒ Please Sign for Approval and Return To Ben Worley City of Franklin By 1/29/10

Signed: Jerry Cato, Associate

If there are any questions regarding the above information, please contact this office.

# Change Order

**No. 1**

Date of Issuance: 1-26-2010

| | | |
|---|---|---|
| Project: **SR 96 intersection@ Royal Oaks Blvd.** | Owner: **City of Franklin** | Owner's Contract No.: **N/A** |
| Contract: **General Construction** | | Date of Contract: **4-28-2009** |
| Contractor: **Civil Constructors, Inc., 425 Downs Blvd., Franklin, Tn. 37064** | | Engineer's Project No.: **304** |

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

Description:

Credit unused Contract Sum allowance ($900,000.00) back to owner.

**Attachments (list documents supporting change):**

Copy of last pay request and list of items remaining to be completed.

**CHANGE IN CONTRACT PRICE:**

Original Contract Price:

$ 3,095,222.55

[Increase] [Decrease] from previously approved Change Orders No. N/A to No.

$ 0.00

Contract Price prior to this Change Order:

$ 3,095,222.55

[Increase] **[Decrease]** of this Change Order:

$ 900,000.00

$2,195,222.55

**CHANGE IN CONTRACT TIMES:**

Original Contract Times: ☐ Working days x **Calendar days**

Substantial completion (days or date): _____

Ready for final payment (days or date): June 1, 2010

[Increase] [Decrease] from previously approved Change Orders No. N/A to No. _____:

Substantial completion (days): _____

Ready for final payment (days): _____

Contract Times prior to this Change Order:

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

Substantial completion (days or date): _____

Ready for final payment (days or date): _____

RECOMMENDED: Gresham, Smith & Partners, CE&I

By: _____

Engineer (Authorized Signature)

Date: 1-26-2010

ACCEPTED: City of Franklin

By: _____

Owner (Authorized Signature)

Date: _____

ACCEPTED: Civil Constructors

By: _____

Contractor (Authorized Signature)

Date: 1/27/10

Approved by Funding Agency (if applicable):

_____

Date: _____

# APPLICATION FOR PAYMENT



To:
City of Franklin
109 3rd Ave South
P.O Box 305
Franklin, TN 37065

PROJECT:
9015
SR96 & ROYAL OAKS BLVD.
INTERSECTION IMPROVEMENTS

| Application No.: | Application Date: | Period To: | Contract Date: |
|---|---|---|---|
| 3 | DEC 30,2009 | DEC 30,2009 | AUG 3,2009 |

Project Nos:

Distribution List: ☒ Owner ☒ Architect ☐ Contractor ☐ Construction Mgr ☐ Field ☐ Other

From Contractor:
Civil Constructors, Inc.
P.O. Box 685
Franklin, TN 37065

VIA ARCHITECT:
GRESHAM, SMITH & ASC
1400 NASHVILLE CITY CENTER
511 UNION STREET
NASHVILLE, TN 37219

CONTRACT FOR: SR96 & ROYAL OAKS BLVD INTERSECTION IMPROVEMENTS

## Contractor's Application for Payment

Application is made for payment as shown below, with attached Continuation Sheet.

1. Original Contract Amount: $ 3,095,222.55
2. Net of Change Orders: $ 0.00
3. Net Amount of Contract: $ 3,095,222.55
4. Total Completed & Stored to Date: $ 2,048,391.93
5. Retainage Summary:
   a. 5.00 % of Completed Work $ 102,419.59
   b. 5.00 % of Stored Material $ 0.00
   Total Retainage: $ 102,419.59
6. Total Completed Less Retainage: $ 1,945,972.34
7. Less Previous Applications: $ 830,871.28
8. Current Payment Due, This Application: $ 1,115,101.06
9. Contract Balance (Including Retainage): $ 1,149,250.21

| CHANGE ORDER Activity | Additions | Subtractions |
|---|---|---|
| Total previously approved: | 0.00 | 0.00 |
| Total approved this Month: | 0.00 | 0.00 |
| Sub Totals: | 0.00 | 0.00 |
| NET of Change Orders: | 0.00 | |

### CONTRACTOR'S CERTIFICATION:

The Contractor's signature here certifies that, to the best of their knowledge, this document accurately reflects the work completed in this Application for Payment. The Contractor also certifies that all payments have been made for work on previous Applications for Payment and also that the Current Payment is Due.

(Authorizing Signature) _____
Civil Constructors
Date: DEC 30,2009
State Authorized: Tennessee
County of: Williamson

Subscribed and sworn to before me this 30th day of December
Notary Public: _____
My Commission expires: 5-8-13

TERESA WADDELL NOTARY PUBLIC STATE OF TENNESSEE WILLIAMSON COUNTY

### ARCHITECT'S CERTIFICATION:

The Architect's signature here certifies that, based on their own observations, the Contract Documents and the information contained herein, this document accurately reflects the work completed in this Application for Payment. The Architect also certifies the Contractor is entitled to the amount certified for payment.

AMOUNT CERTIFIED:

_____ Date: _____
(Architects Signature)

Software by: Pain Software Systems, Inc. Copyright 1990 ©

# APPLICATION FOR PAYMENT - CONTINUATION SHEET

CAP703



From:
Civil Constructors, Inc.
P.O. Box 685
Franklin, TN 37065

To:
City of Franklin
109 3rd Ave South
P.O Box 305
Franklin, TN 37065

Project:
9015
SR96 & ROYAL OAKS BLVD.
INTERSECTION IMPROVEMENTS

Application No: 3
Application Date: 12/30/2009
Period To: 12/30/2009
Contract Date: 8/03/2009
Architects Project#:

| A | B | C | D | E | F | G | | H | I |
|---|---|---|---|---|---|---|---|---|---|
| | | | Work Completed | | | | | | |
| Item No | Description of Work | Contract Value | From Previous Application (D + E) | This Period | Materials Presently Stored (Not In D or E) | Total Completed and Stored To Date (D+E+F) | % (G / C) | Balance To Finish (C - G) | Retainage (If Variable Rate) |
| 1 | BASE BID | 3,095,222.55 | 874,601.34 | 1,173,790.59 | 0.00 | 2,048,391.93 | 66 | 1,046,830.62 | 102,419.59 |
| | | 3,095,222.55 | 874,601.34 | 1,173,790.59 | 0.00 | 2,048,391.93 | 66 | 1,046,830.62 | 102,419.59 |

Software by: PEM Software Systems, Inc. 1-800-883-1315 Copyright 2007 ©

CIVIL CONSTRUCTORS
425 Downs Blvd.
Franklin, TN 37064
P. 615.236.9000
F. 615.236.9001

# PROJECT ESTIMATE

Project: SR96 & Royal Oaks Blvd.
Estimate #: 3

Date: 12.15.09
Estimate Period: 9.01 - 11.30.09
Project No.:
Location: Franklin, TN
Civil Job #: 9015

CONTRACT AMOUNT: $2,445,648.35

| Pay Item | Pay Item Description | Quantity | Unit | Current Quantity | Previous Quantity | To-Date Quantity | Unit Price | To-Date Amount |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| 105-01 | Construction Stakes, Lines & Grades | 1.000 | L.S. | 0.30 | 0.70 | 1.00 | $ 18,500.00 | $ 18,500.00 |
| 201-01 | CLEARING AND GRUBBING | 1.000 | L.S. | 0.20 | 0.80 | 1.00 | $ 43,860.00 | $ 43,860.00 |
| 202-01 | Removal of Structures & Obstructions | 1.000 | L.S. | - | 1.00 | 1.00 | $ 2,290.00 | $ 2,290.00 |
| 202-01.01 | Removal of Strs & Obstrns (Exist Ret \ | 1.000 | L.S. | - | 1.00 | 1.00 | $ 3,550.00 | $ 3,550.00 |
| 202-01.50 | Removal of Strs & Obstrns (McDs Sign | 1.000 | L.S. | - | 1.00 | 1.00 | $ 1,890.00 | $ 1,890.00 |
| 202-01.51 | Removal of Strs & Obstrns (McDs Sign | 1.000 | L.S. | - | 1.00 | 1.00 | $ 580.00 | $ 580.00 |
| 203-01 | ROAD AND DRAINAGE EXCAVATION | 11,653.000 | C.Y. | 1,781.00 | 2,915.50 | 4,696.50 | $ 15.50 | $ 72,795.75 |
| 203-04 | Placing and Spreading Topsoil | 158.000 | C.Y. | - | 622.00 | 622.00 | $ 12.00 | $ 7,464.00 |
| 203-05 | UNDERCUTTING (SHOT ROCK BACK | 200.000 | C.Y. | - | - | - | $ 45.00 | $ - |
| 203-06 | WATER | 643.000 | M.G. | - | - | - | $ 6.00 | $ - |
| 203-07 | Furnishing and Spreading Topsoil | 2,842.000 | C.Y. | 81.00 | 551.00 | 632.00 | $ 12.00 | $ 7,584.00 |
| 204-06 | Early Strength Flowable Fill | 750.000 | C.Y. | 30.00 | 109.00 | 139.00 | $ 60.00 | $ 8,340.00 |
| 204-07 | BEDDING MATERIAL (PIPE) CLASS I | 520.000 | C.Y. | 107.90 | 289.90 | 397.80 | $ 38.00 | $ 15,116.40 |
| 206-01 | Final Dressing | 8.000 | STA. | 8.00 | - | 8.00 | $ 7,500.00 | $ 60,000.00 |
| 209-05 | SEDIMENT REMOVAL | 250.000 | C.Y. | 1.00 | - | 1.00 | $ 2.50 | $ 2.50 |
| 209-06.04 | Excelsior Sediment Log | 1,250.000 | L.F. | - | 130.00 | 130.00 | $ 3.60 | $ 468.00 |
| 209-08.02 | TEMPORARY SILT FENCE (WITH BA | 1,250.000 | L.F. | - | 550.00 | 550.00 | $ 4.45 | $ 2,447.50 |
| 209-20.03 | POLYETHYLENE SHEETING (6 MIL M | 135.000 | S.Y. | - | - | - | $ 2.60 | $ - |
| 209-40.46 | CATCH BASIN FILTER ASSEMBLY(T | 22.000 | EACH | - | - | - | $ 670.00 | $ - |
| 209-40.48 | CATCH BASIN FILTER ASSEMBLY(T | 5.000 | EACH | - | - | - | $ 670.00 | $ - |
| 303-01 | MINERAL AGGREGATE, TYPE A, GR | 6,829.000 | TON | 2,001.02 | 3,624.27 | 5,625.29 | $ 18.50 | $ 104,067.87 |
| 303-10.01 | MINERAL AGGREGATE (SIZE 57) | 300.000 | TON | - | 87.66 | 87.66 | $ 26.90 | $ 2,358.05 |
| 307-03.01 | PERF GRADE (PG76-22) (BPMB-HM) | 3,150.000 | TON | 736.62 | 249.74 | 986.36 | $ 82.60 | $ 81,473.34 |
| 307-03.08 | PERF GRADE (PG76-22)(BPMB-HM,C | 2,252.000 | TON | 1,294.72 | 479.24 | 1,773.96 | $ 89.70 | $ 159,124.21 |
| 402-01 | BITUMINOUS MATERIAL FOR PRIME | 20.000 | TON | - | - | - | $ 650.00 | $ - |
| 402-02 | AGGREGATE FOR COVER MATERIA | 79.000 | TON | - | - | - | $ 28.00 | $ - |
| 403-01 | BITUMINOUS MATERIAL FOR TACK | 4.000 | TON | - | - | - | $ 615.00 | $ - |
| 407-20.05 | SAW CUTTING ASPHALT PAVEMENT | 1,325.000 | L.F. | 955.00 | 1,372.00 | 2,327.00 | $ 5.00 | $ 11,635.00 |
| 411-03.10 | ACS MIX (PG76-22) GRADING D | 1,493.000 | TON | 1,644.10 | 63.77 | 1,707.87 | $ 98.60 | $ 168,395.98 |
| 415-01.02 | COLD PLANING BITUMINOUS PVMT | 8,517.000 | S.Y. | 16,695.60 | - | 16,695.60 | $ 2.10 | $ 35,060.76 |
| 604-08.10 | RETAINING WALL (STA 103+72 to 10 | 1.000 | L.S. | - | - | - | $ 143,740.00 | $ - |
| 607-03.02 | 18 INCH CONCRETE PIPE CULVERT | 1,556.000 | L.F. | 491.00 | 1,147.00 | 1,638.00 | $ 43.90 | $ 71,908.20 |
| 607-03.022 | 18" RCP CLASS III (FLOWABLE FILL | 137.000 | L.F. | - | 144.00 | 144.00 | $ 82.20 | $ 11,836.80 |
| 607-05.02 | 24" Concrete Pipe Culvert (CL III) | 145.000 | L.F. | 16.00 | - | 16.00 | $ 56.20 | $ 899.20 |
| 607-05.02A | 24" RCP CLASS III (FLOWABLE FILL | 84.000 | L.F. | - | 59.00 | 59.00 | $ 112.00 | $ 6,608.00 |
| 607-07.02 | 36" Concrete Pipe Culvert (Class 3) | 42.000 | L.F. | - | 42.00 | 42.00 | $ 80.70 | $ 3,389.40 |
| 607-07.022A | 36" RCP CLASS III (FLOWABLE FILL | 141.000 | L.F. | - | - | - | $ 204.00 | $ - |
| 607-39.03 | 24" PIPE CULVERT (SIDE DRAIN) | 145.000 | L.F. | - | 84.00 | 84.00 | $ 43.10 | $ 3,620.40 |
| 608-35.01 | 8" DIP CL350, COMPLETE IN PLACE | 435.000 | L.F. | 21.00 | 572.00 | 593.00 | $ 70.00 | $ 41,510.00 |
| 608-35.02 | 16" DIP CL350, COMPLETE IN PLACE | 774.000 | L.F. | 51.00 | 314.00 | 365.00 | $ 125.00 | $ 45,625.00 |
| 608-36.03 | FIRE HYDRANT, COMPLETE IN PLAC | 2.000 | EACH | - | 2.00 | 2.00 | $ 4,500.00 | $ 9,000.00 |
| 611-01.03 | MANHOLES, >8'-12' DEPTH | 2.000 | EACH | - | - | - | $ 4,500.00 | $ - |
| 611-01.20 | ADJUSTMENT OF EXISTING MANHO | 4.000 | EACH | 4.00 | - | 4.00 | $ 420.00 | $ 1,680.00 |
| 611-01.21 | REWORK MANHOLE (SPRAY ROCK | 4.000 | EACH | - | - | - | $ 1,570.00 | $ - |
| 611-07.01 | Class A Concrete (Pipe Endwalls) | 3.000 | C.Y. | - | 3.00 | 3.00 | $ 875.00 | $ 2,625.00 |
| 611-07.02 | Steel Bar Reinforcement (Pipe Endwalls | 292.000 | LBS. | - | 292.00 | 292.00 | $ 2.80 | $ 817.60 |
| 611-07.03 | Structural Steel (Pipe Endwalls) | 405.000 | LBS | 405.00 | - | 405.00 | $ 1.25 | $ 506.25 |
| 611-09.02 | REWORK EXIST DRAINAGE STR (ST | 1.000 | EACH | 1.00 | - | 1.00 | $ 2,500.00 | $ 2,500.00 |
| 611-12.02 | Catch Basins, Type 12, >4-8' Depth | 19.000 | EACH | 1.00 | 14.00 | 15.00 | $ 2,050.00 | $ 30,750.00 |
| 611-13.02 | CATCH BASINS, TYPE 13, > 4'-8' DEP | 4.000 | EACH | 1.00 | 1.00 | 2.00 | $ 2,240.00 | $ 4,480.00 |
| 611-16.02 | CATCH BASINS,TY 16,> 4'-8' DEPTH | 5.000 | EACH | 2.00 | 3.00 | 5.00 | $ 3,615.00 | $ 18,075.00 |
| 701-01.01 | CONCRETE SIDEWALK (4") | 9,200.000 | S.F. | 8,642.00 | 2,068.00 | 10,710.00 | $ 4.90 | $ 52,479.00 |
| 701-02.02 | CONCRETE DRIVEWAY (8") | 2,500.000 | S.F. | 1,948.00 | 972.00 | 2,920.00 | $ 6.65 | $ 19,418.00 |
| 701-02.03 | CONC SW (RETRO FIT EXIST SW W/ | 2.000 | EACH | 3.00 | - | 3.00 | $ 2,000.00 | $ 6,000.00 |
| 701-99.91 | RAISED CONC MEDIAN (3991SF + 6- | 1.000 | L.S. | 1.00 | - | 1.00 | $ 35,990.00 | $ 35,990.00 |
| 701-99.92 | RAISED SOD MEDIAN (1120SF + 6-3 | 1.000 | L.S. | 1.00 | - | 1.00 | $ 3,800.00 | $ 3,800.00 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 702-01.01 | EXTRUDED MOUNTABLE CURB | 2,700.000 | L.F. | - | 820.00 | 820.00 | $ | 4.15 | $ | 3,403.00 |
| 702-03 | CONCRETE COMBINED CURB AND ( | 225.000 | C.Y. | 69.95 | 101.50 | 171.45 | $ | 160.00 | $ | 27,432.00 |
| 708-02.01 | MARKERS (CONCRETE R.O.W. POS | 5.000 | EACH | - | - | - | $ | 250.00 | $ | - |
| 710-02 | Aggregate Underdrains w/ Pipe | 1,270.000 | L.F. | - | - | - | $ | 4.45 | $ | - |
| 712-01 | TRAFFIC CONTROL | 1.000 | L.S. | 0.35 | 0.65 | 1.00 | $ | 111,625.00 | $ | 111,625.00 |
| 712-02.02 | Interconnected Portable Barrier Wall | 3,400.000 | L.F. | - | 175.00 | 175.00 | $ | 18.50 | $ | 3,237.50 |
| 712-04.01 | FLEXIBLE DRUMS (CHANNELIZING) | 250.000 | EACH | - | 166.00 | 166.00 | $ | 45.00 | $ | 7,470.00 |
| 712-05.01 | Warning Lights (Type A) | 4.000 | EACH | - | 4.00 | 4.00 | $ | 70.00 | $ | 280.00 |
| 712-06.01 | Vertical Panels | 680.000 | S.F. | - | - | - | $ | 13.00 | $ | - |
| 712-06.10 | NEW SIGNS (CONSTRUCTION) | 483.000 | S.F. | - | 335.00 | 335.00 | $ | 10.80 | $ | 3,618.00 |
| 712-06.11 | Construction Identification Signs | 2.000 | EACH | - | - | - | $ | 850.00 | $ | - |
| 712-07.03 | TEMPORARY BARRICADES (TYPE II | 60.000 | L.F. | - | 24.00 | 24.00 | $ | 14.30 | $ | 343.20 |
| 712-99-92 | SAND BARREL IMPACT ATTENUATO | 20.000 | EACH | - | - | - | $ | 4,000.00 | $ | - |
| 713-15 | REMOVAL OF SIGNS POSTS AND F | 1.000 | L.S. | - | - | - | $ | 455.00 | $ | - |
| 713-16.01 | CHANGEABLE MESSAGE SIGN UNIT | 2.000 | EACH | - | 2.00 | 2.00 | $ | 18,710.00 | $ | 37,420.00 |
| 713-16.20 | Signs (R10-3E, 10"X15") | 8.000 | EACH | 8.00 | - | 8.00 | $ | 51.00 | $ | 408.00 |
| 713-16.21 | SIGNS (R10-10, 24"X30") | 8.000 | EACH | 8.00 | - | 8.00 | $ | 155.00 | $ | 1,240.00 |
| 713-16.22 | SIGNS (INTERNALLY ILLUMINATED ( | 6.000 | EACH | 6.00 | - | 6.00 | $ | 4,015.00 | $ | 24,090.00 |
| 713-16.23 | SIGNS (R3-4 NO U TURN) | 2.000 | EACH | - | - | - | $ | 215.00 | $ | - |
| 713-16.24 | SIGNS (R3-7 RIGHT LANE MUST TUR | 4.000 | EACH | - | - | - | $ | 235.00 | $ | - |
| 713-16.25 | SIGNS (R4-7 KEEP RIGHT) | 2.000 | EACH | - | - | - | $ | 230.00 | $ | - |
| 713-16.26 | SIGNS (R6-1 ONE WAY ARROW) | 2.000 | EACH | - | - | - | $ | 215.00 | $ | - |
| 713-16.27 | SIGNS (R12-3 TRUCKS OVER 10000 | 1.000 | EACH | - | - | - | $ | 240.00 | $ | - |
| 713-16.28 | SIGNS (R14-5 NO LARGE TRUCKS) | 1.000 | EACH | - | - | - | $ | 50.00 | $ | - |
| 713-16.29 | SIGNS (R3-5F RIGHT 2 LANES) | 2.000 | EACH | - | - | - | $ | 40.00 | $ | - |
| 713-16.30 | Signs (R1-1, 30"x30") | 2.000 | EACH | - | - | - | $ | 230.00 | $ | - |
| 714-09.04 | LUMINAIRES (400 WATT) | 4.000 | EACH | 4.00 | - | 4.00 | $ | 412.00 | $ | 1,648.00 |
| 716-02.01 | PLASTIC PAVEMENT MARKING (4" L | 3.500 | L.M. | 2.24 | - | 2.24 | $ | 4,500.00 | $ | 10,080.00 |
| 716-02.04 | PLASTIC PVMNT MARKING-CHANNE | 160.000 | S.Y. | 25.11 | - | 25.11 | $ | 30.00 | $ | 753.30 |
| 716-02.05 | PLASTIC PAVEMENT MARKING (STC | 350.000 | L.F. | 312.00 | - | 312.00 | $ | 14.00 | $ | 4,368.00 |
| 716-02.06 | PLASTIC PAVEMENT MARKING (TUR | 31.000 | EACH | 32.00 | - | 32.00 | $ | 200.00 | $ | 6,400.00 |
| 716-02.09 | PLASTIC PAVEMENT MARKING (LON | 440.000 | L.F. | 440.00 | - | 440.00 | $ | 35.00 | $ | 15,400.00 |
| 716-02.11 | PLASTIC PAVEMENT MARKING (6" D | 625.000 | L.F. | 238.00 | - | 238.00 | $ | 2.00 | $ | 476.00 |
| 716-02.15 | PLASTIC PVMT MARKING (STRAIGH | 4.000 | EACH | 4.00 | - | 4.00 | $ | 250.00 | $ | 1,000.00 |
| 716-02.16 | PLASTIC PVMT MARKING (ONLY) | 9.000 | EACH | 9.00 | - | 9.00 | $ | 350.00 | $ | 3,150.00 |
| 716-02.17 | PLASTIC PVMT MARKING (STRAIGH | 11.000 | EACH | 4.00 | - | 4.00 | $ | 200.00 | $ | 800.00 |
| 716-05.08 | PAINTED PAVEMENT MARKING (4" T | 1,200.000 | L.F. | - | - | - | $ | 1.00 | $ | - |
| 717-01 | MOBILIZATION | 1.000 | L.S. | - | 1.00 | 1.00 | $ | 42,500.00 | $ | 42,500.00 |
| 730-01.02 | REMOVE SIGNAL EQUIPMENT | 1.000 | EACH | 1.00 | - | 1.00 | $ | 2,374.00 | $ | 2,374.00 |
| 730-02.09 | SIGNAL HEAD ASSEMBLY (130W) | 11.000 | EACH | 11.00 | - | 11.00 | $ | 909.00 | $ | 9,999.00 |
| 730-02.10 | SIGNAL HEAD ASSEMBLY (130 A2) | 8.000 | EACH | 8.00 | - | 8.00 | $ | 812.00 | $ | 6,496.00 |
| 730-02.17 | SIGNAL HEAD ASSEMBLY (150 A2H( | 3.000 | EACH | 3.00 | - | 3.00 | $ | 1,459.00 | $ | 4,377.00 |
| 730-02.18 | SIGNAL HEAD ASSEMBLY (150-A2V) | 2.000 | EACH | 2.00 | - | 2.00 | $ | 1,155.00 | $ | 2,310.00 |
| 730-03.21 | INSTALL PULL BOX (TYPE B) | 16.000 | EACH | 16.00 | - | 16.00 | $ | 308.00 | $ | 4,928.00 |
| 730-03.23 | INSTALL PULL BX (FB OPTIC-TY A) ( | 5.000 | EACH | 2.00 | - | 2.00 | $ | 1,078.00 | $ | 2,156.00 |
| 730-03.24 | INSTALL PULL BX (FB OPTIC-TY B) | 1.000 | EACH | 1.00 | - | 1.00 | $ | 1,333.00 | $ | 1,333.00 |
| 730-05.01 | ELECTRIC SERVICE CONNECTION | 1.000 | EACH | 1.00 | - | 1.00 | $ | 2,771.00 | $ | 2,771.00 |
| 730-05.03 | SERVICE CABLE (2 CONND, 6 AGW) | 100.000 | L.F. | 50.00 | - | 50.00 | $ | 1.60 | $ | 80.00 |
| 730-05.04 | SERVICE CABLE (LIGHTING, AC) | 1,200.000 | L.F. | 1,800.00 | - | 1,800.00 | $ | 0.60 | $ | 1,080.00 |
| 730-08.01 | SIGNAL CABLE - 3 CONDUCTOR | 3,420.000 | L.F. | 3,425.00 | - | 3,425.00 | $ | 0.95 | $ | 3,253.75 |
| 730-08.02 | SIGNAL CABLE - 5 CONDUCTOR | 2,150.000 | L.F. | 1,950.00 | - | 1,950.00 | $ | 1.00 | $ | 1,950.00 |
| 730-08.03 | SIGNAL CABLE - 7 CONDUCTOR | 3,260.000 | L.F. | 4,130.00 | - | 4,130.00 | $ | 1.20 | $ | 4,956.00 |
| 730-08.10 | SIGNAL CABLE - (9 CONDUCTOR) | 775.000 | L.F. | 730.00 | - | 730.00 | $ | 1.50 | $ | 1,095.00 |
| 730-08.30 | INTERCONNECT CABLE (COPPER T | 850.000 | L.F. | 250.00 | - | 250.00 | $ | 2.10 | $ | 525.00 |
| 730-08.32 | INTERCONNECT CABLE | 1,100.000 | L.F. | - | - | - | $ | 0.15 | $ | - |
| 730-08.40 | INTRCNNCT CBL-FIBER OPTIC(6 CH | 100.000 | L.F. | - | - | - | $ | 1.20 | $ | - |
| 730-08.41 | INTRCNNCT CABLE-FIBER OPTIC(12 | 650.000 | L.F. | 950.00 | - | 950.00 | $ | 1.30 | $ | 1,235.00 |
| 730-11.10 | RISER ASSEMBLY | 2.000 | EACH | 2.00 | - | 2.00 | $ | 349.00 | $ | 698.00 |
| 730-12.01 | CONDUIT 1 INCH DIAMETER | 150.000 | L.F. | 30.00 | - | 30.00 | $ | 5.40 | $ | 162.00 |
| 730-12.02 | CONDUIT 2 INCH DIAMETER | 700.000 | L.F. | 450.00 | 310.00 | 760.00 | $ | 6.70 | $ | 5,092.00 |
| 730-12.03 | CONDUIT 3" DIAMETER (INCL 700' F | 2,600.000 | L.F. | 800.00 | 2,260.00 | 3,060.00 | $ | 7.10 | $ | 21,726.00 |
| 730-13.03 | VEHICLE LOOP DETECTOR (4 CHAN | 8.000 | EACH | 9.00 | - | 9.00 | $ | 361.00 | $ | 3,249.00 |
| 730-13.06 | VEHICLE LOOP DETECTOR (OPTICA | 4.000 | EACH | 4.00 | - | 4.00 | $ | 2,042.00 | $ | 8,168.00 |
| 730-14.01 | SHIELDED DETECTOR CABLE | 11,000.000 | L.F. | 11,655.00 | - | 11,655.00 | $ | 0.75 | $ | 8,741.25 |
| 730-14.02 | SAW SLOT (INCL 400' FOR CENTER | 2,900.000 | L.F. | 4,055.00 | - | 4,055.00 | $ | 4.10 | $ | 16,625.50 |
| 730-14.03 | LOOP WIRE (INCL 800' FOR CENTER | 7,800.000 | L.F. | 12,087.00 | - | 12,087.00 | $ | 0.60 | $ | 7,252.20 |
| 730-14.04 | DETECTOR CABLE MODEL 139 | 1,350.000 | L.F. | 1,310.00 | - | 1,310.00 | $ | 0.70 | $ | 917.00 |
| 730-15.32 | CABINET (EIGHT PHASE BASE MOU | 1.000 | EACH | 1.00 | - | 1.00 | $ | 16,393.00 | $ | 16,393.00 |
| 730-16.02 | EIGHT PHASE ACTUATED CONTROI | 1.000 | EACH | 1.00 | - | 1.00 | $ | 2,904.00 | $ | 2,904.00 |
| 730-23.30 | PEDESTAL POLE | 5.000 | EACH | 5.00 | - | 5.00 | $ | 1,225.00 | $ | 6,125.00 |
| 730-23.96 | CNTLV SGNL SUPORT (65'SIGN M.A | 1.000 | EACH | 1.00 | - | 1.00 | $ | 21,845.00 | $ | 21,845.00 |
| 730-23.97 | CNTLV SGNL SPP(70' W/ 20' LUM AF | 1.000 | EACH | 1.00 | - | 1.00 | $ | 22,259.00 | $ | 22,259.00 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 730-23.98 | CANTILEVER SIGNAL SUPPORT (80' | 1.000 | EACH | 1.00 | - | 1.00 | $ | 24,983.00 | $ | 24,983.00 |
| 730-23.99 | CANTILEVER SIGNAL SUPPORT (85' | 1.000 | EACH | 1.00 | - | 1.00 | $ | 25,945.00 | $ | 25,945.00 |
| 730-26.03 | COUNTDOWN PED SIGNAL HEAD & | 8.000 | EACH | 8.00 | - | 8.00 | $ | 799.00 | $ | 6,392.00 |
| 730-35.06 | BATTERY BACK-UP | 1.000 | EACH | 1.00 | - | 1.00 | $ | 1,368.00 | $ | 1,368.00 |
| 730-40 | TEMPORARY TRAFFIC SIGNAL SYS | 1.000 | EACH | - | - | - | $ | 23,930.00 | $ | - |
| 740-10.03 | Geotextile (Type III) (Erosion Control) | 870.000 | S.Y. | - | - | - | $ | 3.00 | $ | - |
| 775-08.71 | 1" Water Service Line | 100.000 | L.F. | - | 228.00 | 228.00 | $ | 30.00 | $ | 6,840.00 |
| 775-08.72 | 2" WATER SERVICE LINE, COMPLET | 25.000 | L.F. | - | 25.00 | 25.00 | $ | 70.00 | $ | 1,750.00 |
| 775-10.79 | 8"X8" TEE, COMPLETE IN PLACE | 1.000 | EACH | - | 1.00 | 1.00 | $ | 415.00 | $ | 415.00 |
| 775-10.81 | 16"X16" CROSS, COMPLETE IN PLA | 1.000 | EACH | - | 1.00 | 1.00 | $ | 2,050.00 | $ | 2,050.00 |
| 777-50.50 | 8"X6" TEE, COMPLETE IN PLACE | 2.000 | EACH | - | 3.00 | 3.00 | $ | 395.00 | $ | 1,185.00 |
| 777-50.51 | 8" GATE VALVE (W/ MJ LUGS, COM | 3.000 | EACH | - | 3.00 | 3.00 | $ | 1,325.00 | $ | 3,975.00 |
| 777-50.52 | 16" MJ LONG SOLID SLEEVE W/ MJ | 3.000 | EACH | 3.00 | - | 3.00 | $ | 795.00 | $ | 2,385.00 |
| 777-50.53 | 16" Butterfly Valve w/ MJ Lugs & Box | 2.000 | EACH | - | 1.00 | 1.00 | $ | 3,580.00 | $ | 3,580.00 |
| 801-01.07 | TEMPORARY SEEDING (WITH MULC | 216.000 | UNIT | 25.00 | - | 25.00 | $ | 25.00 | $ | 625.00 |
| 801-03 | WATER (SEEDING AND SODDING) | 62.000 | M.G. | 11.00 | - | 11.00 | $ | 10.00 | $ | 110.00 |
| 803-01 | SODDING (NEW SOD) | 6,500.000 | S.Y. | 1,300.00 | 2,150.00 | 3,450.00 | $ | 2.90 | $ | 10,005.00 |
| 804-01 | ANTIQUED COLONIAL PAVERS | 250.000 | S.F. | 135.00 | - | 135.00 | $ | 18.60 | $ | 2,511.00 |
| 920-10 | 10" SANITARY SEWER (PIPE BURST | 542.000 | L.F. | 370.20 | - | 370.20 | $ | 106.00 | $ | 39,241.20 |
| 920-10.04 | DAMPENING DEVICE | 4.000 | EACH | 4.00 | - | 4.00 | $ | 890.00 | $ | 3,560.00 |
| 920-10.05 | GATOR PATCH & SPLICE | 1.000 | L.S. | 1.00 | - | 1.00 | $ | 680.00 | $ | 680.00 |
| 920-10.06 | FIBER OPTIC SPLICING | 1.000 | L.S. | 1.00 | - | 1.00 | $ | 4,200.00 | $ | 4,200.00 |
| 920-11.04 | UTILITY MANHOLE (4'X4'X4' SQUAR | 1.000 | EACH | 1.00 | - | 1.00 | $ | 5,500.00 | $ | 5,500.00 |
| 920-11.05 | ROADWAY CONT ALLOW | 1.000 | L.S. | 0.318785 | - | 0.32 | $ | 200,000.00 | $ | 63,757.00 |
| 920-12 | PREGAST CONCRETE CAP STONE | 243.000 | L.F. | - | 243.00 | 243.00 | $ | 33.00 | $ | 8,019.00 |
| 920-12.04 | NEW CONCRETE WHEEL STOP (TR | 6.000 | EACH | - | - | - | $ | 48.20 | $ | - |
| 920-12.05 | WATER & SEWER CONT ALLOW | 1.000 | L.S. | 0.2111500 | - | 0.21 | $ | 100,000.00 | $ | 21,115.00 |
| 920-13.04 | WATER LINE/ UTILITY CONFLICT (D | 6.000 | EACH | - | - | - | $ | 5,300.00 | $ | - |
| 920-14.04 | Irrigation System Repair & Replacemc | 1.000 | L.S. | - | 1.00 | 1.00 | $ | 670.00 | $ | 670.00 |
| 920-15.04 | EXIST CONC WHEEL STOP (REMOV | 8.000 | EACH | 8.00 | - | 8.00 | $ | 35.00 | $ | 280.00 |
| 920-16.04 | Relocate/Reconnect & Energize Parkir | 1.000 | L.S. | - | 1.00 | 1.00 | $ | 2,050.00 | $ | 2,050.00 |
| 920-17-04 | Rubber Speed Bumps | 9.000 | EACH | - | - | - | $ | 390.00 | $ | - |
| 924-08.11A1 | RETAINING WALL (STA 103+72 to 10 | 1.000 | L.S. | - | 1.00 | 1.00 | $ | 124,461.81 | $ | 124,461.81 |
| 924-08.12 | RETAINING WALL (STA 103+72 to 10 | 1.000 | L.S. | - | - | - | $ | - | $ | - |

| | | Current | Previous | TOTAL |
|---|---|---|---|---|
| TOTALS | | $ 1,173,790.59 | $ 874,601.33 | $ 2,048,391.92 |
| Less | | | | |
| Retainage | 5.00% | $ 58,689.53 | $ 43,730.07 | $ 102,419.60 |
| Bond | 0.00% | $ - | $ - | $ - |
| TRBA | 0.00% | $ - | $ - | $ - |
| SUB-TOTAL | | $ 1,115,101.06 | $ 830,871.27 | $ 1,945,972.32 |
| Less Previous Payments | | | | $ 830,871.27 |
| AMOUNT DUE | | $ 1,115,101.06 | | $ 1,115,101.06 |

GRESHAM
SMITH AND
PARTNERS

January 26, 2010

**Royal Oaks @SR SR 96**
GS&P Project No. 26080.00

**Items Remaining to be Completed:**

The project is near completion and there has been a punch list given to the contactor. However due to weather limitations some items will not be able to be completed until spring. Below is a list of known items remaining to be paid and/or completed.

| | | Remaining | | |
|---|---|---|---|---|
| 920-10 | 10" Sanitary Sewer (Pipe Bursting) | 171.80.0 LF | @ $106.00 | = $18,210.80 |
| 920-17.04 | Rubber speed bumps | 9 ea | @ $390.00 | = $ 3,510.00 |
| | Misc. Pavement Markings | | estimated @= | $ 5,000.00 |
| 713-16.30 | Signs (R1-1, 30"x30") | 2 ea | @ $230.00 | = $ 460.00 |
| 708-02.01 | Markers (Concrete R.O.W. post) | 5 ea | @ $250.00 | = $1,250.00 |
| | | | | $28,430.80 |

**This is a list of known items, however there could be others arise prior to final completion.**

Prepared by: Jerry Cato

Design Services For The Built Environment

1400 Nashville City Center / 511 Union Street / Nashville, Tennessee 37219-1733 / Phone 615.770.8100 / www.gspnet.com