

**RESOLUTION #16-155**

**RESOLUTION AUTHORIZING CHANGE ORDER NO. 1 FOR  
THE 2016 LOCAL ROADS RESURFACING PROJECT**

**WHEREAS**, the City of Woodbury entered into a contract with American Asphalt Co., Inc. for the 2016 Local Roads Resurfacing Project; and

**WHEREAS**, Change Order No. 1 is required to increase the contract amount to include the extra work for installation of a Petrotac membrane along Franklin Street as directed by the Engineer, and as set forth in the attached Change Order No. 1; and

**WHEREAS**, such additions have been reviewed and approved by the City Engineer; and

**WHEREAS**, the attached itemized additions result in a net increase of \$21,146.40 to the original price of \$399,497.60 for a total contract price with Change Order No. 1 of \$420,644.00 resulting in an overall increase in the original contract price of 5.29%.

**NOW, THEREFORE, BE IT RESOLVED** by the Mayor and City Council of the City of Woodbury that the Mayor is hereby authorized to execute the attached Change Order No. 1 to the contract with American Asphalt Co., Inc. for the 2016 Local Roads Resurfacing Project.

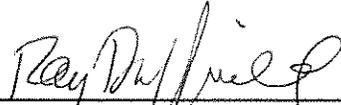
**ADOPTED** at a regular meeting of the Mayor and City Council of the City of Woodbury held on November 22, 2016.

**CITY OF WOODBURY**

By: \_\_\_\_\_

  
**DAVID TROVATO,**  
**President of Council**

**ATTEST:**

  
\_\_\_\_\_  
Roy A. Duffield, City Clerk



16-155

# CONTRACT CHANGE ORDER

## Administrative Data and Summary of Changes

No: 1

Date of Issuance: 11/22/2016

PROJECT: 2016 Local Roads Resurfacing

FOR: Extra Work for Installation of  
Grinder Pump Station

OWNER: City of Woodbury  
33 Delaware Street  
Woodbury, NJ 08096  
(856)845-1300

NJDOT Project No.: N/A

CONTRACTOR: American Asphalt Co., Inc.  
116 Main Street  
W. Collingswood Hgts., NJ 08059  
(856) 456-2899

ENGINEER: Federici & Akin, P.A.  
307 Greentree Road  
Sewell, NJ 08080  
(856)589-1400

CONTRACT FOR: Milling and Overlay

ENGINEER's Project No.: 15178

*In accordance with the terms of the Contract, the following changes are made in the Construction Documents.*

Description:

Franklin Street is a concrete-slab roadway constructed many decades ago. The slabs consist of concrete with a very large percentage of small and medium size river rock added as an aggregate to the cement and are at least 8" thick. The joints between the slabs are perpendicular to the curbs and up to 1" wide. The road has never been resurfaced. There are numerous cracks at the corners of the slabs as well as many patches made after repairs were made to underground utilities. There are also large cracks through the middle portion of the slabs, running both parallel to the curb and transverse. The surface of the concrete and stone is very smooth or polished from the wear of the years of traffic. The cracks are also the result of years of traffic loads and perhaps settlement of the ground below the slabs.

The design for resurfacing called for scarifying the concrete surface so that the new asphalt would adhere to the concrete. And in order to minimize reflective cracking in this new pavement from any movement of the slabs or large pieces at the cracks, it was decided to apply Petrotac membrane over the large cracks. This membrane forms a waterproof and stress-relieving interlayer beneath the pavement overlay.

Purpose of Change Order:

This Change Order is required to adjust the Contract Amount and scope of work for the addition of using Petrotac membrane to cover and seal the joints and cracks in the concrete roadway slabs on Franklin Street.

Attachments: (List documents supporting change)

Proposal from American Asphalt dated 10-7-16.  
Invoice #2 from American Asphalt.

Revisions are shown on :

N/A

| CHANGE IN CONTRACT PRICE:                      |                      |          | CHANGE IN CONTRACT TIME:                      |                  |      |
|--|----------------------|----------|---|------------------|------|
| Original Contract Price                        | <b>\$ 399,497.60</b> |          | Original Contract Time                        | <u>62</u>        | Days |
| Previous Change Orders                         | 0 to 0               |          | Notice to Proceed                             | <u>8/31/2016</u> |      |
| Net change of Previous Change Orders           | <u>\$0.00</u>        | 0.00 %   | Net change from Previous Change Orders        | <u>0</u>         | Days |
| Contract Price prior to this Change Order      | <u>\$ 399,497.60</u> |          | Contract Time Prior to Change Order           | <u>62</u>        | Days |
| Net Increase (Decrease) of this Change Order   | <b>\$21,146.40</b>   | 5.29 %   | Net Increase (Decrease) of this Change Order  | <u>0</u>         | Days |
| Contract Price with all Approved Change Orders | <u>\$ 420,644.00</u> | 105.29 % | Contract Time with all Approved Change Orders | <u>62</u>        | Days |
|  |                      |          | Revised Date of Completion                    | <u>11/1/2016</u> |      |

RECOMMENDED:

ACCEPTED:

APPROVED:

by Paul D. Dreier  
City Engineer

by Robert A. Moncrief Sr.  
VP of Construction  
American Asphalt Co/

by [Signature]  
Mayor

# CONTRACT CHANGE ORDER

## Calculation of Net Increase / Decrease

No: 1

Date of Issuance: 11/22/2016

|   |  |
|---|--|
| Project: <b>2016 Local Roads Resurfacing</b>  | Engineer: <b>Federici &amp; Akin, PA</b> |
| Owner: <b>City of Woodbury</b>  | Municipality: <b>City of Woodbury</b>    |
| To Contractor: <b>American Asphalt Co., Inc.</b> Address: <b>116 Main Street</b> <b>W. Collingswood Hgts., NJ 08059</b> |  |

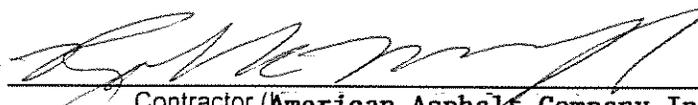
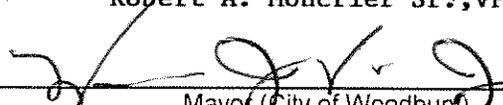
| Item No.                            | Description of Changes | Add'l Quant. | Unit | Unit Cost | DECREASE In Contract Price | INCREASE In Contract Price |
|-------------------------------------|------------------------|--------------|------|-----------|----------------------------|----------------------------|
| <b>Change Order Addition:</b>       |                        |              |      |           |                            |                            |
| C1                                  | Petrotac Membrane      | 2376         | LF   | \$8.90    |                            | \$21,146.40                |
| <b>TOTALS</b>                       |                        |              |      |           | \$0.00                     | \$21,146.40                |
| <b>NET CHANGE IN CONTRACT PRICE</b> |                        |              |      |           | <b>=</b>                   | <b>\$21,146.40</b>         |

**JUSTIFICATION:**

- C1 Added quantity of Petrotac membrane applied by American Asphalt on the concrete roadway slabs on Franklin Street to cover and seal the joints and the large cracks to prevent future reflective cracking through the newly installed asphalt overlay.

**LIST OF SUPPORTING DATA:**

1. Proposal from American Asphalt dated 10-7-16
2. Invoice #2 from American Asphalt dated 10-31-16

|              |  |                                    |
|--------------|--|------------------------------------|
| Recommended: | <br>_____<br>City Engineer (Federici & Akin, PA)  | <u>11/16/16</u><br>_____<br>Date   |
| Accepted:    | <br>_____<br>Contractor (American Asphalt Company, Inc.)<br>Robert A. Moncrief Sr., VP of Const. | <u>11/16/2016</u><br>_____<br>Date |
| Approved:    | <br>_____<br>Mayor (City of Woodbury)   | _____<br>Date                      |