

**CITY COUNCIL**

**The City of Orange Township, New Jersey**

DATE \_\_\_\_\_

NUMBER 27-2023(WO)

**TITLE: BOND ORDINANCE AMENDING BOND ORDINANCE NUMBER 58-2018 FINALLY ADOPTED BY THE CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY ON DECEMBER 18, 2018 TO INCREASE THE USEFUL LIFE THEREOF**

**WHEREAS**, the City of Orange Township, in the County of Essex, State of New Jersey (the "City") has determined to amend Bond Ordinance Number 58-2018, adopted on December 18, 2018 (the "Original Ordinance"), authorizing the 2018 Road Paving Project through the New Jersey Transportation Infrastructure Bank, to increase the useful life thereof from 10 to 20 years.

**BE IT ORDAINED AND ENACTED BY THE CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY** (not less than two-thirds of all members thereof affirmatively concurring),

**AS FOLLOWS:**

**SECTION 1.** The above recital is incorporated herein as though fully set forth at length.

**SECTION 2.** Section 7(b) of the Original Ordinance of the City is hereby amended to the extent and with the effect as set forth below:

"b. The average period of usefulness of said improvements within the limitations of said Local Bond Law, according to the reasonable life thereof computed from the date of the said bonds authorized by this bond ordinance, is 20 years."

**SECTION 3.** The City hereby certifies that it has adopted a capital budget or a temporary capital budget, as applicable. The capital or temporary capital budget of the City is hereby amended to conform with the provisions of this bond ordinance to the extent of any inconsistency herewith. To the extent that the purposes authorized herein are inconsistent with the adopted capital or temporary capital budget, a revised capital or temporary capital budget has been filed with the Division of Local Government Services.

**SECTION 4.** Except as expressly amended and supplemented hereby, the Original Ordinance shall remain in full force and effect.

**SECTION 5.** This amending bond ordinance shall take effect twenty (20) days after the first publication of this bond ordinance after final adoption, as provided by the Local Bond Law.

**Adopted:**

\_\_\_\_\_  
**Joyce L. Lanier**  
City Clerk

\_\_\_\_\_  
**Tency A. Eason**  
Council President

**Approved By:**

\_\_\_\_\_  
**Dwayne D. Warren, Esq.**  
Mayor

**Dated:** \_\_\_\_\_

**ORDINANCE NO. 27-2023(WO)**

**REGULAR MEETING – May 16, 2023**

**INTRODUCTION-FIRST READING**

**MOTION TO WALK-ON: Wooten**

**SECOND: Montague, III**

**YEAS: Montague, III, Summers-Johnson, Wooten & Council President Eason**

**NAYS: None**

**ABSTENTIONS: None**

**ABSENCES: Coley, Hilbert & Ross**

**MOTION TO ADOPT: Montague, III**

**SECOND: Wooten**

**YEAS: Montague, III, Summers-Johnson, Wooten & Council President Eason**

**NAYS: None**

**ABSTENTIONS: None**

**ABSENCES: Coley, Hilbert & Ross**

**PUBLIC HEARING– SECOND READING: June 7, 2023**

## CERTIFICATE OF INTRODUCTION

I, the undersigned Clerk of the City of Orange Township, in the County of Essex, State of New Jersey, DO HEREBY CERTIFY that the foregoing is an extract from the Minutes of a meeting of the governing body of the City duly called and held on May 16, 2023 at 7:00 p.m. and that the following was the roll call:

Present:

Absent:

I FURTHER CERTIFY that the foregoing extract has been compared by me with the original minutes as officially recorded in my office in the Minute Book of the governing body and is a true, complete and correct copy thereof and of the whole of the original minutes so far as they relate to the subject matters referred to in the extract.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City this \_\_\_\_ day of \_\_\_\_\_, 2023.

(SEAL)

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**JOYCE LANIER,**  
City Clerk

**CERTIFICATE OF FINAL ADOPTION**

I, the undersigned Clerk of the City of Orange Township, in the County of Essex, State of New Jersey, DO HEREBY CERTIFY that the foregoing is an extract from the Minutes of a meeting of the governing body of the City duly called and held on \_\_\_\_\_, 2023, at 7:00 p.m. and that the following was the roll call:

Present:

Absent:

I FURTHER CERTIFY that the foregoing extract has been compared by me with the original minutes as officially recorded in my office in the Minute Book of the governing body and is a true, complete and correct copy thereof and of the whole of the original minutes so far as they relate to the subject matters referred to in the extract.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City this \_\_\_\_ day of \_\_\_\_\_, 2023.

(SEAL)

\_\_\_\_\_  
**JOYCE LANIER,**  
**City Clerk**

## CLERK'S CERTIFICATE

I, JOYCE LANIER, DO HEREBY CERTIFY that I am the Clerk of the City of Orange Township, in the County of Essex (the "City"), a municipal corporation organized and existing under the laws of the State of New Jersey, and that as such I am duly authorized to execute and deliver this certificate on behalf of the City. In such capacity, I have the responsibility to maintain the minutes of the meetings of the governing body of the City and the records relative to all resolutions and ordinances of the City. The representations made herein are based upon the records of the City. I DO HEREBY FURTHER CERTIFY THAT:

1. Attached hereto is the bond ordinance introduced on May 16, 2023 and finally adopted on \_\_\_\_\_, 2023.
2. After introduction, the bond ordinance was published as required by law on \_\_\_\_\_ (date) in \_\_\_\_\_ (name of newspaper).
3. Following the passage of the ordinance on first reading, and at least seven (7) days prior to the final adoption thereof, I caused to be posted in the principal municipal building of the City at the place where public notices are customarily posted, a copy of said ordinance or a summary thereof and a notice that copies of the ordinance would be made available to the members of the general public of the City who requested copies, up to and including the time of further consideration of the ordinance by the governing body. Copies of the ordinance were made available to all who requested same.
4. After final passage, the ordinance was duly approved by the Mayor on \_\_\_\_\_ (date) and was duly published as required by law on \_\_\_\_\_ (date) in \_\_\_\_\_ (name of newspaper). No protest signed by any person against making any improvement or incurring the indebtedness authorized therein, nor any petition requesting that a referendum vote be taken on the action proposed in the ordinance has been presented to the governing body or to me or filed in my office within twenty (20) days after said publication or at any other time after the final passage thereof.
5. The bond ordinance has not been amended (other than as set forth therein), added to, altered or repealed and said ordinance is now in full force and effect.
6. A certified copy of this bond ordinance and a copy of the amended capital budget form has been filed with the Director of the Division of Local Government Services, as applicable.
7. The official seal of the City is the seal, an impression of which is affixed, imprinted or reproduced opposite my signature on this Certificate.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed, imprinted or reproduced the corporate seal of the City this \_\_\_\_ day of \_\_\_\_\_, 2023.

(SEAL)

\_\_\_\_\_  
JOYCE LANIER,  
City Clerk

**CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP PUBLIC NOTICE**  
**NOTICE OF PENDING BOND ORDINANCE AND SUMMARY**

The bond ordinance, the summary terms of which are included herein, was introduced and passed upon first reading at a meeting of the governing body of the City of Orange Township, in the County of Essex, State of New Jersey (the "City"), on May 16, 2023. It will be further considered for final passage, after public hearing thereon, at a meeting of the governing body to be held on \_\_\_\_\_, 2023 at 7:00 p.m at City Hall, located within the City. Copies of the full bond ordinance are available at no cost and during regular business hours at the City Clerk's office for members of the general public who request the same. Information regarding access to the meeting may be found on the City's website at [www.orangenj.gov](http://www.orangenj.gov). The summary of the terms of such bond ordinance follows:

- Title:** **BOND ORDINANCE AMENDING BOND ORDINANCE NUMBER 58-2018 FINALLY ADOPTED BY THE CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY ON DECEMBER 18, 2018 TO INCREASE THE USEFUL LIFE THEREOF**
- Purpose(s):** The purpose of the bond ordinance is to amend bond ordinance number 58-2018 to increase the useful life thereof from 10 years to 20 years.
- Appropriation:** Unchanged
- Bonds/Notes Authorized:** Unchanged
- Section 20 Costs:** Unchanged
- Useful Life:** 20 years

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**JOYCE LANIER,**  
City Clerk

**CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP  
PUBLIC NOTICE**

**BOND ORDINANCE STATEMENTS AND SUMMARY**

The bond ordinance, the summary terms of which are included herein, has been finally adopted by the City Council of the City of Orange Township, in the County of Essex, State of New Jersey (the "City"), on \_\_\_\_\_, 2023 and the twenty (20) day period of limitation within which a suit, action or proceeding questioning the validity of such bond ordinance can be commenced, as provided in the Local Bond Law, has begun to run from the date of the first publication of this statement. Copies of the full bond ordinance are available at no cost and during regular business hours at the City Clerk's office for members of the general public who request the same. The summary of the terms of such bond ordinance follows:

**Title:** **BOND ORDINANCE AMENDING BOND ORDINANCE NUMBER 58-2018 FINALLY ADOPTED BY THE CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY ON DECEMBER 18, 2018 TO INCREASE THE USEFUL LIFE THEREOF**

**Purpose(s):** The purpose of the bond ordinance is to amend bond ordinance number 58-2018 to increase the useful life thereof from 10 years to 20 years.

**Appropriation:** Unchanged

**Bonds/Notes Authorized:** Unchanged

**Section 20 Costs:** Unchanged

**Useful Life:** 20 years

\_\_\_\_\_  
**JOYCE LANIER,**  
City Clerk



**CITY COUNCIL****The City of Orange Township, New Jersey**DATE December 18, 2018NUMBER 58-2018

**(AMENDED)**  
**TITLE: BOND ORDINANCE PROVIDING FOR THE 2018 ROAD PAVING PROJECT THROUGH THE NEW JERSEY TRANSPORTATION INFRASTRUCTURE BANK, BY AND IN THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY; APPROPRIATING \$10,000,000 THEREFOR AND AUTHORIZING THE ISSUANCE OF \$10,000,000 BONDS OR NOTES TO FINANCE THE COST THEREOF**

BE IT ORDAINED AND ENACTED BY THE CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY (not less than two-thirds of all the members thereof affirmatively concurring), AS FOLLOWS:

SECTION 1. The improvements described in Section 3 of this bond ordinance are hereby authorized to be undertaken by the City of Orange Township, in the County of Essex, State of New Jersey (the "City") as general improvements. For the said improvements stated in Section 3, there is hereby appropriated the amount of \$10,000,000. Pursuant to the provisions of N.J.S.A. 40A:2-11(c) of the Local Bond Law, N.J.S.A. 40A:2-1 et seq., as amended and supplemented (the "Local Bond Law"), no down payment is required as this bond ordinance authorizes obligations solely for purposes described in N.J.S.A. 40A:2-7(d).

SECTION 2. For the financing of said improvements or purposes described in Section 3 hereof, negotiable bonds of the City are hereby authorized to be issued in the principal amount of \$10,000,000 pursuant to and within the limitations prescribed by the Local Bond Law. In anticipation of the issuance of said bonds and to temporarily finance said improvements or purposes, negotiable notes of the City in a principal amount not exceeding \$10,000,000 are hereby authorized to be issued pursuant to and within the limitations prescribed by said Local Bond Law.

SECTION 3. The improvements and purposes hereby authorized and purposes for the financing of which said debt obligations are to be issued are for the 2018 road paving project through the New Jersey Transportation Infrastructure Bank, including, but not limited to, the entire length or portions of following roads: North Day Street, Nassau Street, Washington Street, Reock Street, South Jefferson Street, Thomas Street, South Essex Avenue, Cary Street, New Street, Tony Galento Plaza, Watchung Avenue, White Street, Gist Place, Oxford Street, Tremont Place, Highland Avenue, Lafayette Street, Mitchell Street, Olcott Street, South Day Street, Carteret Place, Clairmont Terrace, Berwyn Street, Stirling Avenue, Stirling Drive East, Stirling Drive West, Thomas Boulevard, Walsh Avenue, Bradford Street, Hickory Street and Hillside Avenue. The improvements shall also include all new curbing, driveway aprons and sidewalks along the defined limits of each road, ADA compliant handicap ramps at all required locations, milling and resurfacing of the roadways with an asphalt surface course, selective base repair and limited full depth reconstruction where required, replacement of all inlets, manholes and valve castings, catch basin castings, replacement of street signs, removal

#0193229.1

amended to conform with the provisions of this bond ordinance to the extent of any inconsistency herewith. To the extent that the purposes authorized herein are inconsistent with the adopted capital or temporary capital budget, a revised capital or temporary capital budget has been filed with the Division of Local Government Services.

**SECTION 7.** The following additional matters are hereby determined, declared, recited and stated:

- a. The purposes described in Section 3 of this bond ordinance are not current expenses and are improvements which the City may lawfully undertake as general improvements, and no part of the cost thereof has been or shall be specially assessed on property specially benefited thereby.
- b. The average period of usefulness of said improvements within the limitations of said Local Bond Law, according to the reasonable life thereof computed from the date of the said bonds authorized by this bond ordinance, is 10 years.
- c. The supplemental debt statement required by the Local Bond Law has been duly made and filed in the Office of the Clerk of the City and a complete executed duplicate thereof has been filed in the Office of the Director of the Division of Local Government Services, New Jersey Department of Community Affairs, and such statement shows that gross debt of the City, as defined in the Local Bond Law, is increased by the authorization of bonds or notes provided for in this bond ordinance by \$10,000,000 and the said obligations authorized by this bond ordinance will be within all debt limitations prescribed by said Local Bond Law.
- d. An amount not exceeding \$1,500,000 for items of expense listed in and permitted under section 20 of the Local Bond Law is included in the estimated cost indicated herein for the improvements hereinbefore described.
- e. This bond ordinance authorizes obligations of the City solely for a purpose described in N.J.S.A. 40A:2-7(d). This purpose is in the public interest and is for the health, welfare, convenience or betterment of the inhabitants of the City. The amounts to be expended for this purpose pursuant to this bond ordinance are not unreasonable or exorbitant, and the issuance of the obligations authorized by this bond ordinance will not materially impair the credit of the City or substantially reduce its ability to pay punctually the principal of and interest on its debts and to supply other essential public improvements and services. Prior to final adoption of this bond ordinance, the Local Finance Board in the Division of Local Government Services of the Department of Community Affairs of the State of New Jersey shall make a determination to this effect and cause its consent to be endorsed upon a certified copy of this bond ordinance as passed upon first reading.

**SECTION 8.** The full faith and credit of the City are hereby pledged to the punctual payment of the principal of and the interest on the debt obligations authorized by this bond ordinance.

**ORDINANCE NO 58-2018**

**REGULAR MEETING –NOVEMBER 7, 2018  
INTRODUCTION-FIRST READING**

**MOTION TO ADOPT AS AMENDED: Williams**

**SECOND: Johnson, Jr.**

**YEAS: Eason, Jackson, Johnson, Jr., Summers-Johnson, Williams, Wooten & Council Pres. Coley**

**NAYS: None**

**ABSTENTIONS: None**

**ABSENCES: None**

**SECOND READING PUBLIC/FINAL HEARING DECEMBER 4, 2018  
POSTPONED FOR DECEMBER 18, 2018**

**MOTION TO ADOPT: Williams**

**SECOND: Johnson, Jr.**

**YEAS: Eason, Jackson, Johnson, Jr., Summers-Johnson, Williams & Council Pres. Coley**

**NAYS: None**

**ABSTENTIONS: None**

**ABSENCES: Wooten**

**ORDINANCE 58-2018**

**CITY COUNCIL OF THE CITY OF ORANGE TOWNSHIP  
PUBLIC NOTICE  
BOND ORDINANCE STATEMENT AND SUMMARY**

The bond ordinance, the summary terms of which are included herein, has been finally adopted by the City Council of the City of Orange Township, in the County of Essex, State of New Jersey on December 18, 2018 and approved by the Mayor on December 20, 2018, the twenty (20) day period of limitation within which a suit, action or proceeding questioning the validity of such ordinance can be commenced, as provided in the Local Bond Law, has begun to run from the date of the first publication of this statement. Copies of the full ordinance are available at no cost and during regular business hours, at the Clerk's office for members of the general public who request the same. The summary of the terms of such bond ordinance follows:

**Title:** BOND ORDINANCE PROVIDING FOR THE 2018 ROAD PAVING PROJECT THROUGH THE NEW JERSEY TRANSPORTATION INFRASTRUCTURE BANK, BY AND IN THE CITY OF ORANGE TOWNSHIP, IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY; APPROPRIATING \$10,000,000 THEREFOR AND AUTHORIZING THE ISSUANCE OF \$10,000,000 BONDS OR NOTES TO FINANCE THE COST THEREOF

**Purpose(s):** Providing for 2018 road paving project through the New Jersey Transportation Infrastructure Bank, including, but not limited to, the entire length or portions of following roads: North Day Street, Nassau Street, Washington Street, Reock Street, South Jefferson Street, Thomas Street, South Essex Avenue, Cary Street, New Street, Tony Galento Plaza, Watchung Avenue, White Street, Gist Place, Oxford Street, Tremont Place, Highland Avenue, Lafayette Street, Mitchell Street, Olcott Street, South Day Street, Carteret Place, Clairmont Terrace, Berwyn Street, Stirling Avenue, Stirling Drive East, Stirling Drive West, Thomas Boulevard, Walsh Avenue, Bradford Street, Hickory Street and Hillside Avenue.


**Appropriation:** \$10,000,000

**Bonds/Notes Authorized:** \$10,000,000

**Down Payment:** None

**Section 20 Costs:** \$1,500,000

**Useful Life:** 10 years

  
JOYCE LANIER, Clerk  
City of Orange Township

## CERTIFICATE OF FINAL ADOPTION

I, the undersigned Clerk of the City of Orange Township, in the County of Essex, State of New Jersey (the "City") DO HEREBY CERTIFY that the foregoing is an extract from the Minutes of a meeting of the governing body of the City duly called and held on December 18, 2018 at 7:00 p.m. at the City Hall and that the following was the roll call:

Present: Council Members Eason, Jackson, Johnson, Jr., Williams, & Council President Coley

Absent: Council Member Wooten

I FURTHER CERTIFY that the foregoing extract has been compared by me with the original minutes as officially recorded in my office in the Minute Book of the governing body and is a true, complete and correct copy thereof and of the whole of the original minutes so far as they relate to the subject matters referred to in the extract.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the City as of this 21<sup>st</sup> day of December 2018.

(SEAL)



  
JOYCE LANER,  
City Clerk

## CLERK'S CERTIFICATE

I, **JOYCE LANIER**, DO HEREBY CERTIFY that I am the Clerk of the City of Orange Township, in the County of Essex (the "City"), a municipal corporation organized and existing under the laws of the State of New Jersey, and that as such I am duly authorized to execute and deliver this certificate on behalf of the City. In such capacity, I have the responsibility to maintain the minutes of the meetings of the governing body of the City and the records relative to all resolutions and ordinances of the City. The representations made herein are based upon the records of the City. I DO HEREBY FURTHER CERTIFY THAT:

(1) Attached hereto is the bond ordinance introduced on November 7, 2018 and finally adopted on December 18, 2018.

(2) After introduction, the bond ordinance was published as required by applicable law on November 15, 2018 and on December 6, 2018 in the Record Transcript.

(3) Following the introduction of the bond ordinance on first reading, and at least seven (7) days prior to the final adoption thereof, I caused to be posted in the principal municipal building of the City at the place where public notices are customarily posted, a copy of said bond ordinance or a summary thereof and a notice that copies of the bond ordinance would be made available to the members of the general public of the City who requested copies, up to and including the time of further consideration of the bond ordinance by the governing body. Copies of the bond ordinance were made available to all who requested same.

(4) After final adoption, the ordinance was duly approved by the Mayor on December 20, 2018 (if applicable) and was duly published as required by law on December 28, 2018 in the Record - Transcript. No protest signed by any person against making any improvement or incurring the indebtedness authorized therein, nor any petition requesting

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## Joyce Lanier

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**From:** Joy Lascari  
**Sent:** Friday, December 21, 2018 11:22 AM  
**To:** Joyce Lanier; Margarete Homere  
**Subject:** FW: 0717\_sds\_07-Nov-2018.xls  
**Attachments:** 0717\_sds\_07-NOV-2018 (1).xls; 0717\_dbo\_07-Nov-2018 (1).pdf

**From:** Joy Lascari  
**Sent:** Thursday, December 20, 2018 11:34 AM  
**To:** 'sds.lgs@dca.state.nj.us' <sds.lgs@dca.state.nj.us>  
**Subject:** 0717\_sds\_07-Nov-2018.xls

Joy Lascari - CFO, Certify that all information in this email is accurate.

Attached 0717\_sds\_07-Nov-2018.xls and 0717\_dbo\_07-Nov-2018.pdf .

**Email Disclaimer:** This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the sender. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. If you are not the intended recipient you are notified that disclosing, copying, distributing or taking any action in reliance on the contents of this information is strictly prohibited.

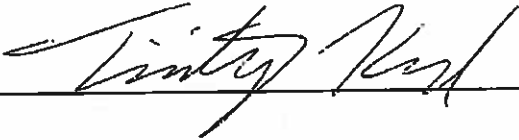


# Affidavit of Publication

STATE OF NEW JERSEY  
COUNTY OF ESSEX

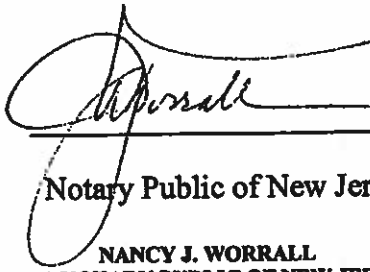
SS:

Trinity Head of the *Record-Transcript*, being duly sworn according to law, states on oath, that a notice of which the annexed is a true copy, was published in the *Record-Transcript*, serving East Orange and Orange, a public newspaper published at Orange, New Jersey, in its issue of November 15, 2018 making 1 insertion in all.



Sworn and subscribed before me this 15<sup>th</sup> day of

November, 2018



Notary Public of New Jersey

NANCY J. WORRALL  
A NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires May 19, 2019

ORANGE  
CITY COUNCIL OF THE CITY OF  
ORANGE TOWNSHIP  
PUBLIC NOTICE  
NOTICE OF PENDING BOND ORDINANCE  
AND SUMMARY  
88-2018

The bond ordinance, the summary terms of which are included herein, was introduced and passed upon first reading at a meeting of the governing body of the City of Orange Township, in the County of Essex, State of New Jersey, on November 7, 2018. It will be further considered for final passage, after public hearing thereon, at a meeting of the governing body to be held at the City Hall, in said City, on December 4, 2018 at 7:00 p.m. During the week prior to and up to and including the date of such meeting copies of the full ordinance will be available at no cost and during regular business hours, at the Clerk's office for the members of the general public who shall request the same. The summary of the terms of such bond ordinance follows:

Title: BOND ORDINANCE PROVIDING FOR THE 2018 ROAD PAVING PROJECT THROUGH THE NEW JERSEY TRANSPORTATION INFRASTRUCTURE BANK BY AND IN THE CITY OF ORANGE TOWNSHIP IN THE COUNTY OF ESSEX, STATE OF NEW JERSEY; APPROPRIATING \$10,000,000 THEREFOR AND AUTHORIZING THE ISSUANCE OF \$10,000,000 BONDS OR NOTES TO FINANCE THE COST THEREOF

Purpose(s): Providing for 2018 road paving project through the New Jersey Transportation Infrastructure Bank; including, but not limited to, the entire length or portions of following roads: North Day Street, Nassau Street, Washington Street, Rock Street, South Jefferson Street, Thomas Street, South Essex Avenue, Cary Street, New Street, Tony Galento Plaza, Watchung Avenue, Writts Street, Gist Place, Oxford Street, Tremont Place, Highland Avenue, Lafayette Street, Mitchell Street, Olcott Street, South Day Street, Carteret Place, Clairmont Terrace, Berwyn Street, Stirling Avenue, Stirling Drive East, Stirling Drive West, Thomas Boulevard, Walsh Avenue, Bradford Street, Hickory Street and Hillside Avenue.

Appropriation: \$10,000,000

Bonds/Notes Authorized: \$10,000,000

Down Payment: None

Section 20 Costs: \$1,600,000

Useful Life: 10 years

JOYCE  
LANIER, City Clerk

A complete copy of this ordinance has been posted on the bulletin board in City Hall, 29 North Day Street, Orange, New Jersey. Additional full copies are available in the Office of the City Clerk.  
E74184 OTR November 15, 2018 (\$28.28)



New Jersey Infrastructure Bank  
3131 Princeton Pike  
Building 4 Suite 216  
Lawrenceville, NJ 08648-2201

Robert A. Briant, Jr., Vice Chairman  
Roger Ellis, Treasurer  
Mark Longo, Secretary  
Elizabeth Maher Muolo, State Treasurer  
Catherine R. McCabe, DEP Commissioner  
Diane Gutierrez-Scaccetti, DOT Commissioner  
Sheila Oliver, DCA Commissioner  
David E. Zimmer, Executive Director

October 30, 2018

Mr. Marty Mayes, City Engineer  
City of Orange Township  
29 N. Day Street  
Orange, NJ 07050-3608

Re: NJ Transportation Bank Loan Application  
City of Orange Township Project: TB0717-001 – City of Orange Various Street Paving Project  
Funding Allocation Notice

Dear Mr. Mayes:

Available funding for the first quarter of FY2019 has been allocated to the highest ranked projects presenting a high probability to construction contract certification and construction award prior to September 30, 2019. The NJ Infrastructure Bank has reviewed your Step 1 Submission and information relevant to your project's schedule to awarding construction. I am pleased to advise you that the Transportation Bank is budgeting funds in the amount of \$9,712,500 for the above referenced project. This communication is to notify you as project sponsor of the general conditions of securing a commitment of Transportation Bank funds.

**Funding Commitment.** The commitment of funds for the total estimated project amount will occur upon short-term loan closing. The prerequisites to short-term loan closing are set forth in Appendix A. However, the following bear mention:

- (i) City of Orange Township's - submission of Step 2 Application Submission;
- (ii) City of Orange Township's - satisfaction of the Transportation Bank's Credit Worthiness standards; and
- (iii) City of Orange Township's - agreement to comply with the Loan Application Schedule.

**Step 2 Submission.** The Step 2 Application Submission is available [here](#). The following information is necessary: (a) an uploaded copy of the executed or draft engineering design contract; and (b) financial information relevant to securing loan closing. Sponsors are typically assisted by their consulting engineer and bond counsel in this submission and we recommend that you confer with them in this matter.

**Contract Certification.** Upon receipt of the Step 2 Submission, Program staff will review the engineering contract to ensure that the engineering engagement will be for services necessary for the design of your transportation bank project and make a determination of eligible costs for engineering services. Approval will be evidenced through a certification of that contract by the Transportation Bank:

**Credit Worthiness / Loan Closing Preparation.** Transportation bank loans are limited to counties and municipalities having an investment grade rating, who provide a general obligation pledge. Sponsors are required to meet the parameters of the Credit Policy available [here](#). An initial credit screening has concluded

**C:** David Zimmer, Executive Director, NJ Infrastructure Bank  
M. Russo, Assistant Commissioner, Planning Multimodal, and Grant Admin, NJ Dept. of Transportation  
Mr. Frank J. Rotonda, Consulting Engineer, Pennoni Associates  
Richard Nolan, Bond Counsel to the NJ Infrastructure Bank  
Everett M. Johnson, Borrower Bond Counsel

**Appendix B**  
**NJ Transportation Bank**  
**Loan Application Schedule**

Borrower: Orange City

Project: TB0717-001 – Paving Various Streets

	<b>Milestone</b>	<b>Date</b>
1.	Submission of Engineering Contract / Engineer's Estimate / Authorizing Resolution	November 23, 2018
2.	Note / Loan Closing	January 31, 2019
3.	Submission EO215 documents or waiver with Scope of Work / Map	February 15, 2019
4.	<b>Step 3 Application Submission:</b> Submission of Plans and Specifications	February 15, 2019
5.	Letter Confirming Requisite Permitting Acquired	February 22, 2019
6.	Receive approval to Advertise	April 1, 2019
7.	Advertise project	April 15, 2019
8.	Open bids	May 15, 2019
9.	<b>Step 4 Application Submission:</b> Submission of Bid spec. page with DBE/SBE goal to DOT with CR266 Form and proof of advert (at least 3 publications)	May 31, 2019
10.	Award / Award resolution passed by	June 14, 2019
11.	Submission of Award Resolution to DOT	June 21, 2019
12.	Receive award concurrence	June 28, 2019
13.	Pre-construction meeting / Notice to Proceed by	July 19, 2019
14.	Construction Start by	August 2, 2019

*\*Schedule will allow for float/variance between milestones*

# Table of Contents

Our ultimate goal is to serve the municipalities we represent in a cost-efficient and cost-effective manner. We do this by offering engineering and planning expertise across the board. We have expertise in every municipal engineering and planning area – there is rarely a need for an outside consultant. We support small communities and major transportation agencies. Each is offered the same quality of service and the level of service they require.

We proudly serve as consultant to the municipality. Our familiarity with the region, expertise in all facets of municipal engineering, staff of licensed professionals highly experienced in supporting both small and large communities, and 100 years of engineering excellence, will enable our firm to fully support the needs of your community. *Take advantage of our expertise and cost-effective all-around services we offer as your Municipal Consulting firm.*



Prepared for:



## THE CITY OF ORANGE TOWNSHIP

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Insert – Pavement Assessment Map (PAM)

Note: See separate binders for Individual Roadway Inventory Sheets



# 2

## OBJECTIVE

### PAVEMENT MANAGEMENT PROGRAM, CITY OF ORANGE TOWNSHIP, NJ

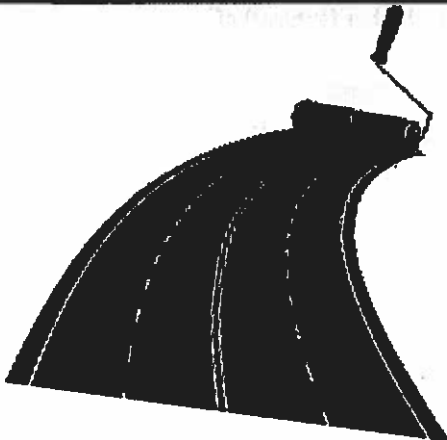
The intended goal of this Program is to assess the City's roadway conditions and provide a baseline tool in development of planned yearly road maintenance schedule. The Program will also serve as a guide to maintain the City's roads that are in good condition, while improving roads in poor condition. Scheduling improvements over a period of time will allow the City to effectively plan expenditures for future years and potentially stretch its capital budgets by reducing the need for more costly reconstructions and emergency pavement repairs. The following is an example of pavement maintenance strategy:

After a new or reconstructed road begins to show signs of wear (five to 10 years), instead of letting it deteriorate further, the road may receive a seal coat that helps prevent water penetration. Furthermore, over the next 10 to 20 years, the road may receive additional seal coats and resurfacing at various planned intervals. Eventually, between the roads 35th to 40th year, it will most likely need a full-depth reconstruction or replacement.

If the road did not receive any maintenance or repair, the pavement surface could be a candidate for full-depth reconstruction in 15 to 20 years (versus 35 to 40 years), due to the accelerating rate of deterioration. Additionally, by receiving regular maintenance, the pavement can remain in generally good condition for most of its life cycle. Without regular maintenance and/or repair the road will be in poor condition from approximately the midpoint to the end of its life cycle.

### THE BOTTOM LINE is that good roads cost money.

The total cost for maintaining bad roads far exceeds the cost for well-maintained roads.



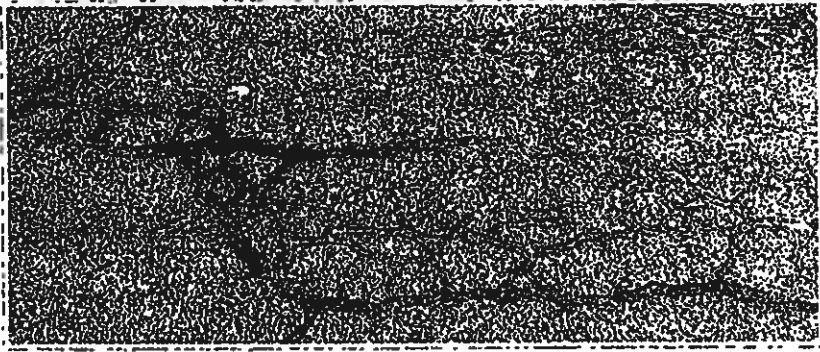
#### What is a Pavement Management Program?

- A comprehensive planning tool that provides for improved quality and performance of the municipal roads
- A plan used to determine what roads will receive appropriate treatment and when
- A systematic approach to curtail wide-spread road deterioration
- A guide to ensure maximized value for road maintenance dollars

The physical characteristics rated for the roadways and a brief description of each are as follows:

*Photograph taken along South Jefferson Avenue, City of Orange Township, NJ*

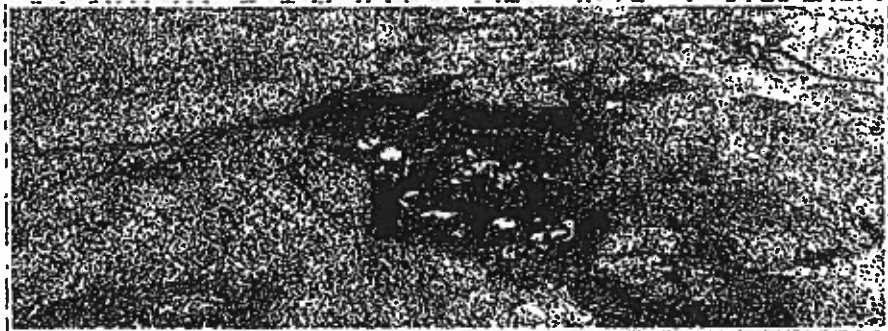
#### ALLIGATOR CRACKING



This condition is characterized by a series of interconnecting cracks that divide the pavement into many-sided, sharp-angled pieces resembling an alligator's hide. Alligator cracking usually occurs in wheel paths or other areas subjected to loading. Alligator cracking can be caused by weakness in the base or sub-grade, which results in the fatigue failure of the asphalt concrete surface under repeated loading.

*Photograph taken along South Jefferson Avenue, City of Orange Township, NJ*

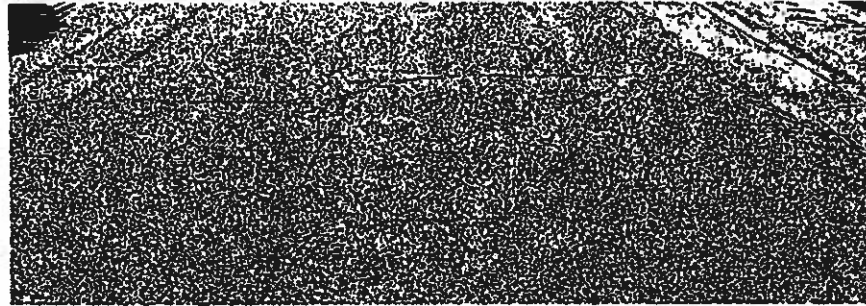
#### POTHOLES



This condition is characterized by holes in the pavement surface at least  $\frac{1}{2}$ " deep and at least one square foot in surface area. Potholes generally occur when a serious distress, such as alligator cracking, combines with excess water, freeze-thaw cycling, and traffic loads. Potholes are also caused by poor quality hot mix asphalt (low asphalt binder contents or soft aggregate) or insufficient pavement thickness. These result in localized disintegration of the pavement materials and the materials are dislodged by traffic.

Photograph taken along Thomas Street,  
City of Orange Township, NJ

#### TRANSVERSE and/or LONGITUDINAL CRACKS



This condition is characterized by visible fractures or separations of the pavement surface occurring transversely across or longitudinally down the roadway. This cracking may be caused by a poorly constructed paving joint, shrinkage of the surface due to low temperature, asphalt hardening, or a reflection crack from an underlying rigid base.

#### RIDING QUALITY

This condition is characterized by the feel a driver gets when driving an automobile through a segment of a roadway at the posted speed limit. If the pavement appeared to be new and there was no discernible roughness felt in the ride of the vehicle, the pavement smoothness was rated excellent. The pavement smoothness was rated good if the ride of the vehicle remained smooth, yet the pavement appeared to show some signs of distress. A rating of fair for pavement smoothness was given if there was notable roughness felt in the ride of the vehicle but little discomfort sensed by the driver. If there was substantial roughness felt in the ride of the vehicle, and it became necessary to lower the speed of the vehicle below the posted limit, the pavement smoothness was rated as poor.

Once the roadway assessment was completed, the roadway condition ratings were used to compare and evaluate pavement maintenance priorities across the entire pavement network within the City of Orange Township. Table 1 on the next page outlines repair types and the condition rating ranges associated with each type. Although these ranges are typical of recommended repairs, other factors such as the types of pavement distresses and other roadway safety considerations may result in a repair recommendation outside of these typical ranges for certain roads. Additionally, it indicates costs per square yard for that repair type. This cost is based on 2017 dollars and does not include soft costs (engineering, inspection, and contract administration). For the City to budget accordingly for a total project cost per year, soft costs have been added within the report to provide a total project costs. Please note that additional costs may include construction of ADA compliant curb ramps, replacement of concrete curbs and driveway aprons, and installation of NJDEP compliant storm sewer inlets.





# **A** SUMMARY OF YEARLY REPAIRS

**PAVEMENT MANAGEMENT PROGRAM, CITY OF ORANGE TOWNSHIP, NJ**



# ROADWAY SEGMENTS

LISTED ALPHABETICALLY BY STREET NAME

**PAVEMENT MANAGEMENT PROGRAM, CITY OF ORANGE TOWNSHIP, NJ**

Pavement Management Program  
 City of Orange Township, Essex County, New Jersey

Roadway Segments  
 Listed by Street Name

START/END	ROAD	TO	ROUTE MILES	ROAD CLASSIFICATION (PERDOT 201)	RECONSTRUCT NECESSARY (Y/N)	COST/FEET SQUARE YARD	ESTIMATED CONSTRUCTION COST/FEET ROAD/FEET	ESTIMATED CONSTRUCTION COST	ESTIMATED TOTAL	REASON FOR
ELIZABETH STREET	CLEVELAND STREET	NORTH DAY STREET	2,310	82	M & R	\$38.00	\$87,780	\$18,879	\$104,659	8
ELLIOT PLACE	HARRISON STREET	(LIMIT)	680	86	M & R	\$38.00	\$26,220	\$4,982	\$31,202	10
ELM STREET	HILLYER STREET	PARK STREET	3,020	84	RECONSTRUCT	\$78.00	\$235,660	\$44,787	\$280,447	5
ELMWOOD DRIVE	BERKELEY AVENUE	SOUTH CENTER STREET	6,930	70	M & R	\$38.00	\$263,340	\$60,036	\$313,376	6
FAIRVIEW AVENUE	SCOTLAND ROAD	BERKELEY AVENUE	6,310	83	SEAL COAT	\$18.00	\$113,680	\$21,881	\$135,561	4
FLAGG STREET	FOREST STREET	(END)	480	82	M & R	\$38.00	\$17,480	\$3,222	\$20,702	9
FOREST STREET	SOUTH VALLEY ROAD	SCOTLAND ROAD	4,880	80	RECONSTRUCT	\$78.00	\$380,020	\$68,024	\$448,044	3
FRANKFORD STREET	SCOTLAND ROAD	MATTHEWS STREET	3,220	86	M & R	\$38.00	\$122,360	\$23,248	\$145,608	3
FREEMAN STREET	CROSS STREET	SCOTLAND ROAD	4,880	76	M & R	\$38.00	\$186,240	\$35,956	\$222,196	7
FULLER TERRACE	HIGHLAND AVENUE	SOUTH CENTER STREET	3,730	86	SEAL COAT	\$18.00	\$67,140	\$12,928	\$80,068	8
GIST PLACE	CLEVELAND STREET	NORTH DAY STREET	1,840	82	RECONSTRUCT	\$78.00	\$143,520	\$27,260	\$170,780	2
GLENWOOD AVENUE	MAIN STREET	(LIMIT)	3,120	78	M & R	\$38.00	\$118,560	\$22,527	\$141,087	7
HAMPTON TERRACE	OAKWOOD AVENUE	(LIMIT)	1,050	86	M & R	\$38.00	\$41,420	\$7,870	\$49,290	10
HARRISON STREET	SOUTH CENTER STREET	(LIMIT)	2,400	78	M & R	\$38.00	\$91,200	\$17,228	\$108,428	7
HAWTHORNE STREET	HIGHT STREET	NORTH DAY STREET	3,140	82	M & R	\$38.00	\$119,320	\$22,871	\$142,191	8
HAYTUN AVENUE	STRUBS AVENUE	TRIMONT AVENUE	4,050	86	M & R	\$38.00	\$153,900	\$29,241	\$183,141	6
HAYWARD STREET	CARROLL STREET	NORTH PARK STREET	2,820	86	M & R	\$38.00	\$107,160	\$20,593	\$127,753	4
HENRY STREET	SOUTH DAY STREET	SOUTH CENTER STREET	2,380	86	M & R	\$38.00	\$90,440	\$17,184	\$107,624	4
HENRY STREET	LINCOLN AVENUE	SOUTH DAY STREET	4,720	88	M & R	\$38.00	\$179,760	\$34,151	\$213,911	10
HEYWOOD AVENUE	SCOTLAND ROAD	SOUTH CENTER STREET	18,510	72	M & R	\$38.00	\$703,380	\$111,883	\$815,263	6
HICKORY STREET	FREEMAN DRIVE WEST	MAIN STREET	2,830	78	M & R	\$38.00	\$107,140	\$18,267	\$125,407	7
HICKORY STREET	REYNOLDS STREET	CENTRAL AVENUE	2,130	70	M & R	\$38.00	\$80,940	\$15,379	\$96,319	6
HICKORY STREET	OLCOTT STREET	PARROW STREET	10,830	78	M & R	\$38.00	\$410,900	\$78,171	\$489,071	2
HIGHLAND AVENUE	OLCOTT STREET	SCOTLAND ROAD	11,750	88	RECONSTRUCT	\$78.00	\$916,500	\$174,128	\$1,090,628	2
HIGHLAND TERRACE	HIGHLAND AVENUE	(END)	1,330	78	M & R	\$38.00	\$50,540	\$9,803	\$60,343	7
HILLSIDE AVENUE	BERKELEY AVENUE	SCOTLAND ROAD	6,370	88	M & R	\$38.00	\$243,260	\$48,270	\$291,530	2
HILLYER STREET	ELM STREET	MAIN STREET	3,380	80	RECONSTRUCT	\$78.00	\$263,640	\$48,610	\$312,250	3
IRVING TERRACE	HEYWOOD AVENUE	(LIMIT)	2,150	74	M & R	\$38.00	\$81,700	\$15,823	\$97,523	6
IVY COURT	SOUTH CENTER STREET	(DEADEND)	1,130	82	RECONSTRUCT	\$78.00	\$88,140	\$16,747	\$104,887	3
JOYCE STREET	SCOTLAND ROAD	(LIMIT)	2,740	88	RECONSTRUCT	\$78.00	\$213,720	\$40,507	\$254,227	3
KEARSEY ROAD	LAMBRIDGE ROAD	(LIMIT)	820	82	M & R	\$38.00	\$31,060	\$6,843	\$37,903	8
LAFAYETTE STREET	CARY STREET	JOYCE STREET	1,360	88	RECONSTRUCT	\$78.00	\$106,280	\$18,874	\$125,154	2
LAKESIDE AVENUE	WATCHUNG AVENUE	CLEVELAND STREET	5,980	48	RECONSTRUCT	\$78.00	\$466,440	\$88,326	\$554,766	1
LANGOON STREET	MORRIS STREET	MCCHESNEY STREET	8,290	86	M & R	\$38.00	\$314,920	\$58,194	\$373,114	10
LAUREL STREET	SCOTLAND ROAD	LINCOLN AVENUE	1,370	88	M & R	\$38.00	\$52,060	\$9,962	\$62,022	6
LAWN RIDGE ROAD	SCOTLAND ROAD	IRVING TERRACE	8,240	82	RECONSTRUCT	\$78.00	\$642,720	\$101,269	\$743,989	5
LIBERTY STREET	UNION STREET	(END)	2,170	74	M & R	\$38.00	\$82,460	\$15,668	\$98,128	6
LIGHTHIPS PLACE	CARTER PLACE	(DEADEND)	1,630	78	M & R	\$38.00	\$61,940	\$11,789	\$73,729	7
LINCOLN AVENUE	CENTRAL AVENUE	HEYWOOD AVENUE	20,070	80	RECONSTRUCT	\$78.00	\$1,565,460	\$297,438	\$1,862,898	4
LINCOLN AVENUE	MAIN STREET	CENTRAL AVENUE	10,880	78	M & R	\$38.00	\$413,620	\$78,628	\$492,248	7
LINCOLN PLACE	LINCOLN AVENUE	SCOTLAND ROAD	2,050	100	SEAL COAT	\$18.00	\$36,900	\$7,011	\$43,911	8
LINDEN ROAD	JEFFERSON	ROSE	2,480	74	M & R	\$38.00	\$94,240	\$17,808	\$112,048	8
LINDSEY PLACE	SOUTH CENTER STREET	(LIMIT)	540	100	SEAL COAT	\$18.00	\$9,720	\$1,847	\$11,567	8
MADISON STREET	BELL STREET	JEFFERSON STREET	1,470	70	M & R	\$38.00	\$55,860	\$10,614	\$66,474	8
MAIN STREET	HIGH STREET	(LIMIT)	66,480	80	M & R	\$38.00	\$2,546,640	\$487,858	\$3,034,498	8
MANOR TERRACE	MAIN STREET	(END)	1,380	84	M & R	\$38.00	\$52,440	\$10,296	\$62,736	9
MARYLAND PLACE	MARYLAND STREET	(END)	410	74	M & R	\$38.00	\$15,620	\$3,005	\$18,625	8
MARYLAND STREET	SCOTLAND ROAD	BELL STREET	1,280	80	RECONSTRUCT	\$78.00	\$100,820	\$19,118	\$119,938	3

Pavement Management Program  
City of Orange Township, Essex County, New Jersey

Roadway Segments  
Listed by Street Name

STREET NAME	FROM	TO	SQUARE YARDS	ROAD CONDITION RATIO (0-100)	RECOMMENDED TREATMENT (201)	COST PER SQUARE YARD	ESTIMATED CONSTRUCTION COST (\$ MIL)	ESTIMATED ENGINEERING & INSPECTION COST	ESTIMATED PROJECT TOTAL	YEAR OF REPAIR
SOUTH CENTER STREET	FREEWAY DRIVE WEST	MAIN STREET	2,220	88	M & R	\$38.00	\$84,960	\$18,029	\$100,989	10
SOUTH CENTER STREET	(LIMIT)	HARRISON STREET	4,400	88	M & R	\$38.00	\$167,200	\$31,768	\$198,968	10
SOUTH DAY STREET	MAIN STREET	HENRY STREET	6,720	86	RECONSTRUCT	\$78.00	\$524,160	\$99,691	\$623,751	2
SOUTH ESSEX AVENUE	CENTRAL AVENUE	HENRY STREET	4,010	46	RECONSTRUCT	\$78.00	\$312,780	\$68,429	\$372,209	1
SOUTH ESSEX AVENUE	HENRY STREET	MAIN STREET	5,960	32	M & R	\$38.00	\$227,240	\$45,178	\$272,418	0
SOUTH JEFFERSON STREET	MCCHESNEY STREET	MITCHELL STREET	8,360	40	RECONSTRUCT	\$78.00	\$651,900	\$123,747	\$775,647	1
SOUTH JEFFERSON STREET	MITCHELL STREET	MAIN STREET	11,710	84	M & R	\$38.00	\$444,980	\$84,547	\$529,527	9
SOUTH VALLEY ROAD	FREEMAN	FOREST	1,880	82	RECONSTRUCT	\$78.00	\$146,640	\$27,888	\$172,648	4
SPRING STREET	PARK STREET	WHITE STREET	1,820	72	M & R	\$38.00	\$69,160	\$11,697	\$73,257	8
STETSON STREET	SCOTLAND ROAD	(LIMIT)	1,130	84	RECONSTRUCT	\$78.00	\$88,140	\$16,747	\$104,887	5
STIRLING AVENUE	MOSSWOOD AVENUE	(LIMIT)	3,340	90	SEAL COAT	\$18.00	\$60,120	\$11,423	\$71,543	1
STIRLING DRIVE EAST	STIRLING AVENUE	STIRLING DRIVE WEST	720	90	SEAL COAT	\$18.00	\$12,960	\$2,483	\$16,423	1
STIRLING DRIVE WEST	STIRLING AVENUE	STIRLING AVENUE	2,400	90	SEAL COAT	\$18.00	\$43,200	\$8,208	\$51,408	1
SUMMER STREET	WHITE STREET	PARK STREET	2,540	78	M & R	\$38.00	\$96,520	\$18,339	\$114,859	8
SYLVAN WAY	ELMWYND DRIVE	TREMONT AVENUE	2,100	78	M & R	\$38.00	\$79,800	\$15,162	\$94,962	8
TAYLOR STREET	SOUTH CENTER STREET	HICKORY STREET	2,500	85	M & R	\$38.00	\$95,000	\$18,060	\$113,060	10
THOMAS BOULEVARD	(BIRDS)	DOOD STREET	11,830	90	SEAL COAT	\$18.00	\$212,940	\$39,433	\$248,973	2
THOMAS BOULEVARD	DOOD STREET	WASHINGTON STREET	8,450	88	M & R	\$38.00	\$321,100	\$61,008	\$382,108	10
THOMAS STREET	COOGAN AVENUE	CARROLL STREET	2,450	42	RECONSTRUCT	\$78.00	\$191,100	\$36,309	\$327,409	1
TOMPkins PLACE	TOMPkins STREET	(END)	480	78	M & R	\$38.00	\$18,240	\$3,322	\$20,802	8
TOMPkins STREET	FREEMAN STREET	FOREST STREET	2,190	70	M & R	\$38.00	\$83,220	\$15,812	\$99,032	8
TONY SALENTO PLAZA	MAIN STREET	ESSEX AVENUE	880	60	RECONSTRUCT	\$78.00	\$68,640	\$14,624	\$86,964	1
TREMONT AVENUE	(LIMIT)	SYLVAN WAY	8,220	88	M & R	\$38.00	\$312,360	\$57,689	\$376,049	8
TREMONT AVENUE	SCOTLAND ROAD	(LIMIT)	4,490	72	M & R	\$38.00	\$170,420	\$33,140	\$207,560	6
TREMONT AVENUE	SYLVAN WAY	SCOTLAND ROAD	8,580	86	M & R	\$38.00	\$325,260	\$61,804	\$387,064	10
TREMONT COURT	TREMONT AVENUE	(END)	1,890	72	M & R	\$38.00	\$71,820	\$13,846	\$85,466	8
TREMONT PLACE	TREMONT AVENUE	TREMONT AVENUE	4,000	64	RECONSTRUCT	\$78.00	\$312,000	\$68,280	\$371,280	2
UNION STREET	VALLEY STREET	(LIMIT)	1,230	88	M & R	\$38.00	\$46,740	\$8,881	\$55,621	10
VALLEY STREET	FOREST STREET	(LIMIT)	11,720	74	M & R	\$38.00	\$445,360	\$84,819	\$529,979	7
VALLEY STREET	FREEMAN	FOREST	2,120	84	M & R	\$38.00	\$80,560	\$15,307	\$95,867	9
VALLEY STREET SPUR	FREEMAN	FOREST	1,180	84	M & R	\$38.00	\$44,860	\$8,378	\$52,458	10
VERNON PLACE	WATCHUNG AVENUE	MT. VERNON AVENUE	1,110	88	M & R	\$38.00	\$42,180	\$8,018	\$50,198	10
VOSS AVENUE	ARGYLE STREET	(LIMIT)	2,130	74	M & R	\$38.00	\$80,940	\$15,379	\$96,319	7
WALLACE STREET	PARK STREET	NORTH CENTER STREET	2,910	78	M & R	\$38.00	\$110,580	\$21,011	\$131,591	8
WALSH AVENUE	COOGAN AVENUE	BURNSIDE STREET	1,250	90	SEAL COAT	\$18.00	\$22,500	\$4,275	\$26,775	1
WARD STREET	PARK STREET	HILLYER STREET	2,510	68	M & R	\$38.00	\$95,380	\$18,123	\$113,503	8
WASHINGTON STREET	PARK PLACE	DOOD STREET	8,800	78	M & R	\$38.00	\$334,200	\$64,268	\$402,468	8
WASHINGTON STREET	MEADE STREET	DOOD STREET	4,080	88	M & R	\$38.00	\$154,280	\$28,314	\$183,994	10
WATCHUNG AVENUE	ALDEN STREET	PARK AVENUE	5,980	50	RECONSTRUCT	\$78.00	\$467,400	\$88,328	\$553,208	2
WAVERLY PLACE	SCOTLAND ROAD	(END)	1,300	78	M & R	\$38.00	\$49,400	\$9,386	\$58,786	7
WEBSTER PLACE	OAKWOOD AVENUE	(LIMIT)	1,840	88	M & R	\$38.00	\$69,920	\$11,119	\$80,639	10
WEST CHRISTOPHER STREET	VALLEY STREET	LIBERTY STREET	1,080	88	M & R	\$38.00	\$40,980	\$7,854	\$47,934	10
WHITE STREET	TOWNSHIP LINE	NORTH DAY STREET	3,780	50	RECONSTRUCT	\$78.00	\$294,840	\$58,020	\$350,860	1
WHITE STREET	(LIMIT)	HIGH STREET	6,740	64	RECONSTRUCT	\$78.00	\$447,720	\$85,087	\$532,787	2
WILLIAM STREET	PARK STREET	NORTH DAY STREET	4,740	88	M & R	\$38.00	\$180,120	\$34,223	\$214,343	8
WILLIAM STREET	PARK STREET	GLENWOOD AVE	4,800	78	M & R	\$38.00	\$182,400	\$35,378	\$221,578	7
WILLOW STREET	LINCOLN AVENUE	SCOTLAND STREET	1,150	84	RECONSTRUCT	\$78.00	\$89,700	\$17,043	\$106,743	5
WILSON PLACE	CENTRAL PLACE	OAKWOOD AVENUE	1,370	88	M & R	\$38.00	\$52,060	\$9,892	\$61,952	10

Pavement Management Program  
City of Orange Township, Essex County, New Jersey

Roadway Segments  
Listed by Road Condition Rating in 2016

STREETNAME	FROM	TO	SQUARE YARDS	ROAD CONDITION RATING 2016	RECOMMENDED TREATMENT 2016	COST PER SQUARE YARD	ESTIMATED CONSTRUCTION COST (2016 DOLLARS)	ESTIMATED ENGINEERING AND RETENTION COST	EST. AMOUNT PER SEGMENT	YEAR OF REPAIR
DOOD STREET	THOMAS BOULEVARD	WASHINGTON STREET	3,330	20	RECONSTRUCT	\$78.00	\$306,540	\$88,243	\$394,783	1
REOCK STREET	SOUTH DAY STREET	SOUTH CENTER STREET	1,320	30	RECONSTRUCT	\$78.00	\$102,960	\$19,553	\$122,513	1
SOUTH JEFFERSON STREET	McCHESNEY STREET	MITCHELL STREET	6,350	40	RECONSTRUCT	\$78.00	\$691,300	\$123,747	\$775,047	1
BURNSIDE STREET (CEMETERY)		WALSH AVENUE	3,490	42	RECONSTRUCT	\$78.00	\$272,220	\$51,722	\$323,942	1
THOMAS STREET	COOGAN AVENUE	CARROLL STREET	2,450	42	RECONSTRUCT	\$78.00	\$191,100	\$36,308	\$227,408	1
SOUTH ESSEX AVENUE	CENTRAL AVENUE	HENRY STREET	4,010	44	RECONSTRUCT	\$78.00	\$312,780	\$69,428	\$372,208	1
CAREY STREET	SCOTLAND ROAD	LAFAYETTE STREET	3,280	48	RECONSTRUCT	\$78.00	\$284,280	\$48,314	\$332,594	1
LAKESIDE AVENUE	WATCHUNG AVENUE	CLEVELAND STREET	6,660	48	RECONSTRUCT	\$78.00	\$484,880	\$88,328	\$573,208	1
NEW STREET	NORTH DAY STREET	PARK STREET	4,060	60	RECONSTRUCT	\$78.00	\$316,680	\$60,170	\$376,850	2
TONY GALENTO PLAZA	MAIN STREET	ESSEX AVENUE	960	60	RECONSTRUCT	\$78.00	\$78,440	\$14,524	\$92,964	1
WATCHUNG AVENUE	ALDEN STREET	PARK AVENUE	6,960	60	RECONSTRUCT	\$78.00	\$484,880	\$98,328	\$583,208	2
WHITE STREET	TOWNSHIP LINE	NORTH DAY STREET	3,780	60	RECONSTRUCT	\$78.00	\$294,840	\$58,020	\$352,860	1
GIST PLACE	CLEVELAND STREET	NORTH DAY STREET	1,840	62	RECONSTRUCT	\$78.00	\$143,520	\$27,268	\$170,788	2
OXFORD STREET	SOUTH CENTER STREET	OLCOTT STREET	1,520	64	RECONSTRUCT	\$78.00	\$149,760	\$28,455	\$178,215	2
TREMONT PLACE	TREMONT AVENUE	TREMONT AVENUE	4,000	64	RECONSTRUCT	\$78.00	\$312,000	\$68,280	\$371,280	2
WHITE STREET (LIMIT)		HIGH STREET	6,740	64	RECONSTRUCT	\$78.00	\$447,720	\$85,067	\$532,787	2
BERWICK STREET	LINCOLN AVENUE	BERKELEY AVENUE	3,610	68	RECONSTRUCT	\$78.00	\$291,880	\$63,501	\$355,381	1
HIGHLAND AVENUE	OLCOTT STREET	SCOTLAND ROAD	11,790	68	RECONSTRUCT	\$78.00	\$961,600	\$174,136	\$1,135,736	2
JOYCE STREET	SCOTLAND ROAD	(LIMIT)	2,740	68	RECONSTRUCT	\$78.00	\$213,720	\$40,807	\$254,527	3
LAFAYETTE STREET	CARY STREET	JOYCE STREET	1,260	68	RECONSTRUCT	\$78.00	\$98,280	\$18,574	\$116,854	2
MITCHELL STREET	SCOTLAND ROAD	(LIMIT)	2,180	68	RECONSTRUCT	\$78.00	\$170,040	\$32,306	\$202,346	2
OLCOTT STREET	EAST HIGHLAND AVENUE	RYNOLDS STREET	4,020	68	RECONSTRUCT	\$78.00	\$313,560	\$69,577	\$373,137	2
SOUTH DAY STREET	MAIN STREET	HENRY STREET	6,720	68	RECONSTRUCT	\$78.00	\$524,160	\$99,891	\$624,051	2
CANFIELD STREET	MAIN STREET	WILLIAM STREET	1,450	68	RECONSTRUCT	\$78.00	\$113,100	\$21,488	\$134,588	3
MERRILL COURT	SUMMER STREET	(END)	910	68	RECONSTRUCT	\$78.00	\$70,980	\$13,467	\$84,447	3
PARKVIEW TERRACE	SOUTH CENTER STREET	OLCOTT STREET	1,700	68	RECONSTRUCT	\$78.00	\$132,600	\$25,194	\$157,794	3
RIDGE COURT	WHITE STREET	(END)	990	68	RECONSTRUCT	\$78.00	\$76,440	\$14,524	\$90,964	3
FOREST STREET	SOUTH VALLEY ROAD	SCOTLAND ROAD	4,590	68	RECONSTRUCT	\$78.00	\$358,020	\$68,024	\$426,044	3
HILLYER STREET	ELM STREET	MAIN STREET	3,290	68	RECONSTRUCT	\$78.00	\$255,840	\$48,610	\$304,450	3
LINCOLN AVENUE	CENTRAL AVENUE	HEYWOOD AVENUE	20,070	68	RECONSTRUCT	\$78.00	\$1,585,460	\$297,438	\$1,882,898	4
MARYLAND STREET	SCOTLAND ROAD	BELL STREET	1,290	68	RECONSTRUCT	\$78.00	\$100,620	\$19,118	\$119,738	3
NORTH CENTER STREET	WASHINGTON STREET	PARK AVENUE	4,590	68	RECONSTRUCT	\$78.00	\$358,300	\$64,487	\$422,787	2
PARK PLACE	WASHINGTON STREET	PARK AVENUE	2,340	68	RECONSTRUCT	\$78.00	\$174,720	\$33,187	\$207,907	3
BERKELEY AVENUE	TREMONT AVENUE	(LIMIT)	12,060	62	RECONSTRUCT	\$78.00	\$940,880	\$178,730	\$1,119,610	3
BRADFORD STREET	WASHINGTON STREET	ALDEN STREET	2,800	62	RECONSTRUCT	\$78.00	\$218,400	\$41,486	\$259,886	2
IVY COURT	SOUTH CENTER STREET	(DEADEND)	1,130	62	RECONSTRUCT	\$78.00	\$88,140	\$16,747	\$104,887	3
LAWN RIDGE ROAD	SCOTLAND ROAD	IRVING TERRACE	6,840	62	RECONSTRUCT	\$78.00	\$533,520	\$101,360	\$634,880	6
PARKINSON TERRACE	MT. VERNON AVENUE	HIGH STREET	1,470	62	RECONSTRUCT	\$78.00	\$114,660	\$21,788	\$136,448	4
SOUTH VALLEY ROAD	FREEMAN	FOREST	1,660	62	RECONSTRUCT	\$78.00	\$145,080	\$27,568	\$172,648	4
BERKELEY ROAD	BERKELEY AVENUE	(END)	1,930	64	RECONSTRUCT	\$78.00	\$150,540	\$28,603	\$179,143	6
ELM STREET	HILLYER STREET	PARK STREET	3,020	64	RECONSTRUCT	\$78.00	\$235,560	\$44,757	\$280,317	6
NASSAU STREET	SCOTLAND ROAD	(LIMIT)	4,840	64	RECONSTRUCT	\$78.00	\$361,820	\$68,765	\$430,585	2
NORTH DAY STREET	MAIN STREET	WASHINGTON STREET	13,480	64	RECONSTRUCT	\$78.00	\$1,061,440	\$199,774	\$1,261,214	2
OAKWOOD AVENUE	EAST HIGHLAND AVENUE	CENTRAL AVENUE	6,080	64	RECONSTRUCT	\$78.00	\$474,240	\$90,106	\$564,346	6
ROBERTS ROAD	SEVEN OAKS ROAD	SEVEN OAKS ROAD	2,740	64	RECONSTRUCT	\$78.00	\$213,720	\$40,807	\$254,527	6
SEVEN OAKS ROAD	HIGHLAND AVENUE	HIGHLAND AVENUE	8,020	64	RECONSTRUCT	\$78.00	\$625,560	\$118,857	\$744,417	6
STETSON STREET	SCOTLAND ROAD	(LIMIT)	1,130	64	RECONSTRUCT	\$78.00	\$88,140	\$16,747	\$104,887	6
WILLOW STREET	LINCOLN AVENUE	SCOTLAND STREET	1,150	64	RECONSTRUCT	\$78.00	\$89,700	\$17,043	\$106,743	6

Pavement Management Program  
City of Orange Township, Essex County, New Jersey

Roadway Segments  
Listed by Road Condition Rating in 2016

START DATE	FROM	TO	LINEAL FEET	2016 ROAD CONDITION RATING	2016 ROAD CONDITION RATING	ESTIMATED COST PER LINEAL FOOT	ESTIMATED COST PER LINEAL FOOT	ESTIMATED COST PER LINEAL FOOT	ESTIMATED COST PER LINEAL FOOT	ESTIMATED COST PER LINEAL FOOT
WILLIAM STREET	PARK STREET	GLENWOOD AVE	4,800	78	M & R	\$38.00	\$183,200	\$38,578	\$221,578	7
HARRISON STREET	SOUTH CENTER STREET	(LIMIT)	2,400	78	M & R	\$38.00	\$91,200	\$17,328	\$108,828	7
HICKORY STREET	OLCOTT STREET	PARROW STREET	10,550	78	M & R	\$38.00	\$400,900	\$76,171	\$477,071	2
HIGHLAND TERRACE	HIGHLAND AVENUE	(END)	1,330	78	M & R	\$38.00	\$50,540	\$2,803	\$53,343	7
LIGHTHIPS PLACE	CARTERET PLACE	(DEADEND)	1,830	78	M & R	\$38.00	\$69,540	\$11,789	\$81,329	7
LINCOLN AVENUE	MAIN STREET	CENTRAL AVENUE	10,880	78	M & R	\$38.00	\$413,820	\$78,828	\$492,648	7
MECHANIC STREET	SOUTH DAY STREET	BOOTLAND ROAD	5,790	78	M & R	\$38.00	\$220,020	\$41,804	\$261,824	7
MOSSWOOD AVENUE	TREMONT AVENUE	(LIMIT)	4,910	78	M & R	\$38.00	\$186,580	\$35,461	\$222,041	7
OAKWOOD AVENUE	CENTRAL AVENUE	MAIN STREET	7,890	78	M & R	\$38.00	\$300,420	\$57,888	\$358,308	7
REYNOLDS STREET	SOUTH CENTER STREET	HICKORY STREET	2,600	78	M & R	\$38.00	\$98,800	\$18,880	\$117,680	7
SUMMER STREET	WHITE STREET	PARK STREET	2,640	78	M & R	\$38.00	\$100,320	\$19,336	\$119,656	8
SYLVAN WAY	ELMWOOD DRIVE	TREMONT AVENUE	2,100	78	M & R	\$38.00	\$79,800	\$15,162	\$94,962	8
TOMPONS PLACE	TOMPONS STREET	(END)	480	78	M & R	\$38.00	\$17,480	\$3,322	\$20,802	8
WALLACE STREET	PARK STREET	NORTH CENTER STREET	2,810	78	M & R	\$38.00	\$106,820	\$20,511	\$127,331	8
WASHINGTON STREET	PARK PLACE	DOOD STREET	3,800	78	M & R	\$38.00	\$144,200	\$27,458	\$171,658	8
CRANE STREET	LINCOLN AVENUE	SOUTH ESSEX AVENUE	2,380	80	M & R	\$38.00	\$90,220	\$17,238	\$107,458	8
MAIN STREET	HIGH STREET	(LIMIT)	66,480	80	M & R	\$38.00	\$2,546,880	\$407,858	\$3,054,738	8
MT. VERNON AVENUE	PARK AVENUE	LAKESIDE AVENUE	4,340	80	M & R	\$38.00	\$164,120	\$31,813	\$195,933	8
PARK STREET	MAIN STREET	NEW STREET	2,890	80	M & R	\$38.00	\$109,620	\$20,811	\$130,431	8
PIERSON STREET	SOUTH CENTER STREET	HICKORY STREET	2,630	80	M & R	\$38.00	\$100,140	\$19,287	\$119,427	8
SOUTH CENTER STREET	HIGHLAND AVENUE	CENTRAL AVENUE	6,740	80	M & R	\$38.00	\$256,120	\$48,683	\$304,803	8
ALDEN STREET	WATCHUNG AVENUE	HIGH STREET	4,320	82	M & R	\$38.00	\$164,160	\$31,191	\$195,351	8
ALSTIN PLACE	FOREST STREET	(END)	890	82	M & R	\$38.00	\$33,720	\$6,480	\$40,200	8
CLARENDON PLACE	CARTERET PLACE	LINCOLN AVENUE	3,020	82	M & R	\$38.00	\$114,760	\$21,806	\$136,566	8
CLEVELAND STREET	WHITE STREET	MAIN STREET	4,440	82	M & R	\$38.00	\$168,720	\$32,057	\$200,777	8
COOGAN AVENUE	THOMAS STREET	ORANGE ROAD	860	82	M & R	\$38.00	\$32,680	\$6,259	\$38,939	8
ELIZABETH STREET	CLEVELAND STREET	NORTH DAY STREET	2,310	82	M & R	\$38.00	\$87,780	\$16,879	\$104,659	8
FLAGG STREET	FOREST STREET	(END)	460	82	M & R	\$38.00	\$17,480	\$3,322	\$20,802	8
HAWTHORNE STREET	HIGHT STREET	NORTH DAY STREET	3,140	82	M & R	\$38.00	\$119,320	\$22,871	\$142,191	8
KEARNEY ROAD	LAWRIDGE ROAD	(LIMIT)	820	82	M & R	\$38.00	\$31,160	\$6,043	\$37,203	8
MORRIS STREET	SCOTLAND ROAD	VALLEY STREET	3,820	82	M & R	\$38.00	\$145,560	\$27,937	\$173,497	8
NORTH ESSEX AVENUE	PARK AVENUE	WHITE STREET	2,280	82	M & R	\$38.00	\$86,640	\$16,618	\$103,258	8
NORTH JEFFERSON STREET	MAIN STREET	WHITE STREET	3,600	82	M & R	\$38.00	\$136,800	\$26,262	\$163,062	8
SOUTH CENTER STREET	HARRISON STREET	HIGHLAND AVENUE	5,830	82	M & R	\$38.00	\$221,540	\$42,693	\$264,233	8
SOUTH ESSEX AVENUE	HENRY STREET	MAIN STREET	5,980	82	M & R	\$38.00	\$227,240	\$43,778	\$271,018	8
ARGYLE AVENUE	BOOTLAND ROAD	(END)	5,280	84	M & R	\$38.00	\$200,640	\$38,194	\$238,834	8
CHURCH STREET	MCCHESNEY STREET	NASSAU STREET	1,680	84	M & R	\$38.00	\$63,840	\$12,281	\$76,121	8
CLEVELAND STREET	WHITE STREET	PARK AVENUE	2,880	84	M & R	\$38.00	\$109,440	\$20,794	\$130,234	8
CLEVELAND STREET	WASHINGTON STREET	PARK AVENUE	4,830	84	M & R	\$38.00	\$183,540	\$35,253	\$218,793	8
MANOR TERRACE	MAIN STREET	(END)	1,980	84	M & R	\$38.00	\$75,240	\$14,258	\$89,498	8
OAKWOOD PLACE	CENTRAL AVENUE	WILSON PLACE	2,060	84	M & R	\$38.00	\$78,280	\$14,874	\$93,154	8
REYNOLDS TERRACE	SOUTH CENTER STREET	CARTERET PLACE	2,830	84	M & R	\$38.00	\$107,140	\$20,567	\$127,707	8
SOUTH CENTER STREET	CENTRAL AVENUE	FREEDWAY DRIVE EAST	5,440	84	M & R	\$38.00	\$206,720	\$39,277	\$246,007	8
SOUTH JEFFERSON STREET	MITCHELL STREET	MAIN STREET	11,710	84	M & R	\$38.00	\$444,980	\$84,947	\$529,927	8
VALLEY STREET	FREEMAN	FOREST	2,120	84	M & R	\$38.00	\$80,560	\$15,307	\$95,867	8
VALLEY STREET SPUR	FREEMAN	FOREST	1,180	84	M & R	\$38.00	\$44,840	\$8,576	\$53,416	10
ALDEN PLACE	CLEVELAND STREET	ALDEN STREET	1,300	88	M & R	\$38.00	\$49,600	\$9,388	\$58,988	10
ALDEN STREET	HIGH STREET	NORTH DAY STREET	4,210	88	M & R	\$38.00	\$159,820	\$30,307	\$190,127	10



# ROADWAY SEGMENTS

LISTED BY YEAR OF REPAIR

PAVEMENT MANAGEMENT PROGRAM, CITY OF ORANGE TOWNSHIP, NJ

Pavement Management Program  
City of Orange Township, Essex County, New Jersey

Roadway Segments  
Listed by Year of Repair

STREET NAME	FROM	TO	SQUARE YARDS	ROAD CONDITION	RECOMMENDED TREATMENT	CRACK SEAL COST (200 DOLLARS)	ESTIMATED CONSTRUCTION COST (200 DOLLARS)	ESTIMATED ENGINEERING INSPECTION COST	ESTIMATED PRELIMINARY PROFESSIONAL	YEAR OF REPAIR
OGDEN STREET	CENTRAL AVENUE	REYNOLDS STREET	2,330	82	SEAL COAT	\$18.00	\$41,940	\$7,969	\$49,909	3
LINCOLN AVENUE	CENTRAL AVENUE	HEYWOOD AVENUE	20,070	80	RECONSTRUCT	\$78.00	\$1,568,460	\$287,438	\$1,852,898	4
PARKINSON TERRACE	MT. VERNON AVENUE	HIGH STREET	1,470	82	RECONSTRUCT	\$78.00	\$114,860	\$21,786	\$138,446	4
SOUTH VALLEY ROAD	FREEMAN	FOREST	1,860	82	RECONSTRUCT	\$78.00	\$145,080	\$27,588	\$172,948	4
HAYWARD STREET	CARROLL STREET	NORTH PARK STREET	2,520	66	M & R	\$38.00	\$95,760	\$18,195	\$113,958	4
HENRY STREET	SOUTH DAY STREET	SOUTH CENTER STREET	2,380	66	M & R	\$38.00	\$90,448	\$17,184	\$107,634	4
FAIRVIEW AVENUE	SCOTLAND ROAD	BERKELEY AVENUE	6,310	66	SEAL COAT	\$18.00	\$113,580	\$21,881	\$135,161	4
NEW ENGLAND TERRACE	SCOTLAND ROAD	LINCOLN AVENUE	2,800	66	SEAL COAT	\$18.00	\$45,000	\$8,550	\$53,550	4
LAWN RIDGE ROAD	SCOTLAND ROAD	IRVING TERRACE	6,540	62	RECONSTRUCT	\$78.00	\$533,620	\$101,369	\$634,889	6
BERKELEY ROAD	BERKELEY AVENUE	(END)	1,530	64	RECONSTRUCT	\$78.00	\$150,540	\$28,603	\$179,143	6
ELM STREET	HILLYER STREET	PARK STREET	3,020	64	RECONSTRUCT	\$78.00	\$235,560	\$44,787	\$280,317	6
OAKWOOD AVENUE	EAST HIGHLAND AVENUE	CENTRAL AVENUE	6,080	64	RECONSTRUCT	\$78.00	\$474,240	\$90,108	\$564,348	6
ROBERTS ROAD	SEVEN OAKS ROAD	SEVEN OAKS ROAD	2,740	64	RECONSTRUCT	\$78.00	\$213,720	\$40,607	\$254,327	6
SEVEN OAKS ROAD	HIGHLAND AVENUE	HIGHLAND AVENUE	8,820	64	RECONSTRUCT	\$78.00	\$625,680	\$118,857	\$744,417	6
STETSON STREET	SCOTLAND ROAD	JEFFERSON ROAD	1,130	64	RECONSTRUCT	\$78.00	\$88,140	\$16,747	\$104,887	6
WILLOW STREET	LINCOLN AVENUE	SCOTLAND STREET	1,190	64	RECONSTRUCT	\$78.00	\$98,700	\$17,043	\$115,743	6
TREMONT AVENUE	(LIMIT)	SYLVAN WAY	6,220	66	M & R	\$38.00	\$198,360	\$37,889	\$236,049	6
ADRIANNE COURT	HIGHLAND AVENUE	(END)	700	68	SEAL COAT	\$18.00	\$14,220	\$2,702	\$16,922	6
BURNSIDE PLACE	MEADE STREET	BURNSIDE STREET	420	68	SEAL COAT	\$18.00	\$7,560	\$1,437	\$8,997	6
BURNSIDE STREET	WASHINGTON STREET	(CEMETERY - END)	3,700	68	SEAL COAT	\$18.00	\$66,600	\$12,654	\$79,254	6
FULLER TERRACE	HIGHLAND AVENUE	SOUTH CENTER STREET	3,790	68	SEAL COAT	\$18.00	\$68,040	\$12,828	\$80,868	6
BEECH STREET	SCOTLAND ROAD	(LIMIT)	4,380	68	M & R	\$38.00	\$166,220	\$31,695	\$198,915	6
HAXTUN AVENUE	STIRLING AVENUE	TREMONT AVENUE	4,860	68	M & R	\$38.00	\$185,000	\$36,241	\$153,141	6
LAUREL STREET	SCOTLAND ROAD	LINCOLN AVENUE	1,370	68	M & R	\$38.00	\$52,060	\$9,892	\$61,952	6
WARD STREET	PARK STREET	HILLYER STREET	2,510	68	M & R	\$38.00	\$95,380	\$18,123	\$113,503	6
WILLIAM STREET	PARK STREET	NORTH DAY STREET	4,740	68	M & R	\$38.00	\$180,120	\$34,223	\$214,343	6
COLUMBIA STREET	LINCOLN AVENUE	SOUTH ESSEX AVENUE	1,450	70	M & R	\$38.00	\$55,100	\$10,469	\$65,569	6
ELMWOOD DRIVE	BERKELEY AVENUE	SOUTH CENTER STREET	6,930	70	M & R	\$38.00	\$263,340	\$50,035	\$313,375	6
HICKORY STREET	REYNOLDS STREET	CENTRAL AVENUE	2,120	70	M & R	\$38.00	\$80,940	\$15,379	\$96,319	6
MADISON STREET	BELL STREET	JEFFERSON STREET	1,470	70	M & R	\$38.00	\$55,860	\$10,814	\$66,674	6
MALCOLM PLACE	VALLEY STREET	EAST CLARK PLACE	1,000	70	M & R	\$38.00	\$38,000	\$7,220	\$45,220	6
TOMPKINS STREET	FREEMAN STREET	FOREST STREET	2,190	70	M & R	\$38.00	\$83,220	\$15,812	\$99,032	6
AUSTIN ROAD	SOUTH CENTER STREET	ELMWOOD DRIVE	3,430	72	M & R	\$38.00	\$130,340	\$24,765	\$155,105	6
BELL STREET	MAIN STREET	MADISON STREET	4,000	72	M & R	\$38.00	\$152,000	\$28,890	\$180,890	6
HEYWOOD AVENUE	SCOTLAND ROAD	SOUTH CENTER STREET	15,510	72	M & R	\$38.00	\$588,380	\$111,863	\$701,353	6
OGDEN STREET	REYNOLDS STREET	OXFORD STREET	1,780	72	M & R	\$38.00	\$67,640	\$12,852	\$80,492	6
SPRING STREET	PARK STREET	WHITE STREET	1,820	72	M & R	\$38.00	\$69,160	\$13,087	\$82,267	6
TREMONT AVENUE	SCOTLAND ROAD	(LIMIT)	4,890	72	M & R	\$38.00	\$174,420	\$33,140	\$207,560	6
TREMONT COURT	TREMONT AVENUE	(END)	1,890	72	M & R	\$38.00	\$71,820	\$13,646	\$85,466	6
BALDWIN TERRACE	MT. VERNON AVENUE	PARKINSON TERRACE	1,890	74	M & R	\$38.00	\$71,820	\$13,646	\$85,466	6
BEECHWOOD COURT	MOSSHOOD AVE	(END)	1,090	74	M & R	\$38.00	\$41,420	\$7,870	\$49,290	6
CARROLL STREET	THOMAS STREET	HAYWARD STREET	2,180	74	M & R	\$38.00	\$82,080	\$15,696	\$97,676	6
CLAY STREET	OAKWOOD AVENUE	(LIMIT)	990	74	M & R	\$38.00	\$37,240	\$7,076	\$44,316	6
EAST HIGHLAND AVENUE	OAKWOOD AVENUE	(LIMIT)	2,110	74	M & R	\$38.00	\$80,180	\$15,235	\$95,415	6
IRVING TERRACE	HEYWOOD AVENUE	(LIMIT)	2,180	74	M & R	\$38.00	\$82,760	\$15,823	\$98,583	6
LIBERTY STREET	UNION STREET	(END)	2,170	74	M & R	\$38.00	\$82,460	\$15,668	\$98,128	6
LINDEN ROAD	JEFFERSON	RIDGE	2,480	74	M & R	\$38.00	\$94,240	\$17,906	\$112,146	6
MARYLAND PLACE	MARYLAND STREET	(END)	610	74	M & R	\$38.00	\$23,180	\$4,405	\$27,585	6
NORTH CENTER STREET	MAIN STREET	PARK AVENUE	6,000	74	M & R	\$38.00	\$228,000	\$43,320	\$271,320	6
RAILROAD PLACE	SOUTH ESSEX AVENUE	SOUTH DAY STREET	1,880	74	M & R	\$38.00	\$71,440	\$13,130	\$84,570	6
MONROE STREET	JEFFERSON STREET	BELL STREET	1,850	88	SEAL COAT	\$18.00	\$33,300	\$6,327	\$39,627	6
RIDGE STREET	WHITE STREET	MAIN STREET	3,870	88	SEAL COAT	\$18.00	\$69,660	\$13,238	\$82,898	6
SNYDER STREET	NORTH DAY STREET	PARK STREET	3,490	88	SEAL COAT	\$18.00	\$62,820	\$11,836	\$74,756	6

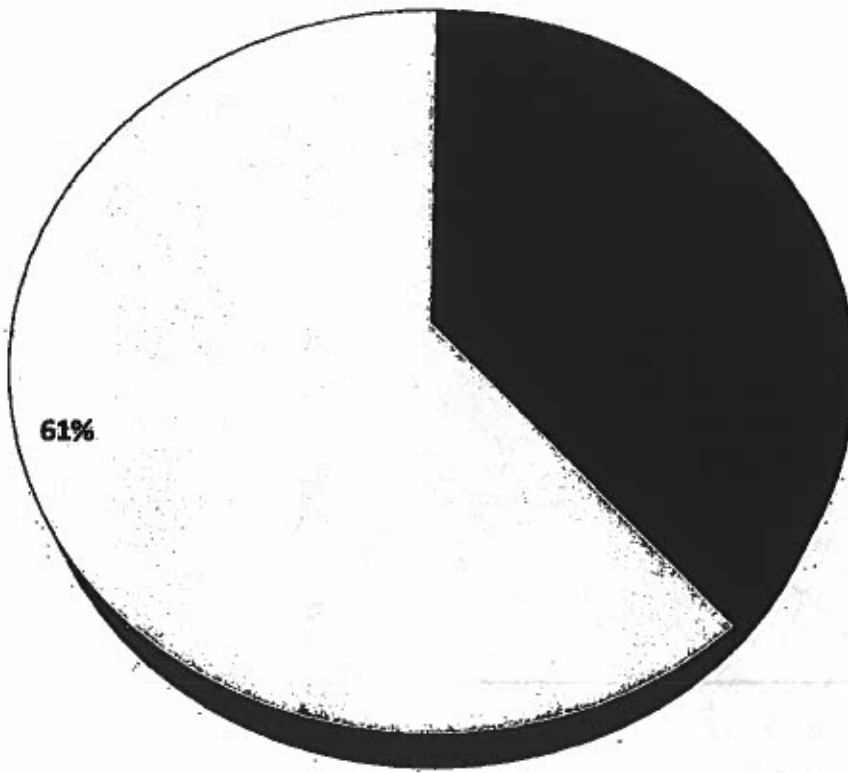


Pavement Management Program  
City of Orange Township, Essex County, New Jersey

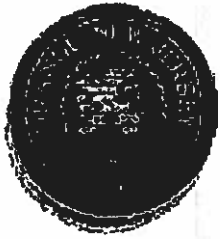
Roadway Segments  
Listed by Year of Repair

CURB/ROAD	SEGMENT	TO	ROUTE MILES	ROAD CONDITION RATING	RECOMMENDED TREATMENT	ESTIMATED COST	ESTIMATED COST PER YEAR	ESTIMATED COST PER YEAR	ESTIMATED COST PER YEAR	ESTIMATED COST PER YEAR
PARK STREET	NEW STREET	(LIMIT)	2,390	100	SEAL COAT	\$18.00	\$43,020	\$5,174	\$51,184	9
SOUTH CENTER STREET	HIGHLAND AVENUE	CENTRAL AVENUE	6,740	80	M & R	\$38.00	\$256,120	\$48,863	\$304,783	9
ALDEN STREET	WATCHUNG AVENUE	HIGH STREET	4,820	82	M & R	\$38.00	\$184,160	\$21,181	\$198,391	9
AUSTIN PLACE	FOREST STREET	(END)	690	82	M & R	\$38.00	\$26,420	\$4,280	\$36,690	9
CLARENDON PLACE	CARTERET PLACE	LINCOLN AVENUE	3,020	82	M & R	\$38.00	\$114,760	\$21,806	\$136,566	9
CLEVELAND STREET	WHITE STREET	MAIN STREET	4,440	82	M & R	\$38.00	\$168,720	\$32,067	\$200,777	9
COOGAN AVENUE	THOMAS STREET	ORANGE ROAD	650	82	M & R	\$38.00	\$24,700	\$3,850	\$42,850	9
ELIZABETH STREET	CLEVELAND STREET	NORTH DAY STREET	2,310	82	M & R	\$38.00	\$87,780	\$18,679	\$104,459	9
FLAGG STREET	FOREST STREET	(END)	480	82	M & R	\$38.00	\$17,480	\$3,322	\$20,802	9
HAWTHORNE STREET	HIGHT STREET	NORTH DAY STREET	3,140	82	M & R	\$38.00	\$119,320	\$22,871	\$141,881	9
KEASBEY ROAD	LAWNSIDE ROAD	(LIMIT)	820	82	M & R	\$38.00	\$31,160	\$5,843	\$41,603	9
MORRIS STREET	SCOTLAND ROAD	VALLEY STREET	3,620	82	M & R	\$38.00	\$137,560	\$26,137	\$163,697	9
NORTH ESSEX AVENUE	PARK AVENUE	WHITE STREET	2,360	82	M & R	\$38.00	\$90,080	\$16,318	\$107,198	9
NORTH JEFFERSON STREET	MAIN STREET	WHITE STREET	3,650	82	M & R	\$38.00	\$138,100	\$26,582	\$168,782	9
SOUTH CENTER STREET	HARRISON STREET	HIGHLAND AVENUE	5,820	82	M & R	\$38.00	\$221,540	\$42,083	\$263,623	9
SOUTH ESSEX AVENUE	HENRY STREET	MAIN STREET	5,880	82	M & R	\$38.00	\$223,240	\$43,176	\$270,416	9
ARGYLE AVENUE	SCOTLAND ROAD	(END)	5,390	84	M & R	\$38.00	\$205,020	\$38,194	\$238,214	9
CHURCH STREET	MACHESENEY STREET	NASSAU STREET	1,050	84	M & R	\$38.00	\$39,900	\$7,581	\$47,481	9
CLEVELAND STREET	WHITE STREET	PARK AVENUE	2,850	84	M & R	\$38.00	\$108,440	\$20,794	\$130,234	9
CLEVELAND STREET	WASHINGTON STREET	PARK AVENUE	3,820	84	M & R	\$38.00	\$145,540	\$27,753	\$209,293	9
MANOR TERRACE	MAIN STREET	(END)	1,880	84	M & R	\$38.00	\$71,240	\$14,395	\$89,635	9
OAKWOOD PLACE	CENTRAL AVENUE	WILSON PLACE	2,080	84	M & R	\$38.00	\$78,240	\$14,874	\$95,154	9
REYNOLDS TERRACE	SOUTH CENTER STREET	CARTERET PLACE	2,620	84	M & R	\$38.00	\$99,140	\$18,267	\$114,407	9
SOUTH CENTER STREET	CENTRAL AVENUE	FREWAY DRIVE EAST	3,440	84	M & R	\$38.00	\$130,720	\$24,977	\$205,697	9
SOUTH JEFFERSON STREET	MITCHELL STREET	MAIN STREET	11,710	84	M & R	\$38.00	\$444,980	\$84,847	\$529,827	9
VALLEY STREET	FREEMAN	FOREST	2,120	84	M & R	\$38.00	\$80,960	\$15,307	\$95,967	9
VALLEY STREET SPUR	FREEMAN	FOREST	1,180	84	M & R	\$38.00	\$44,960	\$8,376	\$52,456	9
ALDEN PLACE	CLEVELAND STREET	ALDEN STREET	1,300	86	M & R	\$38.00	\$49,400	\$9,368	\$58,768	10
ALDEN STREET	HIGH STREET	NORTH DAY STREET	4,210	86	M & R	\$38.00	\$160,980	\$30,307	\$190,377	10
COCHER STREET / KING STREET	SCOTLAND ROAD	JOYCE STREET	1,450	86	M & R	\$38.00	\$55,100	\$10,489	\$65,589	10
ELLIOT PLACE	HARRISON STREET	(LIMIT)	690	86	M & R	\$38.00	\$26,220	\$4,982	\$31,202	10
HAMPTON TERRACE	OAKWOOD AVENUE	(LIMIT)	1,080	86	M & R	\$38.00	\$41,420	\$7,870	\$48,290	10
LAWSON STREET	MORRIS STREET	MACHESENEY STREET	6,290	86	M & R	\$38.00	\$240,020	\$45,184	\$230,214	10
SOUTH CENTER STREET	FREWAY DRIVE WEST	MAIN STREET	2,220	86	M & R	\$38.00	\$84,360	\$16,039	\$100,399	10
TAYLOR STREET	SOUTH CENTER STREET	HICKORY STREET	2,900	86	M & R	\$38.00	\$99,000	\$18,050	\$113,050	10
THOMAS BOULEVARD	DOOD STREET	WASHINGTON STREET	8,450	86	M & R	\$38.00	\$321,100	\$61,009	\$382,109	10
TREMONT AVENUE	SYLVAN WAY	SCOTLAND ROAD	4,580	86	M & R	\$38.00	\$173,240	\$33,004	\$206,244	10
WEBSTER PLACE	OAKWOOD AVENUE	(LIMIT)	1,540	86	M & R	\$38.00	\$58,520	\$11,119	\$69,639	10
CENTRAL PLACE	PARRON STREET	CENTRAL AVENUE	3,320	88	M & R	\$38.00	\$126,160	\$23,971	\$150,131	10
CHAPEL STREET	PARK AVENUE	WHITE STREET	2,280	88	M & R	\$38.00	\$86,640	\$16,318	\$102,958	10
DIANE STREET	PARK AVENUE	WASHINGTON STREET	3,840	88	M & R	\$38.00	\$146,320	\$27,725	\$173,045	10
HENRY STREET	LINCOLN AVENUE	SOUTH DAY STREET	4,220	88	M & R	\$38.00	\$160,740	\$30,181	\$190,921	10
MATTHEWS STREET	FRANKFORD STREET	HENRY STREET	1,420	88	M & R	\$38.00	\$53,960	\$10,253	\$64,213	10
MINTON PLACE	LINCOLN AVENUE	SCOTLAND ROAD	2,820	88	M & R	\$38.00	\$107,160	\$20,436	\$127,596	10
NORTH ESSEX AVENUE	MAIN STREET	WHITE STREET	3,560	88	M & R	\$38.00	\$135,280	\$25,920	\$160,340	10
SOUTH CENTER STREET	(LIMIT)	HARRISON STREET	4,400	88	M & R	\$38.00	\$167,200	\$31,768	\$198,968	10
UNION STREET	VALLEY STREET	(LIMIT)	1,220	88	M & R	\$38.00	\$46,360	\$8,821	\$55,821	10
VERNON PLACE	WATCHUNG AVENUE	MT. VERNON AVENUE	1,110	88	M & R	\$38.00	\$42,180	\$8,015	\$50,195	10
WASHINGTON STREET	MEADE STREET	DOOD STREET	4,080	88	M & R	\$38.00	\$155,040	\$29,514	\$184,554	10
WEST CHRISTOPHER STREET	VALLEY STREET	LIBERTY STREET	1,080	88	M & R	\$38.00	\$40,740	\$7,854	\$47,594	10
WILSON PLACE	CENTRAL PLACE	OAKWOOD AVENUE	1,370	88	M & R	\$38.00	\$52,060	\$9,992	\$61,952	10

### Roadway Treatments



■ RECONSTRUCT   ■ MILL & RESURFACE   ■ SEAL COAT



**THE CITY OF  
ORANGE TOWNSHIP**



Pavement Management  
**PROGRAM**

TECHNICAL REPORT – NOVEMBER 2018

K. Wendell Bibbs, P.E., C.M.E.

One Harmon Plaza, Suite 210

SECAUCUS, NEW JERSEY 07094



(201) 624-2137



(201) 624-2136



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**REMINGTON  
& VERNICK  
ENGINEERS**

## Pennoni Cost Estimate for 2018 City of Orange Paving Plan

STREET NAME	FROM	TO	ESTIMATED PROJECT TOTAL
REOCK STREET	SOUTH DAY STREET	SOUTH CENTER STREET	\$ 107,184.00
NORTH DAY STREET	PARK AVE	WILLIAM STREET	\$ 728,364.00
NASSAU STREET	SCOTLAND ROAD	S. VALLEY ROAD	\$ 557,612.00
WASHINGTON STREET	DODD STREET	N. CENTER STREET	\$ 311,557.44
SOUTH JEFFERSON STREET	McCHESNEY STREET	MITCHELL STREET	\$ 678,020.00
THOMAS STREET	COOGAN AVENUE	CARROLL STREET	\$ 198,940.00
SOUTH ESSEX AVENUE	CENTRAL AVENUE	HENRY STREET	\$ 325,612.00
CARY STREET	SCOTLAND ROAD	LAFAYETTE STREET	\$ 264,712.00
NEW STREET	NORTH DAY STREET	PARK STREET	\$ 329,672.00
TONY GALENTO PLAZA	MAIN STREET	ESSEX AVENUE	\$ 79,576.00
WATCHUNG AVENUE	ALDEN STREET	PARK AVENUE	\$ 483,952.00
WHITE STREET	HIGH STREET	N. DAY STREET	\$ 306,936.00
GIST PLACE	CLEVELAND STREET	NORTH DAY STREET	\$ 149,408.00
OXFORD STREET	SOUTH CENTER STREET	OLCOTT STREET	\$ 155,904.00
TREMONT PLACE	TREMONT AVENUE	TREMONT AVENUE	\$ 324,800.00
WHITE STREET	N. DAY STREET	E. OF ASHLAND ST (WEST ORANGE BORDER)	\$ 466,088.00
HIGHLAND AVENUE	OLCOTT STREET	SCOTLAND ROAD	\$ 954,100.00
LAFAYETTE STREET	CARY STREET	JOYCE STREET	\$ 102,312.00
MITCHELL STREET	SCOTLAND ROAD	E. STOCKMAN STREET (WEST ORANGE BORDER)	\$ 177,016.00
OLCOTT STREET	EAST HIGHLAND AVENUE	REYNOLDS STREET	\$ 326,424.00
SOUTH DAY STREET	MAIN STREET	HENRY STREET	\$ 545,664.00
CARTERET PLACE	HIGHLAND AVENUE	CENTRAL AVENUE	\$ 349,774.80
CLAIRMONT TERRACE	SYLVAN WAY	SOUTH CENTER STREET	\$ 295,556.40
BERWYN STREET	OAKWOOD AVENUE	BERWYN STREET (EAST ORANGE BORDER)	\$ 30,276.00
STIRLING AVENUE	MOSSWOOD AVENUE	STERLING DR E. (SOUTH ORANGE BORDER)	\$ 69,739.20
STIRLING DRIVE EAST	STIRLING AVENUE	STIRLING DRIVE WEST	\$ 15,033.60
STIRLING DRIVE WEST	STIRLING AVENUE	STIRLING AVENUE	\$ 50,112.00
THOMAS BOULEVARD	DODD STREET	BRIDGE LOCATED AT SENIOR CITIZENS BUILDING OF	\$ 240,746.40
WALSH AVENUE	COOGAN AVENUE	BURNSIDE STREET	\$ 26,100.00
BRADFORD STREET	ALDEN STREET	WASHINGTON STREET	\$ 191,748.00
HICKORY STREET	FREEWAY	CENTRAL AVENUE	\$ 327,352.00
HILLSIDE AVE	SCOTLAND ROAD	BERKLEY STREET	\$ 351,758.40
<b>TOTALS:</b>			<b>\$ 9,522,050.24</b>
<b>SAY:</b>			<b>\$ 9,712,500.00</b>



**WILENTZ**  
—ATTORNEYS AT LAW—

As always, please do not hesitate to call me if you have any questions.

Very truly yours,

*Everett M. Johnson*

EVERETT M. JOHNSON



**“Appropriation Condition”** means the procedural appropriation by the State for the Project through the inclusion of the Project on the Project Priority List (which Project Priority List is required pursuant to the Act) in an appropriation amount equal to or greater than the Principal amount of the Loan then due and payable by the Borrower pursuant to the terms hereof.

**“Authorized Officer”** means any person authorized by the Borrower or the I-Bank, as the case may be, to perform any act or execute any document relating to the Loan or this Note.

**“Code”** means the Internal Revenue Code of 1986, as the same may from time to time be amended and supplemented, including any regulations promulgated thereunder, any successor code thereto and any administrative or judicial interpretations thereof.

**“Cost”** means those costs that are allocable to the Project, as shall be determined on a project-specific basis in accordance with the Financial Plan, as further set forth in Exhibit B hereto, (i) as such Exhibit B shall be supplemented by an Authorized Officer of the I-Bank by means of either a substitute Exhibit B or an additional Exhibit B, such supplement to be implemented concurrently with the supplement to Exhibit A hereto (as provided in the definition of “Project” as set forth herein), and (ii) as the then-current Exhibit B may be amended by subsequent changes to eligible costs as evidenced by a certificate of an Authorized Officer of the I-Bank.

**“Event of Default”** means any occurrence or event specified in Section 6 hereof.

**“Financial Plan”** means the “Project Prioritization System, Project Priority List, and Financial Plan,” dated May 2018, as prepared, submitted and updated from time to time pursuant to the requirements of the Act.

**“I-Bank Bonds”** means the revenue bonds of the I-Bank to be issued pursuant to and as part of the Anticipated Financing Program.

**“Interest Rate”** means, with respect to each disbursement of proceeds of the Loan: (a) to the extent that such disbursement is funded exclusively from moneys appropriated to the I-Bank, for the Short-Term Loan Program of the I-Bank, pursuant to an appropriations act of the State, the Interest Rate shall equal 0.00%; and (b) to the extent that any portion of such disbursement is funded from available moneys of the I-Bank borrowed by the I-Bank from a financial institution pursuant to a line of credit or other similar financial instrument, the Interest Rate shall equal a blended rate of interest that shall be determined by the I-Bank at the commencement of each State fiscal year; provided, however, that portion of the Principal of the Loan that is allocable to the Administrative Fee may be determined by the Authorized Officer of the I-Bank, in his or her discretion, to bear interest at a rate of 0.00% as an alternative to the rate of interest that otherwise would be applicable to such portion of the Principal of the Loan pursuant to the terms hereof.

**“Interest”** means the interest charged on disbursed funds at the Interest Rate and payable by the Borrower to the I-Bank (i) on the Maturity Date or (ii) with respect to any optional prepayment or acceleration of the Loan pursuant to the terms of this Note, on the date of such optional prepayment or acceleration, as the case may be.

"State" means the State of New Jersey.

**SECTION 2. Representations of the Borrower.** The Borrower represents and warrants to the I-Bank as follows:

(a) Organization. The Borrower: (i) is a municipal corporation duly created and validly existing under and pursuant to the Constitution and laws of the State; (ii) has full legal right and authority to execute, attest and deliver this Note, to issue and sell this Note to the I-Bank, and to perform its obligations hereunder; and (iii) has duly authorized, approved and consented to all necessary action to be taken by the Borrower for: (A) the issuance of this Note, the sale thereof to the I-Bank and the due performance of its obligations hereunder; and (B) the execution, delivery and due performance of all certificates and other instruments that may be required to be executed, delivered and performed by the Borrower in order to carry out and give effect to this Note.

(b) Authority. This Note has been duly authorized by the Borrower and duly executed, attested and delivered to the I-Bank by Authorized Officers of the Borrower. This Note has been duly issued by the Borrower and duly sold by the Borrower to the I-Bank, and constitutes a legal, valid and binding obligation of the Borrower, enforceable against the Borrower in accordance with its terms, except as the enforcement thereof may be affected by bankruptcy, insolvency or other laws or the application by a court of legal or equitable principles affecting creditors' rights.

(c) Pending Litigation. There are no proceedings pending or, to the knowledge of the Borrower, threatened against or affecting the Borrower that, if adversely determined, would adversely affect (i) the condition (financial or otherwise) of the Borrower, (ii) the ability of the Borrower to satisfy all of its Loan repayment obligations hereunder, (iii) the authorization, execution, attestation or delivery of this Note, (iv) the issuance of this Note and the sale thereof to the I-Bank, and (v) the Borrower's ability otherwise to observe and perform its duties, covenants, obligations and agreements under this Note.

(d) Compliance with Existing Laws and Agreements; Governmental Consent. (i) The due authorization, execution, attestation and delivery of this Note by the Borrower and the issuance and sale of this Note to the I-Bank, (ii) the observation and performance by the Borrower of its duties, covenants, obligations and agreements hereunder, including, without limitation, the repayment of the Loan and all other amounts due hereunder, and (iii) the undertaking and completion of the Project, will not (A) other than the lien, charge or encumbrance created by this Note and by any other outstanding debt obligations of the Borrower that are at parity with this Note as to lien on, and source and security for payment thereon from, the general tax revenues of the Borrower, result in the creation or imposition of any lien, charge or encumbrance upon any properties or assets of the Borrower pursuant to, (B) result in any breach of any of the terms, conditions or provisions of, or (C) constitute a default under, any existing ordinance or resolution, outstanding debt or lease obligation, trust agreement, indenture, mortgage, deed of trust, loan agreement or other instrument to which the Borrower is a party or by which the Borrower, its Project or any of its properties or assets may be bound, nor will such

(d) Financing with Tax-Exempt Bonds. The Borrower acknowledges, covenants and agrees that it is the intention of the Borrower to finance the Project, in whole or in part, on a long-term basis with proceeds of I-Bank Bonds now or hereinafter issued, the interest on which is excluded from gross income for purposes of federal income taxation pursuant to Section 103(a) of the Code ("tax- exempt bonds"). In furtherance of such long-term financing with tax-exempt bonds, the Borrower covenants that, except to the extent expressly permitted in writing by the I-Bank, in its sole discretion, the Borrower will not take any action or permit any action to be taken which would result in any of the proceeds of the Loan being used (directly or indirectly) (i) in any "private business use" within the meaning of Section 141(b)(6) of the Code, (ii) to make or finance loans to persons other than the Borrower, or (iii) to acquire any "nongovernmental output property" within the meaning of Section 141(d)(2) of the Code. In addition, the Borrower covenants and agrees that no portion of the Project will be investment property, within the meaning of Section 148(b) of the Code. The Borrower covenants and agrees that any Costs of the Borrower's Project to be paid or reimbursed with proceeds of the Loan will result in the expenditure of proceeds under Treasury Regulations §1.148-6(d) and Treasury Regulations §1.150-2.

(e) Operation and Maintenance of the Project. The Borrower covenants and agrees that it shall maintain its Project in good repair, working order and operating condition, and make all necessary and proper repairs and improvements with respect thereto.

(f) Records and Accounts; Inspections. The Borrower covenants and agrees that it shall keep accurate records and accounts for its Project, separate and distinct from its other records and accounts, which shall be audited annually by an independent registered municipal accountant and shall be made available for inspection by the I-Bank upon prior written notice. The Borrower shall permit the I-Bank to inspect the Project.

(g) Insurance. The Borrower covenants and agrees that it shall maintain insurance policies providing against risk of direct physical loss, damage or destruction of its Project, in an amount that will satisfy all applicable regulatory requirements. The Borrower covenants and agrees that it shall include, or cause to be included, the I-Bank as an additional "named insured" on any certificate of liability insurance procured by the Borrower and by any contractor or subcontractor for the Project.

(h) Reliance. The Borrower hereby acknowledges that the I-Bank is making the Loan to the Borrower pursuant to the terms hereof in reliance upon each of the covenants of the Borrower set forth in this Section 3.

#### **SECTION 4. Disbursement of the Loan Proceeds; Amounts Payable; Prepayment; and Late Fee.**

(a) The I-Bank shall effectuate the Loan to the Borrower by making one or more disbursements to the Borrower promptly after receipt by the I-Bank of a Loan Disbursement Requisition and the approval of such Loan Disbursement Requisition by an Authorized Officer of the I-Bank or designee thereof, each such disbursement and the date thereof to be recorded by



Rate; and (v) the I-Bank has no obligation pursuant to this Note to make all or any portion of any Loan Disbursement Requisition disbursement pursuant to the provisions of this Section 4 if the Borrower has violated or otherwise failed to strictly comply with either (A) the default limitations set forth in Section II(C) of the Terms and Conditions or (B) any one or more of the Scheduling Milestones.

**SECTION 5. Unconditional Obligations.** The direct, general obligation of the Borrower to make the Loan repayments and all other payments required hereunder and the obligation to perform and observe the other duties, covenants, obligations and agreements on its part contained herein shall be absolute and unconditional, and shall not be abated, rebated, set-off, reduced, abrogated, terminated, waived, diminished, postponed or otherwise modified in any manner whatsoever while any Loan repayments, or any other payments due hereunder, remain unpaid, regardless of any contingency, act of God, event or cause whatsoever, including (without limitation) any acts or circumstances that may constitute failure of consideration, eviction or constructive eviction, the taking by eminent domain or destruction of or damage to the Project, commercial frustration of the purpose, any change in the laws of the United States of America or of the State or any political subdivision of either or in the rules or regulations of any governmental authority, any failure of the I-Bank to perform and observe any agreement or any duty, liability or obligation arising out of this Note, or any rights of set-off, recoupment, abatement or counterclaim that the Borrower might have against the I-Bank or any other party; provided, however, that payments hereunder shall not constitute a waiver of any such rights.


**SECTION 6. Events of Default.** The following events shall constitute an "Event of Default" hereunder: (i) failure by the Borrower to pay, when due, any and all of its Loan repayment obligations hereunder, and any other payment obligations due hereunder; (ii) failure by the Borrower to observe and perform any duty, covenant, obligation or agreement on its part to be observed or performed pursuant to the terms of this Note, including, without limitation, strict compliance with the Scheduling Milestones (as required by the provisions of Section 3(a) hereof); (iii) any representation made by the Borrower contained in this Note or in any instrument furnished in compliance with or with reference to this Note is false or misleading in any material respect; and (iv) a petition is filed by or against the Borrower under any federal or state bankruptcy or insolvency law or other similar law in effect on the date of this Note or thereafter enacted, unless in the case of any such petition filed against the Borrower such petition shall be dismissed within thirty (30) days after such filing and such dismissal shall be final and not subject to appeal, or the Borrower shall become insolvent or bankrupt or shall make an assignment for the benefit of its creditors, or a custodian of the Borrower or any of its property shall be appointed by court order or take possession of the Borrower or its property or assets if such order remains in effect or such possession continues for more than thirty (30) days.

**SECTION 7. Remedies upon Event of Default.** Whenever an Event of Default shall have occurred and be continuing pursuant to the terms hereof, the Borrower hereby acknowledges and agrees to the rights of the I-Bank to take any action permitted or required at law or in equity to collect the amounts then due and thereafter to become due hereunder or to enforce the observance and performance of any duty, covenant, obligation or agreement of the Borrower hereunder. If an Event of Default shall have occurred, the Borrower hereby acknowledges and agrees that the I-Bank shall have the right to (i) immediately cease

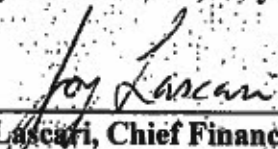
IN WITNESS WHEREOF, the Borrower has caused this Note to be duly executed, sealed and delivered on the date first above written.

CITY OF ORANGE TOWNSHIP, IN THE  
COUNTY OF ESSEX,  
STATE OF NEW JERSEY

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

  
Dwayne D. Warren, Mayor

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

  
Joy Lascafi, Chief Financial Officer

[SEAL]

  
Joyce Lanier, Clerk