

CITY COUNCIL

The City of Orange Township, New Jersey

DATE August 7, 2024

NUMBER 352-2024

TITLE: A RESOLUTION AUTHORIZING APPROVAL TO SUBMIT A GRANT APPLICATION AND EXECUTE A GRANT AGREEMENT WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION FOR THE NJDOT 2025 REPAVEMENT OF HEYWOOD AVENUE.

WHEREAS, the City of Orange Township seeks to maintain transportation infrastructure in a quality state of repair; and

WHEREAS, the Township has identified three priority municipal roads that are in need of reconstruction and repaving: Heywood Ave (between Scotland Road and East Orange Border); and

WHEREAS, the New Jersey Department of Transportation has Fiscal Year 2025 Municipal Aid Program funding available to support the improvement of the one priority road segment.

NOW, THEREFORE, BE IT RESOLVED that the Council of the City of Orange Township, formally approves the grant application for the above state project.

BE IT FURTHER RESOLVED that the Mayor of the City of Orange Township and Municipal Clerk are hereby authorized to submit an electronic grant application identified as *MA-2025-Heywood Ave Improvements Project-00118* to the New Jersey Department of Transportation on behalf of the City of Orange Township.

BE IT FURTHER RESOLVED that the Mayor of the City of Orange Township and Municipal Clerk are hereby authorized to sign the grant agreement on behalf of the City of Orange Township and that their signature constitutes acceptance of the terms and conditions of the grant agreement and approves the execution of the grant agreement.

Adopted: August 7, 2024

Joyce L. Lanier
City Clerk

Adrienne K. Wooten
Council President

The Mayor's signature and the Clerk's seal serve to acknowledge the above resolution and constitute acceptance of the terms and conditions of the grant agreement and approve the execution of the grant agreement as authorized by the resolution above.

ATTEST and AFFIX SEAL

Joyce L. Lanier
City Clerk

Hon. Dwayne D. Warren, Esq.
Mayor



CITY ATTORNEY

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Document Information: [MA-2025-Heywood Avenue Improvements Project-00118](#)

[Details](#)

Info	Document Type	Organization	Role	Current Status	Period Date / Date Due
	Application	 Orange City Township	Agency Administrator	Application Submitted	04/29/2024 - 07/01/2024 07/01/2024 11:59PM

DOCUMENT SNAPSHOT

Total Cost: \$1,201,575.60

Project Limits: From: Scotland Road

To: Berkeley Avenue

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Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118

Type of Improvement: 1

Infrastructure

Purpose

- | | |
|--|--|
| <input type="checkbox"/> Bikeway | Primary project purpose is for constructing new bikeways (e.g. bike lanes, bike paths, bike compatible roadways). |
| <input type="checkbox"/> Bridge Preservation | Primary project purpose is for improving the condition of bridge infrastructure (e.g. new deck, rehabilitation, replacement). |
| <input type="checkbox"/> Mobility | Primary project purpose is to enhance mobility and reduce congestion (e.g. adding lanes, signal optimization). |
| <input type="checkbox"/> Pedestrian Safety | Primary project purpose is to enhance pedestrian safety (e.g. new sidewalks, new crosswalks, traffic calming, pedestrian overpass). |
| <input type="checkbox"/> Quality of Life | Primary project purpose is for beautification, environmental mitigation, economic development or historic preservation. |
| <input checked="" type="checkbox"/> Roadway Preservation | Primary project purpose is for improving the condition of roadway infrastructure (e.g. resurfacing, reconstruction, drainage). |
| <input type="checkbox"/> Roadway Safety | Primary project purpose is to enhance vehicular safety (e.g. guide rail, signing, warning devices, striping). |
| <input type="checkbox"/> Pavement Preservation | Primary project purpose is to renew the road surface and correct irregularities while preserving and protecting the underlying pavement structure. |

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Project Information: Heywood Avenue Improvements Project

Project Title:

DO NOT use generic names like “Various Streets”, “Roadway Resurfacing Program”, “2025 Resurfacing program” for project title. We encourage you to use more specific names like “Main St, First Ave, and Second St Improvements”. Please refrain from typing project names in all capital letters.

Heywood Avenue Improvements Project

GIS Upload

Please click on the link below to open the GIS mapping tool. Once the GIS mapping tool is opened, please use the drawing tool to show the new project limits. Once you have identified the project limits, please download the map from the GIS mapping tool and upload it in the GIS Map field below.

All project locations must be entered into the GIS.

GIS Mapping tool: <http://njdotlocalaidrc.com/mapmaker>

GIS

Map: https://njsage.intelligrants.com/_Upload/3133205_2330948-Orange-MunicipalAidFY25HeywoodAve-NJDOTGISMapsandRoadwayMap.pdf

Once project limits are identified on the map, please enter the Project Location information in the fields below.

There is a limit of 3 locations per application. Applications submitted with more than 3 locations may be ineligible for funding.

	Location	From:	To:	Route Identifier	Milepost From	Milepost To	Project Distance
1.	Heywood Avenue	Scotland Road	Berkeley Avenue	07171011	0	0.25	0.27
2.	Heywood Avenue	Berkeley Avenue	South Center Street (East Orange Border)	07171011	0.3	0.7	0.42

Traffic Volume Truck Traffic Commuter Bus Route Construction Cost

Municipal Aid Application 2025

MA-2025-Heywood Avenue Improvements Project-00118

Project Information: Heywood Avenue Improvements Project

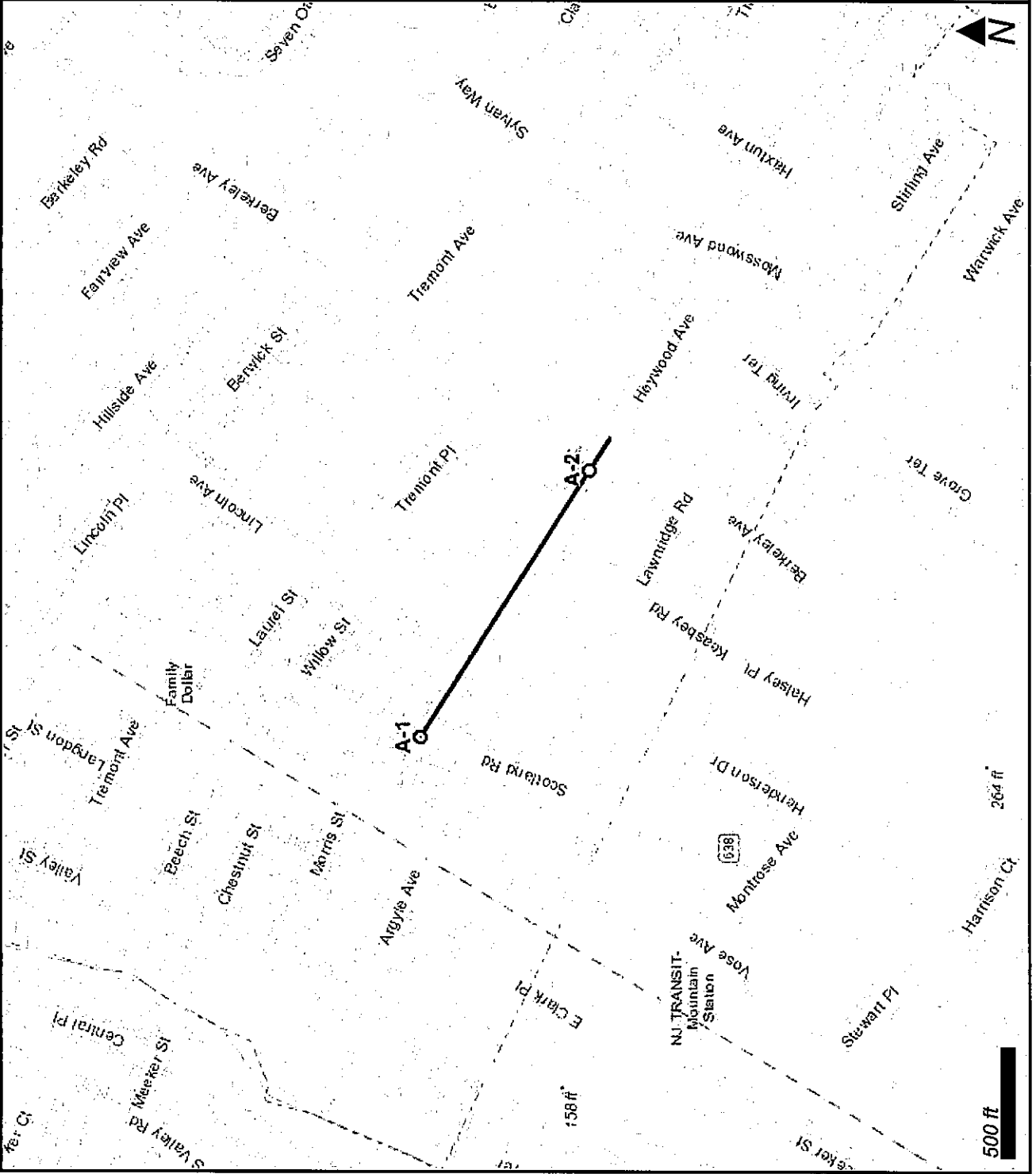
	Current ADT	Over 5 tons (%)	(Yes/No)	
1.	0	0	Yes () No (<input checked="" type="checkbox"/>)	\$492,043.48
2.	0	0	Yes () No (<input checked="" type="checkbox"/>)	\$709,532.11
3.			Yes () No ()	

Heywood Avenue (Scotland Rd to Berkeley Ave)

Heywood Ave

— Project Location		
○ Nearest SRI Mile Point		
#	MP	Standard Route ID
A-1	0	07171011
A-2	0.25	07171011

Total Length: 0.27 miles



NEW JERSEY

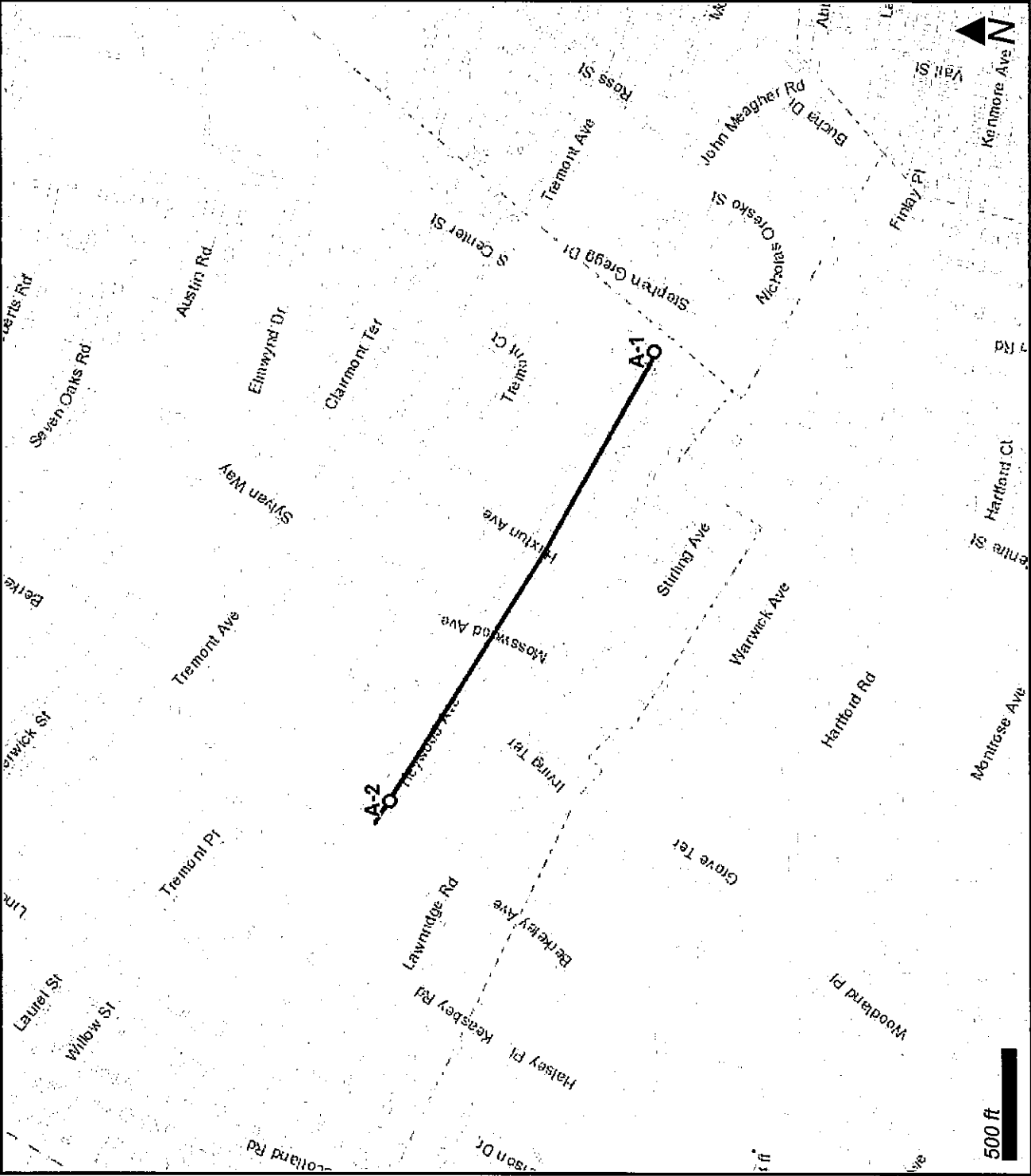
NEW JERSEY

City of Orange Township
Essex County

Heywood Avenue (Berkeley Ave to East Orange Border)

Heywood Ave

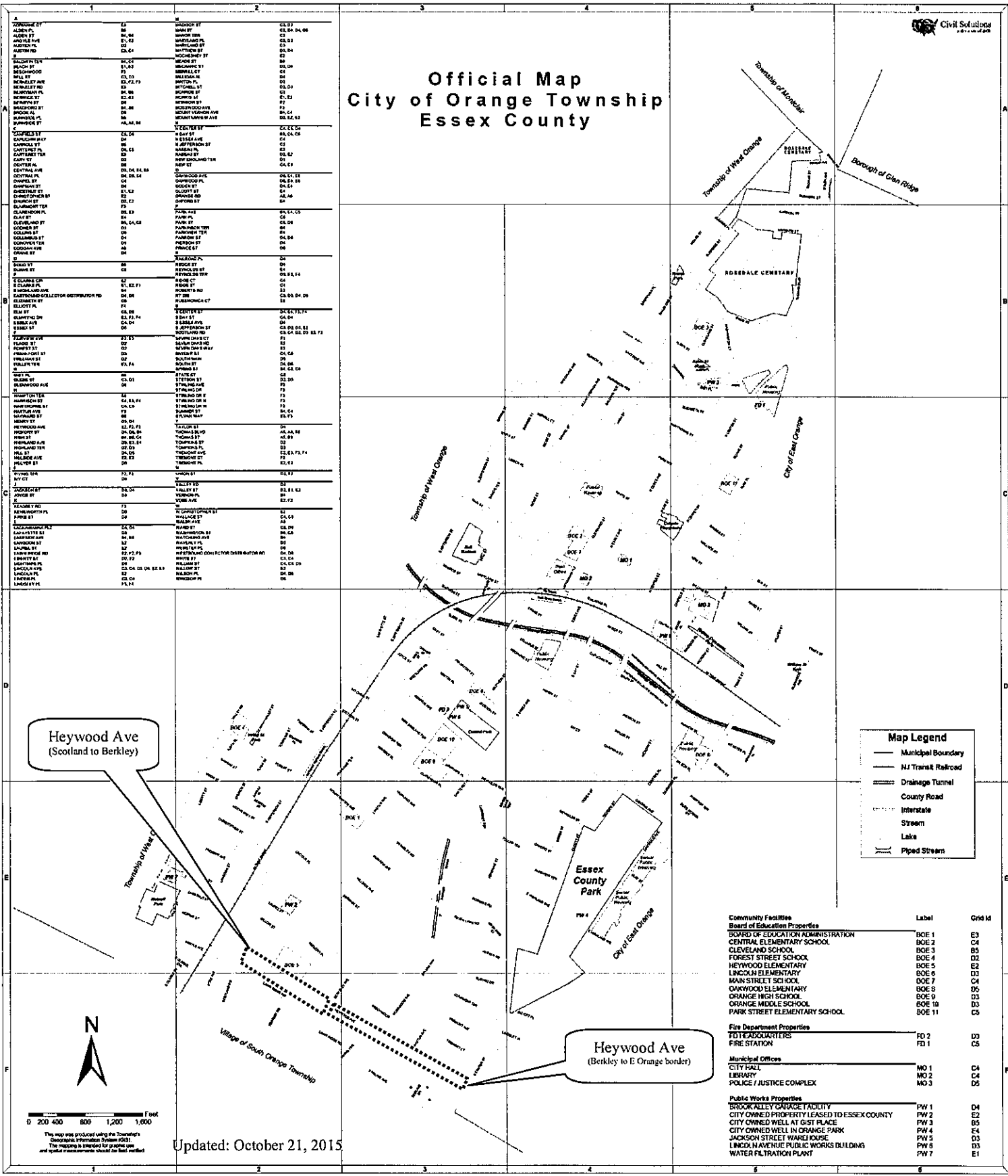
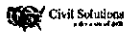
— Project Location	
○ Nearest SRI Mile Point	
#	MP
A-1	0.7
A-2	0.3
Total Length: 0.42 miles	



City of Orange Township Essex County

Orange Roads: NJDOT 2024

Official Map City of Orange Township Essex County



ADAMS ST	01	WADSWORTH ST	03 07
ALLEN ST	04 06	WADSWORTH ST	03 08
ANDRUS AVE	01 02	WADSWORTH PL	03 09
AUSTIN RD	03 04	WADSWORTH ST	03 10
BALDWIN ST	04 05	WADSWORTH ST	03 11
BALDWIN ST	04 06	WADSWORTH ST	03 12
BALDWIN ST	04 07	WADSWORTH ST	03 13
BALDWIN ST	04 08	WADSWORTH ST	03 14
BALDWIN ST	04 09	WADSWORTH ST	03 15
BALDWIN ST	04 10	WADSWORTH ST	03 16
BALDWIN ST	04 11	WADSWORTH ST	03 17
BALDWIN ST	04 12	WADSWORTH ST	03 18
BALDWIN ST	04 13	WADSWORTH ST	03 19
BALDWIN ST	04 14	WADSWORTH ST	03 20
BALDWIN ST	04 15	WADSWORTH ST	03 21
BALDWIN ST	04 16	WADSWORTH ST	03 22
BALDWIN ST	04 17	WADSWORTH ST	03 23
BALDWIN ST	04 18	WADSWORTH ST	03 24
BALDWIN ST	04 19	WADSWORTH ST	03 25
BALDWIN ST	04 20	WADSWORTH ST	03 26
BALDWIN ST	04 21	WADSWORTH ST	03 27
BALDWIN ST	04 22	WADSWORTH ST	03 28
BALDWIN ST	04 23	WADSWORTH ST	03 29
BALDWIN ST	04 24	WADSWORTH ST	03 30
BALDWIN ST	04 25	WADSWORTH ST	03 31
BALDWIN ST	04 26	WADSWORTH ST	03 32
BALDWIN ST	04 27	WADSWORTH ST	03 33
BALDWIN ST	04 28	WADSWORTH ST	03 34
BALDWIN ST	04 29	WADSWORTH ST	03 35
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BALDWIN ST	04 90	WADSWORTH ST	03 96
BALDWIN ST	04 91	WADSWORTH ST	03 97
BALDWIN ST	04 92	WADSWORTH ST	03 98
BALDWIN ST	04 93	WADSWORTH ST	03 99
BALDWIN ST	04 94	WADSWORTH ST	04 00

Heywood Ave
(Scotland to Berkeley)

Heywood Ave
(Berkeley to E Orange border)

	Municipal Boundary
	NJ Transit Railroad
	Drainage Tunnel
	County Road
	Interstate
	Stream
	Lake
	Piped Stream

Community Facilities	Label	Grid Id
Board of Education Properties		
BOARD OF EDUCATION ADMINISTRATION	BOE 1	E3
CENTRAL ELEMENTARY SCHOOL	BOE 2	C4
CLEVELAND SCHOOL	BOE 3	B5
FOREST STREET SCHOOL	BOE 4	D2
HEYWOOD ELEMENTARY	BOE 5	E2
LINCOLN ELEMENTARY	BOE 6	D3
MAIN STREET SCHOOL	BOE 7	C4
ORANGEWOOD ELEMENTARY	BOE 8	D5
ORANGE TECH SCHOOL	BOE 9	D3
PARK STREET ELEMENTARY SCHOOL	BOE 10	D3
	BOE 11	C5
Fire Department Properties		
FIREHEADQUARTERS	FD 2	D3
FIRE STATION	FD 1	C5
Municipal Offices		
CITY HALL	MO 1	C4
LIBRARY	MO 2	C4
POLICE / JUSTICE COMPLEX	MO 3	D5
Public Works Properties		
BROOKDALE GARAGE FACILITY	PW 1	D4
CITY OWNED PROPERTY LEASED TO ESSEX COUNTY	PW 2	E2
CITY OWNED WELL AT GIST PLACE	PW 3	B5
CITY OWNED WELL IN ORANGE PARK	PW 4	E4
JACKSON STREET WARD HOUSE	PW 5	D3
LINCOLN AVENUE PUBLIC WORKS BUILDING	PW 6	D3
WATER FILTRATION PLANT	PW 7	E1



0 200 400 800 1,200 1,600 Feet

Updated: October 21, 2015

This map was produced using GIS Technology Information Systems (GIS). The accuracy is intended for general use and spatial measurements should be field verified.

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Project Location

County to filter by: Essex County

Municipalities: Orange City Township

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Scope Of Work

Please provide description for Scope of Work:

The City of Orange Township is respectfully requesting \$1,201,575.59 in funding from the New Jersey Department of Transportation's (NJ DOT) FY2025 Municipal Aid Program for the Heywood Avenue Improvements project. The resurfacing improvements to Heywood Avenue will take place in two sections from Scotland Road to Berkeley Avenue and from Berkely Avenue to South Center Street at the border of neighboring East Orange. The project span is approximately 3,646 linear feet (0.691 miles) of roadway with many cracks, potholes, and uneven surfaces from deterioration due to age and use.

The two sections of Heywood Avenue within the project area are home to approximately 100 property lots, mostly single family residential homes as well as a number of multifamily dwellings and apartments. The Heywood Avenue Elementary School (Pre-K – 7th grade with more than 350 students enrolled) is also situated on Heywood Avenue. The East Orange VA Medical Center, which is part of the extensive part of the VA New Jersey Health Care System, is also located at the end of Heywood Avenue.

The project improvements involve the construction of new sidewalks and enhanced curbing, milling and paving of new asphalt roadway, and installation of detectable warning surfaces, traffic markings, and signage. The project scope will significantly improve safety by improving roadway conditions, adequately protecting pedestrian pathways and crossings, and implementing modern safety standards to reduce the potential for accidents.

The overall scope of this project includes the full resurfacing of the roadway, including the installation of new curbing and sidewalk. Specific line-item activities to be completed as a part of this project include the following:

- Excavation, unclassified, if & where directed
- Breakaway barricades, construction signs, traffic cones, and traffic directors, if & where directed
- Regulatory and warning signs
- Tree & stump removal. 12"-24", if and where directed
- Hma milling, 3" or less
- Dense graded aggregate base course, 6" thick, if & where directed
- Hot mix asphalt 9.5m64 surface course, 2" thick, if & where directed
- Hot mix asphalt 19m64 base course; 4" thick, if & where directed
- Hot mix asphalt 9.5m64 driveway repair strip, 4" thick
- Detectable warning surface
- Traffic stripes, long-life thermoplastic, 4" yellow
- Traffic stripes, long-life thermoplastic, 6" white
- Traffic stripes, long-life thermoplastic, 24" white
- Concrete driveway, 6" thick reinforced
- Concrete sidewalk, 4" thick
- 9"x18" concrete vertical curb
- Tack coat
- Reset manhole, sanitary sewer, using existing casting
- Reset water valve box

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118

Scope Of Work

- Reset gas valve box
- Reset inlet casting
- Straw mulching, if & where directed
- Fertilizing & seeding, type a-3, if & where directed
- Topsoiling, 4" thick, if & where directed

Further details related to the above activities including the items, quantity, and unit pricing are located within the engineer's preliminary cost estimates attached to this application.

The total anticipated timeframe for completing this project is 24 months from the date of award. All proposed project activities will be completed in accordance with the American Association of State Highway and Transportation Officials (AASHTO), Manual on Uniform Traffic Control Devices (MUTCD), and Americans with Disabilities Act (ADA) guidelines and requirements. The project will be completed in accordance with the guidelines and procedures that have been established by the NJDOT Municipal Aid Program and Local Aid Resource Center.

Investing in the repaving and improvement of Orange's infrastructure will allow the City to address existing roadway damage and mitigate future issues. The comprehensive infrastructure and safety upgrades within the project ensure that improvements will have a lasting positive impact on the community. Funding for this project will directly support Orange's Master Plan strategic vision to make the City's streets safe, accessible, easy to navigate, and attractive for residents, commuters, and business-related transportation. The successful completion will reinforce trust the City's commitment enhance safety within the project area.

You may include photos with your application by uploading the file here:

https://njsage.intelligrants.com/Upload/3133209_2330489-Orange-MunicipalAidFY25HeywoodAve-PhotoBooklet.pdf

Does this project include a traffic signal? Yes No

If **Yes**, Please attach authorization to design or install if available.

Will the project meet AASHTO standards? Yes No

Project must adhere to ADA design and construction standards as per AASHTO.

If **No**, list Design Exceptions below



Photo #1 – Viewing northwest along Heywood Avenue at the intersection of Scotland Road



Photo #2 – Damaged Bluestone curb along Heywood Avenue



Photo #3 – Viewing northeast on Heywood Avenue towards Berkeley Avenue

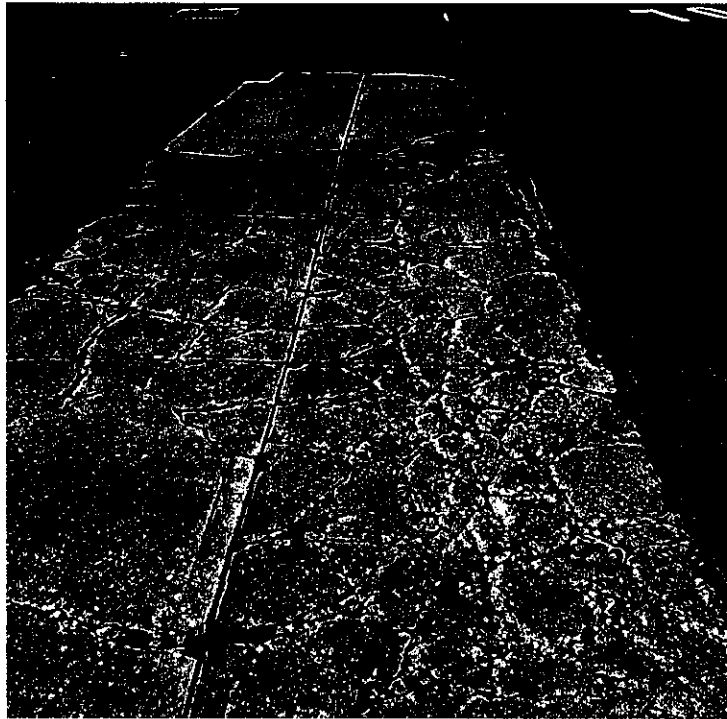


Photo #1 – Damaged sidewalk along Heywood Avenue



Photo #2 – Damaged driveway on Heywood Avenue



Photo #3 – Damaged sidewalk along Heywood Avenue

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Roadway Data Sheet

Project Classification

Please check the one most applicable:

- Resurfacing
- Reconstruction
- Surface Treatment
- Drainage
- Widening
- New Roadway

Existing Road Conditions. Please enter minimum widths (where applicable).

Current ADT: 0

Truck Traffic over 5 Tons (%): 0

Legal Speed Limit (mph): 25

Are there any commuter bus stops within the project limit? Yes No
Please identify the approximate location in the box below.

Right of Way Width (feet): 55

Pavement Width (feet): 35

Shoulder Width (feet): 0

Curbing: One Side Both Sides Neither

Sidewalk: One Side Both Sides Neither

Existing Minimum Width (feet):

Parking Restrictions: No Parking 2:00am to 6:00am

Proposed Improvements. Please enter minimum widths (if applicable).

Right of Way Width (feet): 55

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Roadway Data Sheet

Pavement Width (feet): 35

Shoulder Width (feet): 0

Curbing: () One Side () Both Sides () Neither

Sidewalk: () One Side () Both Sides () Neither

Proposed Minimum Width (feet): 0

Parking Restrictions: No Parking 2:00am to 6:00am

Does the project serve any of the public facilities listed below within the project limit? () Yes () No

Public School(K-12)

Does the project include any of the FHWA Proven Safety Countermeasures Improvements below? () Yes () No

<https://highways.dot.gov/safety/proven-safety-countermeasures>

If so, please check all applicable.

Speed Management

Pedestrian/Bicyclist

Roadway Departure

Crosscutting

Intersections

If yes to the previous question, provide a narrative describing the proposed improvement and why it was chosen for this application.

Is the proposed project located within a census block group where the demographic index is 80% or higher? () Yes () No

If yes, please provide the relevant data to support your response using data from EPA Environmental Justice Screening Tool (EJ SCREEN)

<https://ejscreen.epa.gov/mapper/>

Note: This should include percentages of people of color and low-income individuals as well as the Demographic index of the project block group(s).

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Roadway Data Sheet

Yes, a majority of the project location of Heywood Avenue is situated within a census blockgroup where the demographic index is 80-90%. According to the EJScreen Community Report tool provided by the US EPA, most of Heywood Avenue is located within blockgroup (340130188003), with a population of 1,582 in an area of 0.16 square miles. According to the report, 98% of the population within this blockgroup are people of color (91% Black, 7% Hispanic, 2% White), and 29% of the population is low income. Unfortunately, Heywood Avenue shows signs of age and wear, including numerous cracks, potholes, and depressions, making it increasingly difficult to drive on. Given the poor condition of Heywood Avenue, the City has prioritized making necessary upgrades to the roadway which will improve the lives of the residents within the blockgroup who use the roadway each and every day.

Unfortunately, many of the City's public services and programs are underfunded and must rely on subsidies from state and federal funds to carry out these impactful projects. The City has experienced economic loss and hardship for decades as manufacturing, business, and residential populations have left the area. These factors have led to an ever-diminishing tax base for the City while also contributing to urban decay due to vacant and abandoned properties. In New Jersey, Orange ranks 21st out of the 565 boroughs, townships, and cities on the State's Municipal Revitalization Index (MRI). This means that Orange sits in the top 5% of New Jersey communities identified for additional funding, including needs-based distributions. Orange is also a New Jersey Urban Aid Municipality, a designation given to the state's most distressed municipalities to help channel funding, resources, and support.

As designated by the NJ DEP, the City of Orange Township is a 100% NJ Environmental Justice Community. Orange faces a number of social and economic challenges beyond the disproportionate environmental and public health stressors of an urban community which was split by 12 combined lanes of I-280 and Freeway Drive in the 1960s. The City is also in close proximity to the Port of Elizabeth, the second busiest economic port in the nation, which contributes to greater pollution and poorer air quality in Orange. The City's land area is only 2.2 square miles, and with a population per square mile of 15,565 residents, Orange is more than 12 times as dense than New Jersey's 1,263 population per square mile.

Orange itself is one of the most diverse communities in the state. According to the US Census, Orange's population of 33,678 residents is as follows: 60.7% Black, 30.8% Hispanic / Latino, 7.7% two or more races, and 4.9% White alone. 42.9% of residents are foreign born and almost half of households speak a primary language other than English at home. In Orange, 21.6% of residents live below the poverty line, compared to 15.1% of residents in Essex County and 10.2% of residents across New Jersey. The per capita income in Orange is just \$25,194, a number 40% less than Essex County's \$42,028 per capita income and 46% less than New Jersey's \$46,691 per capita income.

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Total Estimated Cost of Improvement

Construction Cost: \$1,018,284.40

Please attach a Detailed Construction Cost Estimate
(Word, Excel, or PDF format please)

https://njsage.intelligrants.com/_Upload/3151824_2330496-Orange-MunicipalAidFY25HeywoodAve-EngineeringEstimates.pdf

Design Engineering: \$91,645.60
(Eligible for up to 5% of Grant Amount)

Right-of-Way: \$0
(List only if eligible for Urban Aid or as a Depressed Rural Center)

Construction Inspection and Material Testing if requesting: \$91,645.60
(15% of the final allowable construction cost maximum)

Total Estimated Cost: **\$1,201,575.60**

Total Requested Amount **\$1,201,575.60**

You will be able to submit a maximum of 2 applications. If you have submitted or plan to submit other applications, please prioritize your applications by assigning them a priority rating. Use number 1 for the highest priority. If you only plan to submit this application, please enter 1 as the priority rating: 1



Engineer's Estimate - Heywood Ave (Scotland Road to Berkeley Avenue)

PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

PROJECT NAME: HEYWOOD AVENUE ROADWAY IMPROVEMENT
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
PROJECT NUMBER: COORT24004P

DATE: 6/24/2024
PREPARED BY: MB
APPROVED BY: SH

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	20	CY	\$ 25.00	\$ 500.00
2	HMA MILLING, 3" OR LESS	5,500	SY	\$ 5.00	\$ 27,500.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	550	SY	\$ 6.00	\$ 3,300.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK, IF & WHERE DIRECTED	908	TON	\$ 100.00	\$ 90,800.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	121	TON	\$ 100.00	\$ 12,100.00
6	TACK COAT	870	GAL	\$ 5.00	\$ 4,350.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	280	SY	\$ 40.00	\$ 11,200.00
8	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	1	UNIT	\$ 50.00	\$ 50.00
9	RESET WATER VALVE BOX	6	UNIT	\$ 20.00	\$ 120.00
10	RESET GAS VALVE BOX	4	UNIT	\$ 20.00	\$ 80.00
11	RESET INLET CASTING	4	UNIT	\$ 150.00	\$ 600.00
12	RESET INLET CASTING, TYPE 'N' ECO CURB PIECE	4	UNIT	\$ 500.00	\$ 2,000.00
13	CONCRETE DRIVEWAY, 6" THICK REINFORCED	360	SY	\$ 100.00	\$ 36,000.00
14	REGULATORY AND WARNING SIGNS	12	UNIT	\$ 50.00	\$ 600.00
15	CONCRETE SIDEWALK, 4" THICK	625	SY	\$ 90.00	\$ 56,250.00
16	9"X18" CONCRETE VERTICAL CURB	2,800	LF	\$ 50.00	\$ 140,000.00
17	DETECTABLE WARNING SURFACE	5	UNIT	\$ 100.00	\$ 500.00
18	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	200	LF	\$ 5.00	\$ 1,000.00
19	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	100	LF	\$ 5.00	\$ 500.00
20	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	80	LF	\$ 5.00	\$ 400.00
21	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	4	UNIT	\$ 1,500.00	\$ 6,000.00
22	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	400	SY	\$ 5.00	\$ 2,000.00
23	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	400	SY	\$ 5.00	\$ 2,000.00
24	STRAW MULCHING, IF & WHERE DIRECTED	400	SY	\$ 5.00	\$ 2,000.00
25	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	12	UNIT	\$ 5.00	\$ 60.00
26	DRUM, IF & WHERE DIRECTED	8	UNIT	\$ 5.00	\$ 40.00
27	TRAFFIC CONE, IF & WHERE DIRECTED	8	UNIT	\$ 5.00	\$ 40.00
28	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	8	UNIT	\$ 5.00	\$ 40.00
29	TRAFFIC DIRECTOR, FLAGGER	200	HR	\$ 83.28	\$ 16,656.00
30	FUEL PRICE ADJUSTMENT	200	DOL	\$ 1.00	\$ 200.00
31	ASPHALT PRICE ADJUSTMENT	100	DOL	\$ 1.00	\$ 100.00

Total construction cost	\$ 416,986.00
Design Fee	\$ 37,528.74
Construction Fee	\$ 37,528.74
Total project cost	\$ 492,043.48

Stephen C. Hoyt, P.E.
Professional Engineer
New Jersey License Number 24GE054015



Engineer's Estimate - Heywood Ave (Berkeley Avenue to East Orange Border)

PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

PROJECT NAME: HEYWOOD AVENUE ROADWAY IMPROVEMENT
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
PROJECT NUMBER: COORT24004P

DATE: 6/24/2024
PREPARED BY: MB
APPROVED BY: SH

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	30	CY	\$ 25.00	\$ 750.00
2	HMA MILLING, 3" OR LESS	8,700	SY	\$ 5.00	\$ 43,500.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	870	SY	\$ 6.00	\$ 5,220.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE, 2" THICK, IF & WHERE DIRECTED	1,435	TON	\$ 100.00	\$ 143,500.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	194	TON	\$ 100.00	\$ 19,400.00
6	TACK COAT	1,370	GAL	\$ 5.00	\$ 6,850.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	520	SY	\$ 40.00	\$ 20,800.00
8	RESET MANHOLE, SANITARY SEWER, USING EXISTING CASTING	26	UNIT	\$ 50.00	\$ 1,300.00
9	RESET WATER VALVE BOX	10	UNIT	\$ 20.00	\$ 200.00
10	RESET GAS VALVE BOX	7	UNIT	\$ 20.00	\$ 140.00
11	RESET INLET CASTING	4	UNIT	\$ 150.00	\$ 600.00
12	RESET INLET CASTING, TYPE 'N' ECO CURB PIECE	4	UNIT	\$ 500.00	\$ 2,000.00
13	CONCRETE DRIVEWAY, 6" THICK REINFORCED	440	SY	\$ 100.00	\$ 44,000.00
14	REGULATORY AND WARNING SIGNS	16	UNIT	\$ 50.00	\$ 800.00
15	CONCRETE SIDEWALK, 4" THICK	875	SY	\$ 90.00	\$ 78,750.00
16	9"X18" CONCRETE VERTICAL CURB	3,700	LF	\$ 50.00	\$ 185,000.00
17	DETECTABLE WARNING SURFACE	10	UNIT	\$ 100.00	\$ 1,000.00
18	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	250	LF	\$ 5.00	\$ 1,250.00
19	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	150	LF	\$ 5.00	\$ 750.00
20	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	120	LF	\$ 5.00	\$ 600.00
21	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	8	UNIT	\$ 1,500.00	\$ 12,000.00
22	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	600	SY	\$ 5.00	\$ 3,000.00
23	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	600	SY	\$ 5.00	\$ 3,000.00
24	STRAW MULCHING, IF & WHERE DIRECTED	600	SY	\$ 5.00	\$ 3,000.00
25	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	18	UNIT	\$ 5.00	\$ 90.00
26	DRUM, IF & WHERE DIRECTED	12	UNIT	\$ 5.00	\$ 60.00
27	TRAFFIC CONE, IF & WHERE DIRECTED	12	UNIT	\$ 5.00	\$ 60.00
28	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	12	UNIT	\$ 5.00	\$ 60.00
29	TRAFFIC DIRECTOR, FLAGGER	280	HR	\$ 83.28	\$ 23,318.40
30	FUEL PRICE ADJUSTMENT	200	DOL	\$ 1.00	\$ 200.00
31	ASPHALT PRICE ADJUSTMENT	100	DOL	\$ 1.00	\$ 100.00

Total construction cost	\$ 601,298.40
Design Fee	\$ 54,116.86
Construction Fee	\$ 54,116.86
Total project cost	\$ 709,532.11

Stephen C. Hoyt, P.E.
Professional Engineer
New Jersey License Number 24GE054015

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Local Aid, Legislative, and Congressional Districts

Legislative Districts: 34

Local Aid Districts: District 2 - Newark, Trenton - Main Office

Congressional Districts: 10

Municipal Aid Application 2025
MA-2025-Keywood Avenue Improvements Project-00118

Applicant Information

Name of Grantee: Orange City Township

Organization Address

Orange City Township
29 North Day Street
Orange, NJ 07050-3608
Phone: (973) 952-6113
Fax: (973) 676-7459

Email Address:

Federal Tax Identification Number: 226002178
Vendor Number: 226002178-00
Vendor Unit: ORANGE CITY
Vendor Unit Address 29 N DAY ST
ORANGE, NJ 07050

Application Initiation Date: 05/23/2024

**Municipality applicants should update Mayor, Clerk and Municipal Engineer Information.
County applicants should update County Executive/County Commissioner, Clerk and County
Engineer information.**

Mayor Information

Update information here:

First Name: Dwayne
Last Name: Warren
County: Essex
Municipality: Orange City Township
Address 1: 29 North Day Street
Address 2:
City: Orange City Township
State: NJ
Zip: 07050
Phone: 973-266-4005
E-Mail: dwarren@orangenj.gov

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Applicant Information

Clerk Information

Update information here:

First Name: Joyce
Last Name: Lanier
County: Essex
Municipality: Orange City Township
Address 1: 29 North Day Street
Address 2:
City: Orange City Township
State: NJ
Zip: 07050
Phone: 973-266-4025
E-Mail: jlanier@orangenj.gov

Municipal Engineer

Update information here:

First Name: Stephen
Last Name: Hoyt
County: Essex
Municipality: Orange City Township
Address 1: 1085 Raymond Boulevard
Address 2: Suite 2102
City: Newark City
State: NJ
Zip: 07102
Phone: 973-265-9862
E-Mail: shoyt@pennoni.com

Municipal Aid Application 2025
MA-2025-Heywood Avenue Improvements Project-00118
Signature Page

Title of presiding officer who will be signing this application/agreement: Mayor

You will need to submit your Resolution/Agreement using **PMRS**. Once you submit the application, Project will be created in **PMRS** the next business day. The Engineer listed on this application will be assigned to LPA Project Manager role and will have the project in their court to start the Resolution and Agreement Execution Process (**LAAE**). Next Agreement Execution Process (**LAAE**) will go to the Presiding Officer and then to the Clerk to capture the electronic signatures. Please complete the resolution submission within **30 days** of your application submission in **PMRS**.