

CITY COUNCIL

The City of Orange Township, New Jersey

DATE June 16, 2020

NUMBER 260-2020

TITLE: A RESOLUTION AUTHORIZING APPROVAL TO SUBMIT A GRANT APPLICATION WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION FOR THE CITY OF ORANGE TOWNSHIP ROADWAY IMPROVEMENTS FOR 2021 VARIOUS STREETS PROJECT.

WHEREAS, the City of Orange Township wishes to improve its streets for the traveling public and its residents alike.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Orange Township formally approves the grant application for the various street projects in 2021.

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-2021-Variou Streets-2021-Orange-00116" to the New Jersey Department of Transportation on behalf of the City of Orange Township.

Adopted:

Joyce L. Lanier
City Clerk

Tency A. Eason
Council President

CERTIFICATION

I, Joyce Lanier, RMC of the City of Orange Township, Essex County, State of New Jersey, do hereby certify this resolution was adopted at a Regular Meeting of the City's Mayor and Council held on June 16, 2020

Joyce L. Lanier
City Clerk

My signature and the City'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 _____

Dwayne D. Warren, Esq.
Mayor



PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

ENGINEER'S INITIAL ESTIMATE

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
PROJECT NUMBER: COORT20005P

DATE: 6/3/2020
PREPARED BY: RB

ITEM NO	DESCRIPTION	ALL STREETS	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	10806	CY	\$ 35.00	\$ 378,210.00
2	HMA MILLING, 3" OR LESS	43224	SY	\$ 7.00	\$ 302,568.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	4322	SY	\$ 5.00	\$ 21,612.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	7346	TON	\$ 90.00	\$ 661,134.87
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	2205	TON	\$ 80.00	\$ 176,400.00
6	TACK COAT	6329	GAL	\$ 1.00	\$ 6,329.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	3378	SY	\$ 5.00	\$ 16,890.00
8	NEW MANHOLE, IF & WHERE DIRECTED	21	UNIT	\$ 5,000.00	\$ 105,000.00
9	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	60	UNIT	\$ 650.00	\$ 39,000.00
10	RESET WATER VALVE BOX	79	UNIT	\$ 15.00	\$ 1,185.00
11	RESET GAS VALVE BOX	32	UNIT	\$ 15.00	\$ 480.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	29	UNIT	\$ 1,000.00	\$ 29,000.00
13	NEW INLET, TYPE B, IF & WHERE DIRECTED	20	UNIT	\$ 5,000.00	\$ 100,000.00
14	RCP CLASS V, 15", IF & WHERE DIRECTED	90	LF	\$ 35.00	\$ 3,150.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	2274	SY	\$ 70.00	\$ 159,180.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	72	UNIT	\$ 50.00	\$ 3,600.00
17	REGULATORY AND WARNING SIGNS	72	UNIT	\$ 50.00	\$ 3,600.00
18	CONCRETE SIDEWALK, 4" THICK	10126	SY	\$ 65.00	\$ 658,190.00
19	9"X18" CONCRETE VERTICAL CURB	15186	LF	\$ 30.00	\$ 455,580.00
20	DETECTABLE WARNING SURFACE	64	UNIT	\$ 280.00	\$ 17,920.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	192	SY	\$ 75.00	\$ 14,400.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	7978	LF	\$ 2.00	\$ 15,956.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	6185	LF	\$ 4.00	\$ 24,740.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	6185	LF	\$ 6.00	\$ 37,110.00
25	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	22	UNIT	\$ 1,500.00	\$ 33,000.00
25	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	22	UNIT	\$ 1,500.00	\$ 33,000.00
26	TREE & STUMP REMOVAL. >24", IF AND WHERE DIRECTED	17	UNIT	\$ 3,000.00	\$ 51,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	37	UNIT	\$ 350.00	\$ 12,950.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	3410	SY	\$ 5.00	\$ 17,050.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	3410	SY	\$ 1.00	\$ 3,410.00
30	STRAW MULCHING, IF & WHERE DIRECTED	3410	SY	\$ 1.00	\$ 3,410.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	35	UNIT	\$ 1.00	\$ 35.00
32	DRUM, IF & WHERE DIRECTED	70	UNIT	\$ 5.00	\$ 350.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	70	UNIT	\$ 5.00	\$ 350.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	14	UNIT	\$ 2.00	\$ 28.00
35	TRAFFIC DIRECTORS AND FLAGGERS	600	HR	\$ 80.00	\$ 48,000.00
Total construction cost					\$ 3,433,817.87
Design Fee					\$ 309,043.61
Construction Fee					\$ 309,043.61
Total project cost					\$ 4,051,905.09

Notes

- Road 'A' WARD STREET (FROM HILLYER STREET TO PARK STREET)
- Road 'B' WILLIAM STREET (FROM N. DAY STREET TO PARK STREET)
- Road 'C' OGDEN STREET (FROM REYNOLDS STREET TO OXFORD STREET)
- Road 'D' LINCOLN AVE (FROM CENTRAL AVE TO MAIN STREET)
- Road 'E' PRINCE STREET (FROM MAIN STREET TO DEAD END)
- Road 'F' WILLOW STREET (FROM SCOTLAND ROAD TO LINCOLN AVE)
- Road 'G' BEACH STREET (FROM TOWN OF WEST ORANGE BORDER TO SCOTLAND ROAD)

Road 'A'	length= 865 ft (0.24 miles), Width = 42 ft
Road 'B'	length= 1278 ft (0.36 miles), Width = 45 ft
Road 'C'	length= 500 ft (0.012 miles), Width = 50 ft
Road 'D'	length= 3035 ft (0.14 miles), Width = 60 ft
Road 'E'	length= 300 ft (0.85 miles), Width = 35 ft
Road 'F'	length= 320 ft (0.08 miles), Width = 42 ft
Road 'G'	length = 1295 ft (0.36 miles), Width = 42 ft

Road Estimate	\$	371,222.12
Road Estimate	\$	504,693.50
Road Estimate	\$	233,842.50
Road Estimate	\$	1,407,469.50
Road Estimate	\$	160,765.75
Road Estimate	\$	276,831.75
Road Estimate	\$	563,456.75

Robert Beringer
Professional Engineer
New Jersey License Number 24GEE05527600



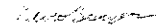
PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

ENGINEER'S INITIAL ESTIMATE- Ward Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
PROJECT NUMBER: COORT20005P

DATE: 6/3/2020
PREPARED BY: RB
REVIEWED BY: RB

ITEM NO	DESCRIPTION	WARD STREET (FROM HILLYER STREET TO PARK CROSSING)	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	1009	CY	\$ 35.00	\$ 35,323.75
2	HMA MILLING, 3" OR LESS	4037	SY	\$ 7.00	\$ 28,259.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	404	SY	\$ 5.00	\$ 2,018.50
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	866	TON	\$ 90.00	\$ 77,934.87
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	260	TON	\$ 80.00	\$ 20,800.00
6	TACK COAT	605	GAL	\$ 1.00	\$ 605.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	385	SY	\$ 5.00	\$ 1,925.00
8	NEW MANHOLE, IF & WHERE DIRECTED	1	UNIT	\$ 5,000.00	\$ 5,000.00
9	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	24	UNIT	\$ 650.00	\$ 15,600.00
10	RESET WATER VALVE BOX	3	UNIT	\$ 15.00	\$ 45.00
11	RESET GAS VALVE BOX	4	UNIT	\$ 15.00	\$ 60.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	6	UNIT	\$ 1,000.00	\$ 6,000.00
13	NEW INLET, TYPE B, IF & WHERE DIRECTED	2	UNIT	\$ 5,000.00	\$ 10,000.00
14	RCP CLASS V, 15", IF & WHERE DIRECTED	10	LF	\$ 35.00	\$ 350.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	210	SY	\$ 70.00	\$ 14,700.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	5	UNIT	\$ 50.00	\$ 250.00
17	REGULATORY AND WARNING SIGNS	5	UNIT	\$ 50.00	\$ 250.00
18	CONCRETE SIDEWALK, 4" THICK	1154	SY	\$ 65.00	\$ 75,010.00
19	9"X18" CONCRETE VERTICAL CURB	1730	LF	\$ 30.00	\$ 51,900.00
20	DETECTABLE WARNING SURFACE	8	UNIT	\$ 280.00	\$ 2,240.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	24	SY	\$ 75.00	\$ 1,800.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	865	LF	\$ 2.00	\$ 1,730.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	15	LF	\$ 4.00	\$ 60.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	12	LF	\$ 6.00	\$ 72.00
25	TREE & STUMP REMOVAL .12"-24", IF AND WHERE DIRECTED	2	UNIT	\$ 1,500.00	\$ 3,000.00
26	TREE & STUMP REMOVAL .>24", IF AND WHERE DIRECTED	2	UNIT	\$ 3,000.00	\$ 6,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	3	UNIT	\$ 350.00	\$ 1,050.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	390	SY	\$ 5.00	\$ 1,950.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	390	SY	\$ 1.00	\$ 390.00
30	STRAW MULCHING, IF & WHERE DIRECTED	390	SY	\$ 1.00	\$ 390.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	80	HR	\$ 80.00	\$ 6,400.00
TOTAL COST					\$ 371,222.12


Robert Beringer
Professional Engineer
New Jersey License Number 24GEE05527600



ENGINEER'S ESTIMATE- William Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
 PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
 PROJECT NUMBER: COORT20005P

DATE: 6/3/2020
 PREPARED BY: RB
 REVIEWED BY: D

ITEM NO	DESCRIPTION	WILLIAM STREET (FROM N. DAY STREET TO PARK STREET) QUANTITY	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	1598	CY	\$ 35.00	\$ 55,912.50
2	HMA MILLING, 3" OR LESS	6390	SY	\$ 7.00	\$ 44,730.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	639	SY	\$ 5.00	\$ 3,195.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	1060	TON	\$ 90.00	\$ 95,400.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	318	TON	\$ 80.00	\$ 25,440.00
6	TACK COAT	960	GAL	\$ 1.00	\$ 960.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	568	SY	\$ 5.00	\$ 2,840.00
8	NEW MANHOLE, IF & WHERE DIRECTED	2	UNIT	\$ 5,000.00	\$ 10,000.00
9	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	5	UNIT	\$ 650.00	\$ 3,250.00
10	RESET WATER VALVE BOX	38	UNIT	\$ 15.00	\$ 570.00
11	RESET GAS VALVE BOX	7	UNIT	\$ 15.00	\$ 105.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	6	UNIT	\$ 1,000.00	\$ 6,000.00
13	NEW INLET, TYPE B, IF & WHERE DIRECTED	2	UNIT	\$ 5,000.00	\$ 10,000.00
14	RCP CLASS V, 15", IF & WHERE DIRECTED	10	LF	\$ 35.00	\$ 350.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	266	SY	\$ 70.00	\$ 18,620.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	10	UNIT	\$ 50.00	\$ 500.00
17	REGULATORY AND WARNING SIGNS	10	UNIT	\$ 50.00	\$ 500.00
18	CONCRETE SIDEWALK, 4" THICK	1704	SY	\$ 65.00	\$ 110,760.00
19	9"X18" CONCRETE VERTICAL CURB	2556	LF	\$ 30.00	\$ 76,680.00
20	DETECTABLE WARNING SURFACE	4	UNIT	\$ 280.00	\$ 1,120.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	12	SY	\$ 75.00	\$ 900.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	1278	LF	\$ 2.00	\$ 2,556.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	30	LF	\$ 4.00	\$ 120.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	6	LF	\$ 6.00	\$ 36.00
25	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	4	UNIT	\$ 1,500.00	\$ 6,000.00
26	TREE & STUMP REMOVAL >24", IF AND WHERE DIRECTED	4	UNIT	\$ 3,000.00	\$ 12,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	7	UNIT	\$ 350.00	\$ 2,450.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	570	SY	\$ 5.00	\$ 2,850.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	570	SY	\$ 1.00	\$ 570.00
30	STRAW MULCHING, IF & WHERE DIRECTED	570	SY	\$ 1.00	\$ 570.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	120	HR	\$ 80.00	\$ 9,600.00
				TOTAL COST	\$ 504,693.50

Robert Beringer
 Robert Beringer
 Professional Engineer
 New Jersey License Number 24GEE0527600

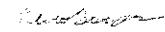


ENGINEER'S ESTIMATE-Ogden Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
 PROJECT LOCATION: CITY OF ORANGE TOWNSHIP

DATE: 6/3/2020
 PREPARED BY: RB

ITEM NO	DESCRIPTION	OGDEN STREET (FROM REYNOLDS STREET TO OXFORD STREET)	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	695	CY	\$ 35.00	\$ 24,307.50
2	HMA MILLING, 3" OR LESS	2778	SY	\$ 7.00	\$ 19,446.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	278	SY	\$ 5.00	\$ 1,389.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	460	TON	\$ 90.00	\$ 41,400.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	138	TON	\$ 80.00	\$ 11,040.00
6	TACK COAT	420	GAL	\$ 1.00	\$ 420.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	223	SY	\$ 5.00	\$ 1,115.00
8	NEW MANHOLE, IF & WHERE DIRECTED	1	UNIT	\$ 5,000.00	\$ 5,000.00
9	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	4	UNIT	\$ 650.00	\$ 2,600.00
10	RESET WATER VALVE BOX	7	UNIT	\$ 15.00	\$ 105.00
11	RESET GAS VALVE BOX	6	UNIT	\$ 15.00	\$ 90.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	2	UNIT	\$ 1,000.00	\$ 2,000.00
13	NEW INLET, TYPE B, IF & WHERE DIRECTED	2	UNIT	\$ 5,000.00	\$ 10,000.00
14	RCP CLASS V, 15", IF & WHERE DIRECTED	10	LF	\$ 35.00	\$ 350.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	245	SY	\$ 70.00	\$ 17,150.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	5	UNIT	\$ 50.00	\$ 250.00
17	REGULATORY AND WARNING SIGNS	5	UNIT	\$ 50.00	\$ 250.00
18	CONCRETE SIDEWALK, 4" THICK	667	SY	\$ 65.00	\$ 43,355.00
19	9"X18" CONCRETE VERTICAL CURB	1000	LF	\$ 30.00	\$ 30,000.00
20	DETECTABLE WARNING SURFACE	4	UNIT	\$ 280.00	\$ 1,120.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	12	SY	\$ 75.00	\$ 900.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	500	LF	\$ 2.00	\$ 1,000.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	500	LF	\$ 4.00	\$ 2,000.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	6	LF	\$ 6.00	\$ 36.00
25	TREE & STUMP REMOVAL 12"-24", IF AND WHERE DIRECTED	2	UNIT	\$ 1,500.00	\$ 3,000.00
26	TREE & STUMP REMOVAL >24", IF AND WHERE DIRECTED	2	UNIT	\$ 3,000.00	\$ 6,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	4	UNIT	\$ 350.00	\$ 1,400.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	230	SY	\$ 5.00	\$ 1,150.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	230	SY	\$ 1.00	\$ 230.00
30	STRAW MULCHING, IF & WHERE DIRECTED	230	SY	\$ 1.00	\$ 230.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	80	HR	\$ 80.00	\$ 6,400.00
				TOTAL COST	\$ 233,842.50


 Robert Beringer
 Professional Engineer
 New Jersey License Number 24GEE0527600



ENGINEER'S ESTIMATE- Lincoln Ave

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
 PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
 PROJECT NUMBER: COORT20005P

DATE: 6/3/2020
 PREPARED BY: RB
 REVIEWED BY: 0

ITEM NO	DESCRIPTION	LINCOLN AVE (FROM CENTRAL AVE TO MAIN	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	5059	CY	\$ 35.00	\$ 177,047.50
2	HMA MILLING, 3" OR LESS	20234	SY	\$ 7.00	\$ 141,638.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	2023	SY	\$ 5.00	\$ 10,117.00
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	3340	TON	\$ 90.00	\$ 300,600.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	1002	TON	\$ 80.00	\$ 80,160.00
6	TACK COAT	3035	GAL	\$ 1.00	\$ 3,035.00
7	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	1349	SY	\$ 5.00	\$ 6,745.00
8	NEW MANHOLE, IF & WHERE DIRECTED	10	UNIT	\$ 5,000.00	\$ 50,000.00
9	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	2	UNIT	\$ 650.00	\$ 1,300.00
10	RESET WATER VALVE BOX	14	UNIT	\$ 15.00	\$ 210.00
11	RESET GAS VALVE BOX	9	UNIT	\$ 15.00	\$ 135.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	2	UNIT	\$ 1,000.00	\$ 2,000.00
13	NEW INLET, TYPE B, IF & WHERE DIRECTED	6	UNIT	\$ 5,000.00	\$ 30,000.00
14	RCP CLASS V, 15", IF & WHERE DIRECTED	30	LF	\$ 35.00	\$ 1,050.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	1000	SY	\$ 70.00	\$ 70,000.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	30	UNIT	\$ 50.00	\$ 1,500.00
17	REGULATORY AND WARNING SIGNS	30	UNIT	\$ 50.00	\$ 1,500.00
18	CONCRETE SIDEWALK, 4" THICK	4047	SY	\$ 65.00	\$ 263,055.00
19	9"x18" CONCRETE VERTICAL CURB	6070	LF	\$ 30.00	\$ 182,100.00
20	DETECTABLE WARNING SURFACE	32	UNIT	\$ 280.00	\$ 8,960.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	96	SY	\$ 75.00	\$ 7,200.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	3035	LF	\$ 2.00	\$ 6,070.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	3600	LF	\$ 4.00	\$ 14,400.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	48	LF	\$ 6.00	\$ 288.00
25	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	5	UNIT	\$ 1,500.00	\$ 7,500.00
26	TREE & STUMP REMOVAL. >24", IF AND WHERE DIRECTED	5	UNIT	\$ 3,000.00	\$ 15,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	10	UNIT	\$ 350.00	\$ 3,500.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	1350	SY	\$ 5.00	\$ 6,750.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	1350	SY	\$ 1.00	\$ 1,350.00
30	STRAW MULCHING, IF & WHERE DIRECTED	1350	SY	\$ 1.00	\$ 1,350.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	160	HR	\$ 80.00	\$ 12,800.00

TOTAL COST 1,407,470

Robert Beringer
 Robert Beringer
 Professional Engineer
 New Jersey License Number 24GEE05527600



PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

ENGINEER'S ESTIMATE- Prince Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP
PROJECT NUMBER: COORT2000SP

DATE: 6/3/2020
PREPARED BY: RB
REVIEWED BY: 0

ITEM NO	DESCRIPTION	PRINCE STREET (FROM MAIN STREET TO DEAD END)	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	292	CY	\$ 35.00	\$ 10,211.25
2	HMA MILLING, 3" OR LESS	1187	SY	\$ 7.00	\$ 8,169.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	117	SY	\$ 5.00	\$ 583.50
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	195	TON	\$ 90.00	\$ 17,550.00
5	TACK COAT	180	GAL	\$ 1.00	\$ 180.00
5	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	11	UNIT	\$ 650.00	\$ 7,150.00
10	RESET WATER VALVE BDX	7	UNIT	\$ 15.00	\$ 105.00
11	RESET GAS VALVE BOX	2	UNIT	\$ 15.00	\$ 30.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	5	UNIT	\$ 1,000.00	\$ 5,000.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	105	SY	\$ 70.00	\$ 7,350.00
18	CONCRETE SIDEWALK, 4" THICK	400	SY	\$ 65.00	\$ 26,000.00
19	9"X18" CONCRETE VERTICAL CURB	600	LF	\$ 30.00	\$ 18,000.00
20	DETECTABLE WARNING SURFACE	2	UNIT	\$ 280.00	\$ 560.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	6	SY	\$ 75.00	\$ 450.00
35	TRAFFIC DIRECTORS AND FLAGGERS	40	HR	\$ 80.00	\$ 3,200.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	2	UNIT	\$ 50.00	\$ 100.00
17	REGULATORY AND WARNING SIGNS	2	UNIT	\$ 50.00	\$ 100.00
18	CONCRETE SIDEWALK, 4" THICK	400	SY	\$ 65.00	\$ 26,000.00
19	9"X18" CONCRETE VERTICAL CURB	600	LF	\$ 30.00	\$ 18,000.00
20	DETECTABLE WARNING SURFACE	2	UNIT	\$ 280.00	\$ 560.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	6	SY	\$ 75.00	\$ 450.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	300	LF	\$ 2.00	\$ 600.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	140	LF	\$ 4.00	\$ 560.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	3	LF	\$ 6.00	\$ 18.00
25	TREE & STUMP REMOVAL 12"-24", IF AND WHERE DIRECTED	3	UNIT	\$ 1,500.00	\$ 4,500.00
26	TREE & STUMP REMOVAL >24", IF AND WHERE DIRECTED	0	UNIT	\$ 3,000.00	\$ -
27	1 1/2" CALIPER TREE, IF & WHERE DIRECTED	3	UNIT	\$ 350.00	\$ 1,050.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	140	SY	\$ 5.00	\$ 700.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	140	SY	\$ 1.00	\$ 140.00
30	STRAW MULCHING, IF & WHERE DIRECTED	140	SY	\$ 1.00	\$ 140.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	40	HR	\$ 80.00	\$ 3,200.00
TOTAL COST					\$ 160,785.75

Robert Beringer
Professional Engineer
New Jersey License Number 24CE05327600



ENGINEER'S ESTIMATE- Willow Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
 PROJECT LOCATION: CITY OF ORANGE TOWNSHIP

DATE: 6/3/2020
 PREPARED BY: RB

ITEM NO	DESCRIPTION	WILLOW STREET (FROM SCOTLAD ROAD TO UNCOLN RD)	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	355.75	CY	\$ 35.00	\$ 12,451.25
2	HMA MILLING, 3" OR LESS	1423	SY	\$ 7.00	\$ 9,961.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	142.3	SY	\$ 5.00	\$ 711.50
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	235	TON	\$ 90.00	\$ 21,150.00
5	TACK COAT	71	GAL	\$ 1.00	\$ 71.00
5	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	50	UNIT	\$ 650.00	\$ 32,500.00
10	RESET WATER VALVE BOX	143	UNIT	\$ 15.00	\$ 2,145.00
11	RESET GAS VALVE BOX	1	UNIT	\$ 15.00	\$ 15.00
12	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	7	UNIT	\$ 1,000.00	\$ 7,000.00
15	CONCRETE DRIVEWAY, 6" THICK REINFORCED	5	SY	\$ 70.00	\$ 350.00
18	CONCRETE SIDEWALK, 4" THICK	2	SY	\$ 65.00	\$ 130.00
19	9"X18" CONCRETE VERTICAL CURB	4	LF	\$ 30.00	\$ 120.00
20	DETECTABLE WARNING SURFACE	2	UNIT	\$ 280.00	\$ 560.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	10	SY	\$ 75.00	\$ 750.00
35	TRAFFIC DIRECTORS AND FLAGGERS	98	HR	\$ 80.00	\$ 7,840.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	5	UNIT	\$ 50.00	\$ 250.00
17	REGULATORY AND WARNING SIGNS	5	UNIT	\$ 50.00	\$ 250.00
18	CONCRETE SIDEWALK, 4" THICK	640	SY	\$ 65.00	\$ 41,600.00
19	9"X18" CONCRETE VERTICAL CURB	4	LF	\$ 30.00	\$ 120.00
20	DETECTABLE WARNING SURFACE	12	UNIT	\$ 280.00	\$ 3,360.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	500	SY	\$ 75.00	\$ 37,500.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	400	LF	\$ 2.00	\$ 800.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	6	LF	\$ 4.00	\$ 24.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	3	LF	\$ 6.00	\$ 18.00
25	TREE & STUMP REMOVAL. 12"-24", IF AND WHERE DIRECTED	2	UNIT	\$ 1,500.00	\$ 3,000.00
26	TREE & STUMP REMOVAL >24", IF AND WHERE DIRECTED	5	UNIT	\$ 3,000.00	\$ 15,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	150	UNIT	\$ 350.00	\$ 52,500.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	150	SY	\$ 5.00	\$ 750.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	150	SY	\$ 1.00	\$ 150.00
30	STRAW MULCHING, IF & WHERE DIRECTED	5	SY	\$ 1.00	\$ 5.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	10	UNIT	\$ 1.00	\$ 10.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	2	UNIT	\$ 5.00	\$ 10.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	40	UNIT	\$ 2.00	\$ 80.00
35	TRAFFIC DIRECTORS AND FLAGGERS	320	HR	\$ 80.00	\$ 25,600.00
TOTAL COST					\$ 276,831.75

Robert Beringer
 Robert Beringer
 Professional Engineer
 New Jersey License Number 24GEE0527600



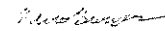
PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

ENGINEER'S ESTIMATE- Beach Street

PROJECT NAME: NJDOT 2021 VARIOUS STREETS PAVING
PROJECT LOCATION: CITY OF ORANGE TOWNSHIP

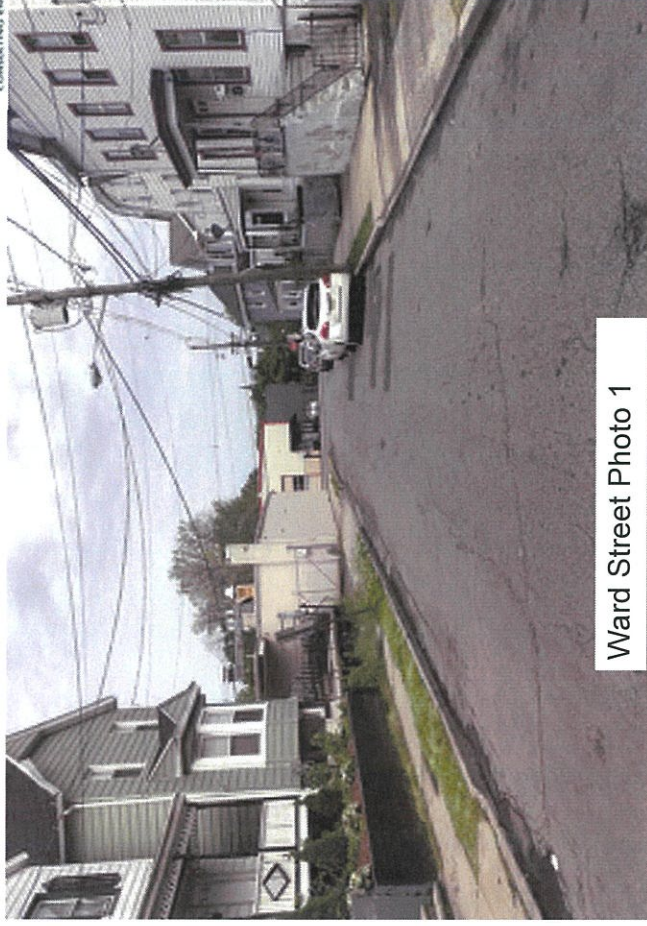
DATE: 6/3/2020
PREPARED BY: RB

ITEM NO	DESCRIPTION	BEACH STREET (FROM TOWN OF WEST ORANGE TO ROBERTSON)	UNIT	UNIT PRICE	PROJECT TOTAL
1	EXCAVATION, UNCLASSIFIED, IF & WHERE DIRECTED	1799	CY	\$ 35.00	\$ 62,956.25
2	HMA MILLING, 3" OR LESS	7195	SY	\$ 7.00	\$ 50,365.00
3	DENSE GRADED AGGREGATE BASE COURSE, 6" THICK, IF & WHERE DIRECTED	720	SY	\$ 5.00	\$ 3,597.50
4	HOT MIX ASPHALT 9.5M64 SURFACE COURSE	1190	TON	\$ 90.00	\$ 107,100.00
5	HOT MIX ASPHALT 19M64 BASE COURSE; 4" THICK, IF & WHERE DIRECTED	357	GAL	\$ 80.00	\$ 28,560.00
5	TACK COAT	1079	UNIT	\$ 1.00	\$ 1,079.00
10	HOT MIX ASPHALT 9.5M64 DRIVEWAY REPAIR STRIP, 4" THICK	576	UNIT	\$ 5.00	\$ 2,880.00
11	NEW MANHOLE, IF & WHERE DIRECTED	5	UNIT	\$ 5,000.00	\$ 25,000.00
12	REPLACE EXISTING MANHOLE CASTING WITH NEW CASTING, IF & WHERE DIRECTED	7	UNIT	\$ 650.00	\$ 4,550.00
15	RESET WATER VALVE BOX	5	SY	\$ 15.00	\$ 75.00
18	RESET GAS VALVE BOX	2	SY	\$ 15.00	\$ 30.00
19	REPLACE INLET CASTING & WITH BICYCLE SAFE GRATE AND CURB PIECE TYPE 'N-ECO'	4	LF	\$ 1,000.00	\$ 4,000.00
20	NEW INLET, TYPE B, IF & WHERE DIRECTED	4	UNIT	\$ 5,000.00	\$ 20,000.00
21	RCP CLASS V, 15", IF & WHERE DIRECTED	10	SY	\$ 35.00	\$ 350.00
35	CONCRETE DRIVEWAY, 6" THICK REINFORCED	350	HR	\$ 70.00	\$ 24,500.00
16	BREAKAWAY SIGN POST REPLACEMENT, IF & WHERE DIRECTED	15	UNIT	\$ 50.00	\$ 750.00
17	REGULATORY AND WARNING SIGNS	15	UNIT	\$ 50.00	\$ 750.00
18	CONCRETE SIDEWALK, 4" THICK	1727	SY	\$ 65.00	\$ 112,255.00
19	9"X18" CONCRETE VERTICAL CURB	2590	LF	\$ 30.00	\$ 77,700.00
20	DETECTABLE WARNING SURFACE	10	UNIT	\$ 280.00	\$ 2,800.00
21	CONCRETE HANDICAP RAMP, IF & WHERE DIRECTED	30	SY	\$ 75.00	\$ 2,250.00
22	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 4" YELLOW	1500	LF	\$ 2.00	\$ 3,000.00
23	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 6" WHITE	1500	LF	\$ 4.00	\$ 6,000.00
24	TRAFFIC STRIPES, LONG-LIFE THERMOPLASTIC, 24" WHITE	15	LF	\$ 6.00	\$ 90.00
25	TREE & STUMP REMOVAL 12"-24", IF AND WHERE DIRECTED	3	UNIT	\$ 1,500.00	\$ 4,500.00
26	TREE & STUMP REMOVAL >24", IF AND WHERE DIRECTED	2	UNIT	\$ 3,000.00	\$ 6,000.00
27	3 1/2" CALIPER TREE, IF & WHERE DIRECTED	5	UNIT	\$ 350.00	\$ 1,750.00
28	TOPSOILING, 4" THICK, IF & WHERE DIRECTED	580	SY	\$ 5.00	\$ 2,900.00
29	FERTILIZING & SEEDING, TYPE A-3, IF & WHERE DIRECTED	580	SY	\$ 1.00	\$ 580.00
30	STRAW MULCHING, IF & WHERE DIRECTED	580	SY	\$ 1.00	\$ 580.00
31	BREAKAWAY BARRICADE, IF & WHERE DIRECTED	5	UNIT	\$ 1.00	\$ 5.00
32	DRUM, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
33	TRAFFIC CONE, IF & WHERE DIRECTED	10	UNIT	\$ 5.00	\$ 50.00
34	CONSTRUCTION SIGNS, IF & WHERE DIRECTED	2	UNIT	\$ 2.00	\$ 4.00
35	TRAFFIC DIRECTORS AND FLAGGERS	80	HR	\$ 80.00	\$ 6,400.00
				Total	\$ 563,456.75


Robert Beringer
Professional Engineer
New Jersey License Number 24GEE05527600



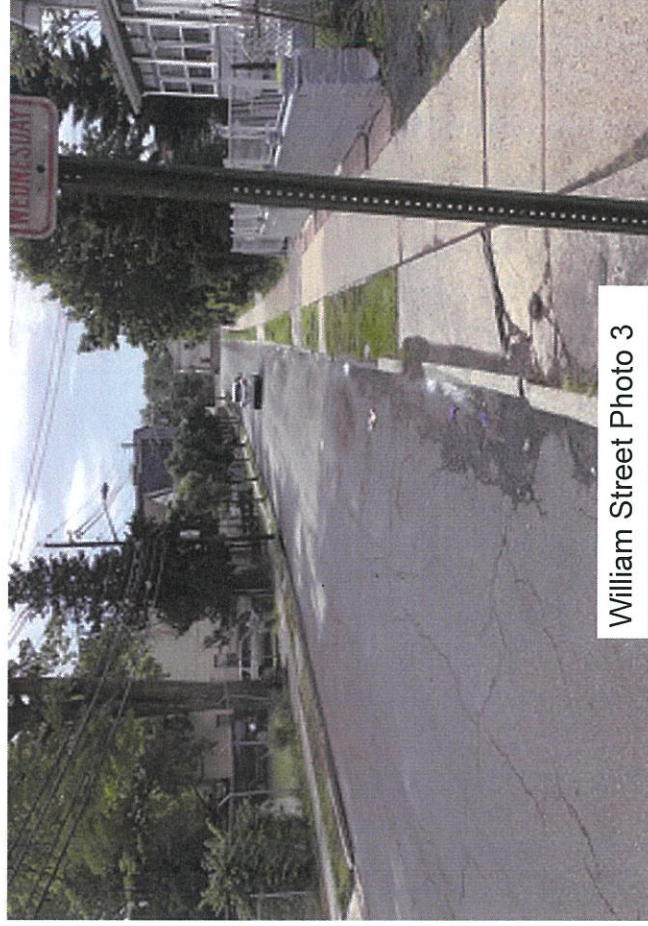
William Street Photo 1



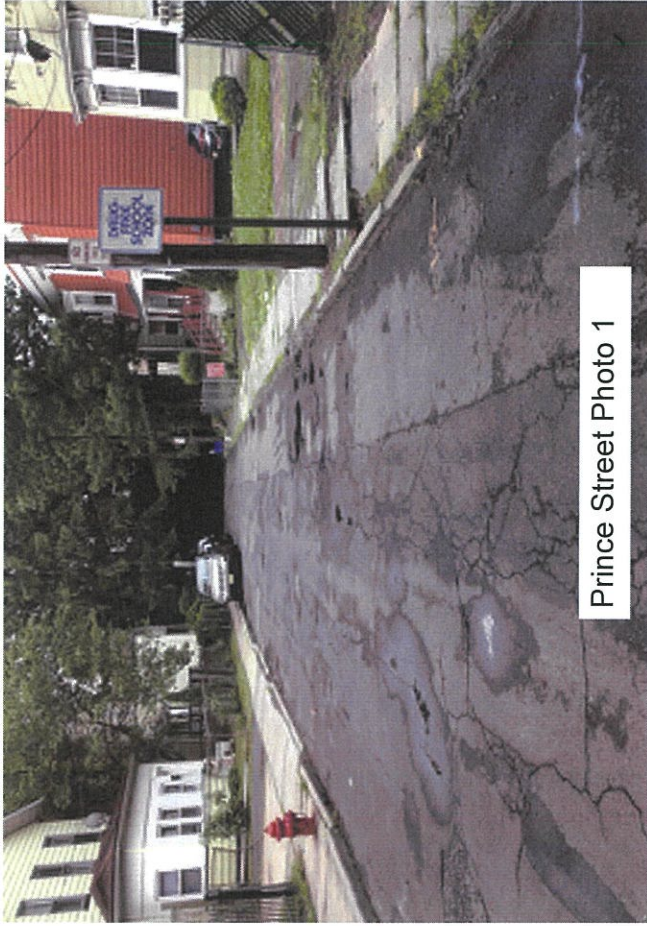
Ward Street Photo 1



William Street Photo 2



William Street Photo 3



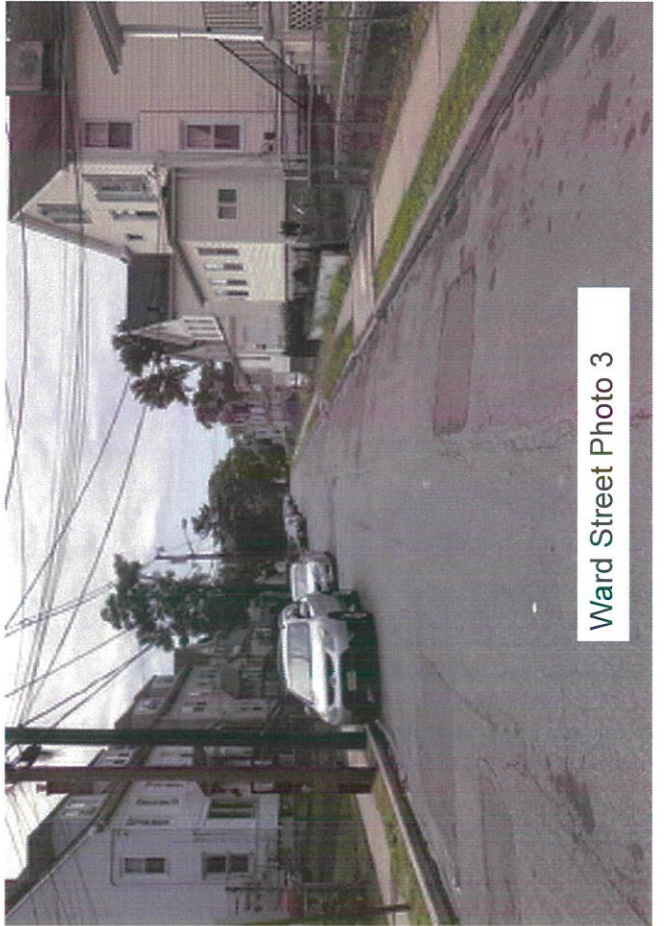
Prince Street Photo 1



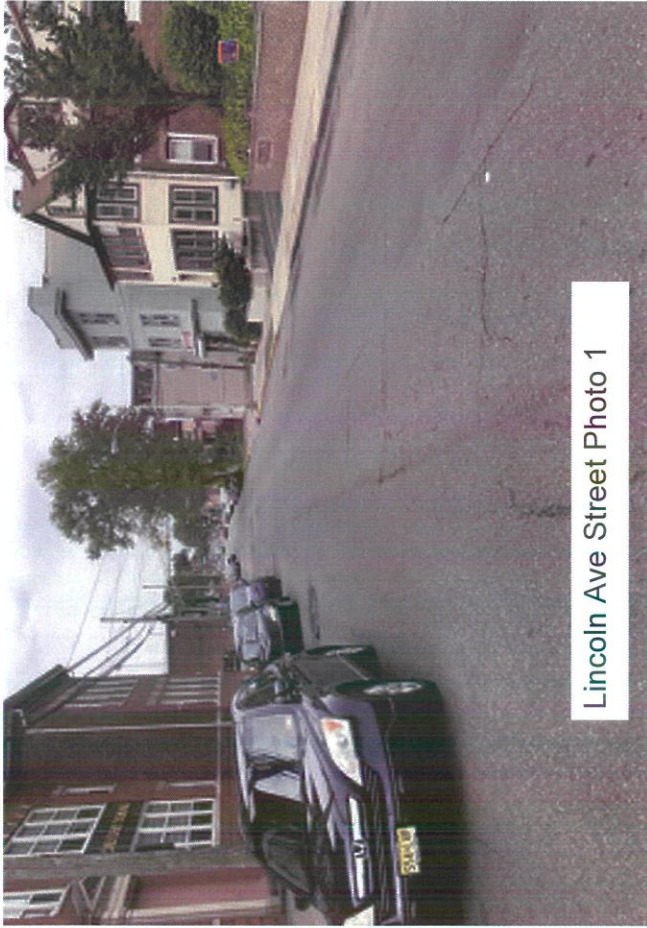
Prince Street Photo 2



Ward Street Photo 2



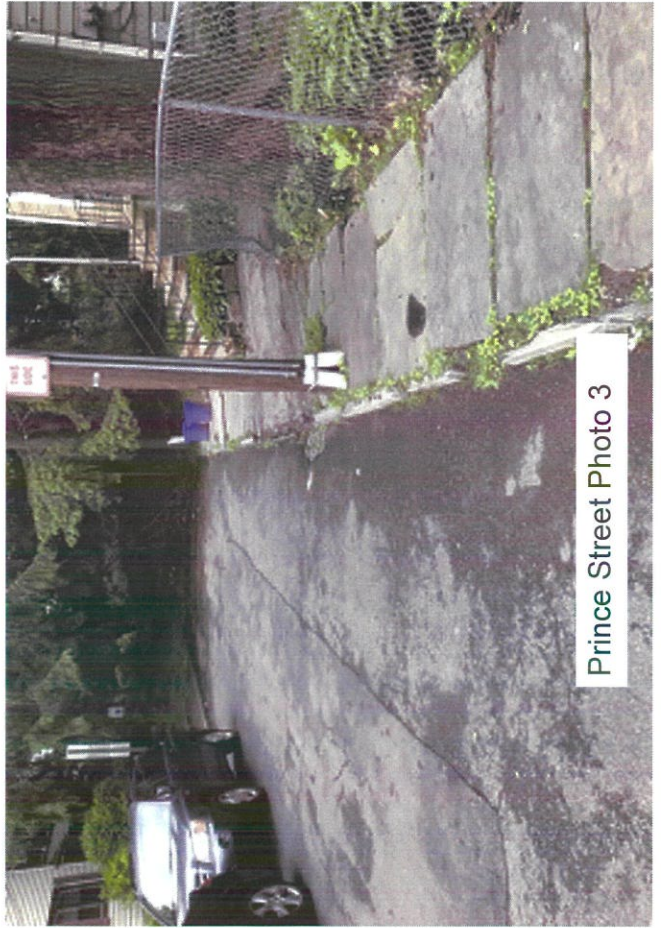
Ward Street Photo 3



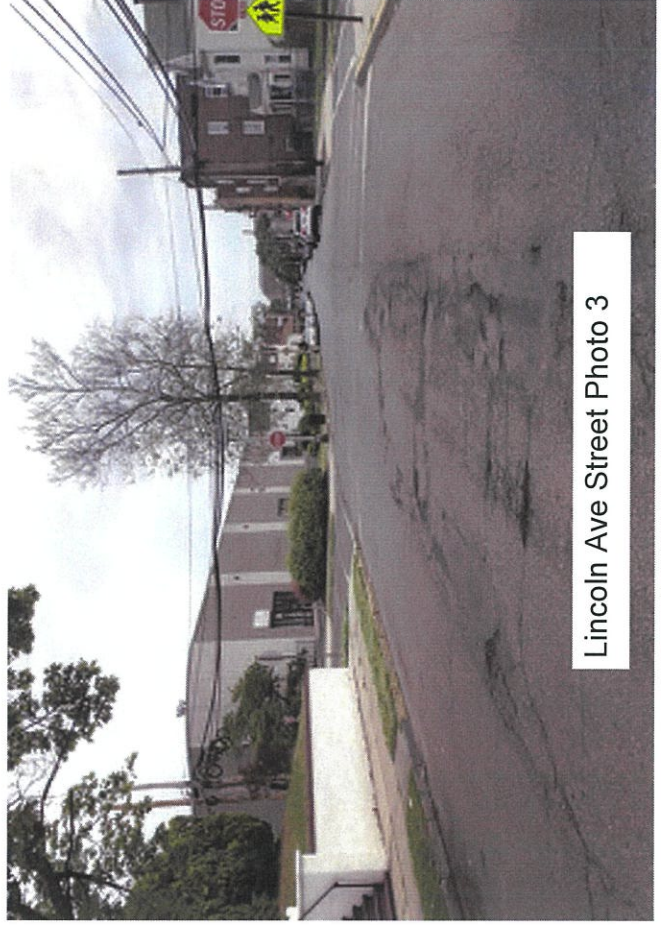
Lincoln Ave Street Photo 1



Lincoln Ave Street Photo 2



Prince Street Photo 3



Lincoln Ave Street Photo 3