

RESOLUTION NO. 2021-493

A RESOLUTION AUTHORIZING THE SUBMISSION OF A GRANT APPLICATION AND THE EXECUTION OF GRANT AGREEMENTS WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION FOR RESURFACING OF LANDIS AVENUE, PHASE 5 (ORCHARD RD. & MILL RD.) & LANDIS AVENUE SIGNALS.

WHEREAS, there exists a need for the following projects:

1. Resurfacing of Landis Avenue, Phase 5 (Orchard Rd. & Mill Rd.)
2. Landis Avenue Traffic Signal Replacement (Landis Ave. & Mill Rd., Landis Ave. & Orchard Rd.); and

WHEREAS, the City of Vineland desires to apply for funding in an estimated amount of \$3,467,035.00 through the New Jersey Department of Transportation, FY 2022 Local Transportation Projects Fund for said projects; now, therefore,

BE IT RESOLVED that the City Council of the City of Vineland formally approves the grant application for the above-stated projects; and

1. THAT the Mayor and Clerk are hereby authorized to submit a FY 2022 Local Transportation Projects Fund grant application for the above stated projects to the New Jersey Department of Transportation on behalf of the City of Vineland.
2. THAT the Mayor and Clerk are hereby authorized to execute the grant agreements on behalf of the City of Vineland and that their signature constitutes acceptance of the terms and conditions of the grant agreements and approves the execution of the grant agreement.
3. THAT the City Engineer is designated as the City's representative responsible for project direction and management of said agreement.

Adopted:

President of Council

ATTEST:

City Clerk




CITY OF
VINELAND
WHERE IT'S ALWAYS GROWING SEASON


David J. Maillet, PE
City Engineer
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www.vinelandcity.org


640 E. Wood Street
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October 06, 2021

TO: Robert Dickenson, Business Administrator 

FROM: David J. Maillet, PE, City Engineer 

RE: FY 2022 Local Transportation Projects Fund Application
Landis Avenue, Phase 5 & Landis Avenue Signals (Orchard & Mill)
File Number: 21-020 

I respectfully request a resolution be placed on the agenda for the October 12, 2021 City Council meeting authorizing the submission of the two above mentioned projects as one project for the grant application and execution of grant agreements with NJDOT for the Local Transportation Projects Fund.

In consultation with you and Mayor Fanucci, our office identified Landis Avenue (Orchard to Mill) and the Landis Signals as a viable candidate.

This application is in accordance with the City's Local Transportation Improvement Program. The total project cost for Landis Phase 5 and Signals, see attached, is estimated at a total of \$3,467,035.00.

cc: Mayor Anthony Fanucci

Special arrangements for persons with disabilities may be made if requested in



advance by contacting the Business Administrator's office at 856-794-4144.




CONSTRUCTION COST ESTIMATE

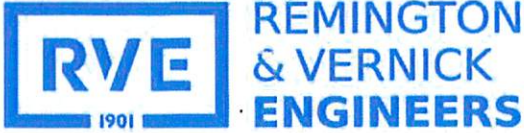
PROJECT NAME: RESURFACING OF LANDIS AVENUE PHASE 5
FEDERAL PROJECT NUMBER: STP-SJ-0056(305)
NJDOT PROJECT NUMBER: 6014439
RVE PROJECT NUMBER: 0614X005
CLIENT: CITY OF VINELAND
DATE: September 15, 2021

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
1	PERFORMANCE BOND AND PAYMENT BOND	DOLL	1	\$5,000.00	\$5,000.00
2	CONSTRUCTION LAYOUT	DOLL	1	\$5,000.00	\$5,000.00
3	BREAKAWAY BARRICADE	UN	10	\$300.00	\$3,000.00
4	DRUM	UN	100	\$10.00	\$1,000.00
5	TRAFFIC CONE	UN	200	\$5.00	\$1,000.00
6	CONSTRUCTION SIGNS	SF	300	\$20.00	\$6,000.00
7	PORTABLE VARIABLE MESSAGE SIGN	UN	6	\$5,000.00	\$30,000.00
8	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION	UN	4	\$5,000.00	\$20,000.00
9	TRAFFIC DIRECTOR, FLAGGER	HOUR	1000	\$73.03	\$73,030.00
10	NO ITEM	N/A	0	\$0.00	\$0.00
11	FUEL PRICE ADJUSTMENT	DOLL	1	\$5,000.00	\$5,000.00
12	ASPHALT PRICE ADJUSTMENT	DOLL	1	\$10,000.00	\$10,000.00
13	CLEARING SITE	LS	1	\$35,000.00	\$35,000.00

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
14	EXCAVATION, TEST PIT	CY	50	\$40.00	\$2,000.00
15	EXCAVATION, UNCLASSIFIED	CY	1000	\$35.00	\$35,000.00
16	I-7 SOIL AGGREGATE	CY	1000	\$35.00	\$35,000.00
17	DENSE GRADED AGGREGATE BASE COURSE, VARIABLE THICKNESS	CY	500	\$20.00	\$10,000.00
18	STABILIZED SOIL AGGREGATE BASE COURSE, ROAD MIXED, 6" THICK	SY	8038	\$17.00	\$136,646.00
19	STABILIZING AGENT, BITUMINOUS MATERIAL	GAL	23112	\$3.00	\$69,336.00
20	HMA MILLING, 3" OR LESS	SY	7277	\$4.00	\$29,108.00
21	POLYMERIZED JOINT ADHESIVE	LF	1000	\$2.00	\$2,000.00
22	TACK COAT	GAL	2355	\$2.00	\$4,710.00
23	PRIME COAT	GAL	2000	\$2.00	\$4,000.00
24	HOT MIX ASPHALT 12.5M64 SURFACE COURSE	TON	1796	\$110.00	\$197,560.00
25	HOT MIX ASPHALT 19M64 BASE COURSE	TON	1902	\$100.00	\$190,200.00
26	FULL DEPTH CONCRETE PAVEMENT REPAIR, CONCRETE CLASS B	SY	100	\$200.00	\$20,000.00
27	CONCRETE HEADWALL	CY	1	\$800.00	\$800.00
28	18" REINFORCED CONCRETE PIPE	LF	1248	\$95.00	\$118,560.00
29	NO ITEM	N/A	0	\$0.00	\$0.00
30	INLET, TYPE E	UN	2	\$3,000.00	\$6,000.00
31	INLET, TYPE B	UN	6	\$3,000.00	\$18,000.00
32	MANHOLE, 4' DIAMETER	UN	1	\$4,000.00	\$4,000.00
33	MANHOLE, 5' DIAMETER	UN	1	\$5,000.00	\$5,000.00

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
34	BIOFILTRATION UNIT	UN	14	\$10,000.00	\$140,000.00
35	UNDERGROUND STORM WATER DETENTION SYSTEM	UN	2	\$100,000.00	\$200,000.00
36	OUTLET CONTROL STRUCTURE	UN	2	\$8,000.00	\$16,000.00
37	MANUFACTURED TREATMENT DEVICE	UN	2	\$10,000.00	\$20,000.00
38	RIP RAP STONE SLOPE PROTECTION, 24" THICK (D50=8")	SY	2200	\$40.00	\$88,000.00
39	CONCRETE SIDEWALK, 4" THICK	SY	2675	\$65.00	\$173,875.00
40	CONCRETE DRIVEWAY, 6" THICK	SY	1050	\$75.00	\$78,750.00
41	HOT MIX ASPHALT DRIVEWAY, 6" THICK	SY	350	\$45.00	\$15,750.00
42	NO ITEM	N/A	0	\$0.00	\$0.00
43	DETECTABLE WARNING SURFACE, CAST IRON	SY	10	\$500.00	\$5,000.00
44	9"X18" CONCRETE VERTICAL CURB	LF	700	\$30.00	\$21,000.00
45	9"X18" CONCRETE VERTICAL CURB WITH GUTTER	LF	5600	\$40.00	\$224,000.00
46	NON-VEGETATIVE SURFACE, HOT MIX ASPHALT	SY	335	\$25.00	\$8,375.00
47	BEAM GUIDE RAIL	LF	976	\$30.00	\$29,280.00
48	TRAFFIC STRIPES, 4"	LF	12000	\$1.00	\$12,000.00
49	TRAFFIC MARKINGS, SYMBOLS	SF	55	\$15.00	\$825.00
50	RPM, MONO-DIRECTIONAL, WHITE LENS	UN	70	\$35.00	\$2,450.00
51	RPM, BI-DIRECTIONAL, AMBER LENS	UN	40	\$35.00	\$1,400.00
52	RPM, BI-DIRECTIONAL, BLUE LENS	UN	10	\$35.00	\$350.00
53	REGULATORY AND WARNING SIGN	SF	100	\$40.00	\$4,000.00

#	DESCRIPTION	UNITS	BID QUANTITY	ESTIMATED UNIT PRICE	AMOUNT
54	PAPER BARK MAPLE, 1 1/2"-2" CALIPER, B&B	UN	14	\$400.00	\$5,600.00
55	TREE REMOVAL, OVER 6" TO 12" DIAMETER	UN	10	\$1,000.00	\$10,000.00
56	TOPSOIL SPREADING, 4" THICK	SY	6000	\$5.00	\$30,000.00
57	BORROW TOPSOIL (IF & WHERE DIRECTED)	CY	750	\$35.00	\$26,250.00
58	FERTILIZING AND SEEDING, TYPE A-3	SY	6000	\$2.00	\$12,000.00
59	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	2000	\$10.00	\$20,000.00
60	STRAW MULCHING	SY	6000	\$1.00	\$6,000.00
61	TRAFFIC MARKING LINES, 6"	LF	580	\$4.50	\$2,610.00
62	TRAFFIC MARKING LINES, 8"	LF	110	\$7.00	\$770.00
63	TRAFFIC MARKING LINES, 24"	LF	140	\$18.00	\$2,520.00
- CONSTRUCTION COST ESTIMATE TOTAL:					\$2,238,755.00
 _____ FRANK J SENEY, PE NJ Professional Engineer License Number GE35321					



PROJECT NAME:

LANDIS AVENUE TRAFFIC SIGNAL REPLACEMENT (LANDIS AVE & MILL RD, LANDIS AVE & ORCHARD RD)

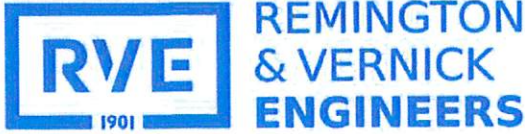
FEDERAL PROJECT NUMBER CMAQ-0056(302)
NJDOT PROJECT NUMBER 6014430
RVE PROJECT NUMBER: 0614T017

CLIENT:

CITY OF VINELAND

13-Sep-21

#	DESCRIPTION	UNITS	BID QUANTITY	EST. UNIT PRICE	AMOUNT
1	CONSTRUCTION LAYOUT	LS	1	\$15,000.00	\$15,000.00
2	NO ITEM	-	-	-	-
3	BREAKAWAY BARRICADE	UN	100	\$100.00	\$10,000.00
4	DRUM	UN	100	\$50.00	\$5,000.00
5	TRAFFIC CONE	UN	100	\$30.00	\$3,000.00
6	CONSTRUCTION SIGNS	SF	100	\$80.00	\$8,000.00
7	RPM, MONO-DIRECTIONAL, AMBER LENS	UN	86	\$45.00	\$3,870.00
8	RPM, MONO-DIRECTIONAL, WHITE LENS	UN	12	\$45.00	\$540.00
9	RPM, BI-DIRECTIONAL, AMBER LENS	UN	12	\$45.00	\$540.00
10	CLEARING SITE	LS	1	\$75,000.00	\$75,000.00
11	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHION	UN	1	\$10,000.00	\$10,000.00
12	TRAFFIC DIRECTOR, FLAGGER	HR	160	\$73.03	\$11,684.80
13	FLASHING ARROW BOARD 2' X 4'	UN	1	\$2,500.00	\$2,500.00
14	HMA MILLING, 3" OR LESS	SY	16635	\$2.50	\$41,587.50
15	EXCAVATION, TEST PIT	CY	5	\$300.00	\$1,500.00
16	TACK COAT	GAL	2660	\$1.00	\$2,660.00
17	EXCAVATION, UNCLASSIFIED	CY	315	\$65.00	\$20,475.00
18	HOT MIX ASPHALT 12.5M64 SURFACE COURSE, 2" THICK	TON	2025	\$95.00	\$192,375.00
19	HOT MIX ASPHALT 19M64 BASE COURSE, 4" THICK	TON	220	\$120.00	\$26,400.00
20	POLYMERIZED JOINT ADHESIVE	LF	6000	\$1.50	\$9,000.00
21	6" THICK DENSE-GRADED AGGREGATE BASE COURSE	SY	945	\$55.00	\$51,975.00
22	SAWING AND SEALING JOINTS IN HOT MIX ASPHALT OVERLAY	LF	100	\$15.00	\$1,500.00
23	CONCRETE SIDEWALK, 4" THICK	SY	1015	\$70.00	\$71,050.00
24	SILT FENCE	LF	2200	\$8.00	\$17,600.00



PROJECT NAME:

LANDIS AVENUE TRAFFIC SIGNAL REPLACEMENT (LANDIS AVE & MILL RD, LANDIS AVE & ORCHARD RD)

FEDERAL PROJECT NUMBER

CMAQ-0056(302)

NJDOT PROJECT NUMBER

6014430

RVE PROJECT NUMBER:

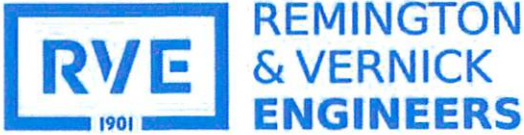
0614T017

CLIENT:

CITY OF VINELAND

13-Sep-21

#	DESCRIPTION	UNITS	BID QUANTITY	EST. UNIT PRICE	AMOUNT
25	9" X 18" CONCRETE VERTICAL CURB WITH GUTTER	LF	2095	\$35.00	\$73,325.00
26	DETECTABLE WARNING SURFACE, CAST IRON	SY	9	\$200.00	\$1,800.00
27	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	SY	325	\$100.00	\$32,500.00
28	HOT MIX ASPHALT DRIVEWAY, 6" THICK (IF & WHERE DIRECTED)	SY	20	\$100.00	\$2,000.00
29	RESET EXISTING CASTING (IF & WHERE DIRECTED)	UN	3	\$500.00	\$1,500.00
30	NO ITEM	-	-	-	-
31	TEMPORARY INLET SEDIMENT TRAP	UN	6	\$65.00	\$390.00
32	NO ITEM	-	-	-	-
33	TRAFFIC MARKINGS, THERMOPLASTIC, 4" WIDE	LF	8608	\$1.50	\$12,912.00
34	TRAFFIC MARKINGS, THERMOPLASTIC, 6" WIDE	LF	525	\$2.00	\$1,050.00
35	TRAFFIC MARKINGS, THERMOPLASTIC, 8" WIDE	LF	6612	\$3.00	\$19,836.00
36	TRAFFIC MARKINGS, THERMOPLASTIC, 24" WIDE	LF	231	\$10.00	\$2,310.00
37	TRAFFIC MARKINGS "ARROW", THERMOPLASTIC	UN	12	\$500.00	\$6,000.00
38	TRAFFIC MARKINGS, "ONLY", THERMOPLASTIC	UN	12	\$750.00	\$9,000.00
39	FUEL PRICE ADJUSTMENT	LS	1	\$600.00	\$600.00
40	ASPHALT PRICE ADJUSTMENT	LS	1	\$1,000.00	\$1,000.00
41	REGULATORY AND WARNING SIGNS	SF	133.5	\$30.00	\$4,005.00
42	REFLECTORIZED MAST ARM STREET NAME SIGNS	SF	102	\$50.00	\$5,100.00
43	REMOVE AND RESET PAVERS	SY	155	\$220.00	\$34,100.00
44	TEMPORARY TRAFFIC SIGNAL SYSTEM, LOCATION 1	LS	1	\$20,000.00	\$20,000.00
45	TEMPORARY TRAFFIC SIGNAL SYSTEM, LOCATION 2	LS	1	\$20,000.00	\$20,000.00
46	3" RIGID METALLIC CONDUIT, TYPE CUG	LF	891	\$45.00	\$40,095.00



PROJECT NAME:

LANDIS AVENUE TRAFFIC SIGNAL REPLACEMENT (LANDIS AVE & MILL RD, LANDIS AVE & ORCHARD RD)

FEDERAL PROJECT NUMBER CMAQ-0056(302)
NJDOT PROJECT NUMBER 6014430
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CLIENT:

CITY OF VINELAND

13-Sep-21

#	DESCRIPTION	UNITS	BID QUANTITY	EST. UNIT PRICE	AMOUNT
47	2" RIGID NON METALLIC CONDUIT	LF	11	\$20.00	\$220.00
48	SERVICE WIRE #6	LF	43	\$3.00	\$129.00
49	9" X 18" CONCRETE VERTICAL CURB	LF	105	\$30.00	\$3,150.00
50	CONTROLLER, 8-PHASE	UN	2	\$15,000.00	\$30,000.00
51	CONTROLLER TURN-ON	UN	2	\$3,000.00	\$6,000.00
52	ACCESSIBLE PEDESTRIAN CONTROLLER	UN	2	\$3,500.00	\$7,000.00
53	UPS SYSTEM, COMPLETE	UN	2	\$5,000.00	\$10,000.00
54	FOUNDATION, TYPE STF	UN	4	\$2,000.00	\$8,000.00
55	18" X 36" JUNCTION BOX	UN	10	\$2,000.00	\$20,000.00
56	FOUNDATION, TYPE SFT	UN	4	\$2,000.00	\$8,000.00
57	FOUNDATION, TYPE SPF	UN	10	\$1,500.00	\$15,000.00
58	FOUNDATION, TYPE P-MC	UN	2	\$2,500.00	\$5,000.00
59	METER CABINET, TYPE T	UN	2	\$2,800.00	\$5,600.00
60	NO ITEM	-	-	-	-
61	GROUND WIRE NO. 8	LF	948	\$3.00	\$2,844.00
62	TRAFFIC SIGNAL CABLE, 2 CONDUCTOR	LF	1607	\$2.00	\$3,214.00
63	TRAFFIC SIGNAL CABLE, 5 CONDUCTOR	LF	1630	\$3.00	\$4,890.00
64	TRAFFIC SIGNAL CABLE, 10 CONDUCTOR	LF	2794	\$4.00	\$11,176.00
65	PUSH BUTTON STANDARD	UN	4	\$1,000.00	\$4,000.00
66	TRAFFIC SIGNAL STANDARD, ALUMINUM	UN	4	\$3,000.00	\$12,000.00
67	PEDESTRIAN SIGNAL STANDARD	UN	6	\$1,000.00	\$6,000.00
68	TRAFFIC SIGNAL MAST ARM, ALUMINUM	UN	4	\$2,500.00	\$10,000.00
69	TRAFFIC SIGNAL HEAD	UN	28	\$1,200.00	\$33,600.00
70	FERTILIZING AND SEEDING TYPE "G"	SY	2590	\$3.00	\$7,770.00
71	PEDESTRIAN SIGNAL HEAD	UN	16	\$1,000.00	\$16,000.00
72	ACCESSIBLE PUSH BUTTON	UN	16	\$750.00	\$12,000.00
73	IMAGE DETECTOR	UN	8	\$6,000.00	\$48,000.00
74	TRAFFIC SIGNAL STANDARD, STEEL	UN	4	\$6,000.00	\$24,000.00



**REMINGTON
& VERNICK
ENGINEERS**

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LANDIS AVENUE TRAFFIC SIGNAL REPLACEMENT (LANDIS AVE & MILL RD, LANDIS AVE & ORCHARD RD)

FEDERAL PROJECT NUMBER

CMAQ-0056(302)

NJDOT PROJECT NUMBER

6014430

RVE PROJECT NUMBER:

0614T017

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CITY OF VINELAND

13-Sep-21

#	DESCRIPTION:	UNITS	BID QUANTITY	EST. UNIT PRICE	AMOUNT
75	TRAFFIC SIGNAL MAST ARM, STEEL	UN	4	\$5,000.00	\$20,000.00
76	TOPSOILING, 4" THICK	SY	2590	\$5.00	\$12,950.00
77	FERTILIZING AND SEEDING, TYPE A-3	SY	2590	\$3.00	\$7,770.00
78	STRAW MULCHING	SY	2590	\$2.00	\$5,180.00

TOTAL ESTIMATED CONSTRUCTION COST:

\$1,228,280.00

Frank J. Seney, P.E., P.P., C.M.E.