



Profile: W. Park Avenue
 scale: horizontal: 1 inch = 20 feet
 vertical: 1 inch = 2 feet

CONCRETE IMPROVEMENTS:
 REMOVE CONCRETE CURB, 325 L.F. (N.S.P.)
 REMOVE CONCRETE SIDEWALK AND CURB RAMP, 86 S.Y. (N.S.P.)
 REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK, 52 S.Y. (N.S.P.)
 CONSTRUCT 6"x8"x18" CONCRETE CURB, CLASS 'B', WITH SELECT BACKFILL, DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC, 13 L.F. (N.S.P.)
 CONSTRUCT CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK, 77 S.Y.
 CONSTRUCT CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B' WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 54 S.Y.

ROADWAY RECONSTRUCTION (INCLUDING WAWA ENTRANCE):
 EXCAVATION, UNCLASSIFIED, 120 C.Y.
 SAWCUT BITUMINOUS PAVEMENT, 295 L.F.
 PAVEMENT REINFORCING GEGRID, 140 S.Y.
 DENSE GRADED AGGREGATE SUBBASE, 6" THICK, 60 S.Y.
 DENSE GRADED AGGREGATE SUBBASE, 4" THICK, 80 S.Y.
 HOT MIX ASPHALT, 25M64 BASE COURSE, 4" THICK, 60 S.Y.
 HOT MIX ASPHALT, 25M64 SURFACE COURSE, 3" THICK, 80 S.Y.
 HOT MIX ASPHALT, 25M64 SURFACE COURSE, 2" THICK, 610 S.Y.
 HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 35 TONS
 HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK, 750 S.Y.
 TOPSOIL, 5" THICK AND SOODING, 390 S.Y.

RESET WATER METER BOX, 2 UNITS (N.S.P.)
 RESET WATER VALVE BOX, 1 UNIT (N.S.P.)
 RESET GAS VALVE BOX, 2 UNITS (N.S.P.)
 RESET SANITARY SEWER CLEANOUT/ SEWER VENT, 1 UNIT (N.S.P.)

- Legend:**
- WEST PARK AVENUE RESTORATION: EXCAVATION, UNCLASSIFIED; HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK; HOT MIX ASPHALT, 25M64 BASE COURSE, 2" THICK
 - WEST PARK AVENUE RESTORATION: EXCAVATION, UNCLASSIFIED; SUBSURFACE STRUCTURE EXCAVATION; HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK; HOT MIX ASPHALT, 25M64 BASE COURSE, 4" THICK; DENSE GRADED AGGREGATE SUBBASE, 6" THICK; PAVEMENT REINFORCING GEGRID
 - PROPOSED FUTURE WAWA CONVENIENCE STORE ENTRANCE: EXCAVATION, UNCLASSIFIED; HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 3" THICK; HOT MIX ASPHALT, 25M64 BASE COURSE, 4" THICK; DENSE GRADED AGGREGATE SUBBASE, 4" THICK; PAVEMENT REINFORCING GEGRID
 - CONCRETE SIDEWALK, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK OR CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK OR
 - TOPSOIL, 5" THICK AND SOODING
 - 6"x8"x18" CONCRETE CURB, CLASS 'B', WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK
 - DEMOLISH SANITARY SEWER, COMPLETE, (N.S.P.)
 INSTALL PRECAST SANITARY SEWER MANHOLE, COMPLETE, WITH SELECT BACKFILL, DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC
 - REMOVE 8" DIA. T.C.P. SANITARY SEWER MAIN (N.S.P.)
 INSTALL 8" DIA. SDR-35 SANITARY SEWER MANHOLE WITH SELECT BACKFILL, DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC

THE CONTRACTOR SHALL UTILIZE THE EXISTING ROADWAY AS A CONSTRUCTION ENTRANCE. THE ROADWAY SHALL BE CLEANED AS NEEDED OR AS DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE BOROUGH ENGINEER, TO ELIMINATE TRAFFIC HAZARDS, DUST, ETC. (see soil conservation notes), LUMP SUM (N.S.P.).

CRUSHED OR RECYCLED CONCRETE OR CRUSHED OR RECYCLED ASPHALT WILL NOT BE ACCEPTED AS A SUBSTITUTE TO DENSE GRADED AGGREGATE FOR THIS PROJECT.

(N.S.P.) INDICATES NO SPECIFIC PAYMENT WILL BE MADE FOR THE ITEM. THE COST SHALL BE INCLUDED IN VARIOUS ITEMS IN THE PROPOSAL.

THE CONTRACTOR SHALL NOT ENTER ONTO ANY PRIVATE PROPERTIES WITHOUT RECEIVING A "CONSENT TO ENTER AGREEMENT" FROM THE PROPERTY OWNER.

SHOULD POLICE TRAFFIC DIRECTORS BE REQUIRED, THEIR SERVICES SHALL BE PAID FOR BY THE BOROUGH, AT NO COST TO THE CONTRACTOR. HOWEVER, THE CONTRACTOR MUST STILL PROVIDE, AT HIS COST, MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS. 24-HOUR ROAD CLOSINGS WILL NOT BE PERMITTED.

THE CONTRACTOR SHALL VERIFY ALL STRUCTURE INVERTS FOR ALL MANHOLE STRUCTURES PRIOR TO ORDERING. SHOP DRAWINGS SHALL BE SUBMITTED WITH INVERT ELEVATIONS (TO BE VERIFIED BY CONTRACTOR) SHOWN ON SHOP DRAWINGS FOR REVIEW AND APPROVED BEFORE ORDERING.

ALL CURB RAMPS CONSTRUCTED SHALL MEET THE "PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY" (P.R.O.W.A.G.), DATED JULY 26, 2011

List of Quantities:
 Base Bid: Roadway Improvements to West Park Avenue from Newton Avenue (C.R. 743) to The White Horse Pike (N.J.S.H. 30)
 (PARTIALLY FUNDED THROUGH THE NJDOT MUNICIPAL AID PROGRAM, FY2020)

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY
1	EXCAVATION, UNCLASSIFIED	C.Y.	120
2	SAWCUT BITUMINOUS PAVEMENT	L.F.	295
3	SAWCUT CONCRETE PAVEMENT	L.F.	0
4	MILLING PAVEMENT, 2" THICK	S.Y.	0
5	REMOVE CONCRETE ROADWAY	S.Y.	0
6	PRECAST SANITARY SEWER MANHOLE, COMPLETE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC	UNIT	1
7	8" DIA. P.V.C. SDR-35 SANITARY SEWER MAIN WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC	L.F.	13
8	SUMP PUMP/ROOF DRAIN LATERAL & CLEANOUT, COMPLETE, WITH SELECT BACKFILL, DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC	UNIT	4
9	6" DIA. P.V.C. SCH. 40 SUMP PUMP/ROOF DRAIN PIPE WITH SELECT BACKFILL DESIGNATION I-11, No. 8 STONE BEDDING AND TRENCH FILTER FABRIC	L.F.	180
10	SUMP LATERAL MARKER	UNIT	4
11	PARGE INLET STRUCTURE	UNIT	0
12	6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	390
13	6"x8"x18" CONCRETE CURB, CLASS 'B' WITH SELECT BACKFILL, DESIGNATION I-11 AND DENSE GRADED AGGREGATE SUBBASE, 4" THICK	L.F.	0
14	CONCRETE ROCKER CUTTER, 9" THICK, CLASS 'B' WITH WELDED WIRE MESH, 6"x6"x1/4"x1/4" DENSE GRADED AGGREGATE SUBBASE, 6" THICK AND FILTER FABRIC	S.Y.	0
15	CONCRETE SIDEWALK AND CURB RAMP, 4" THICK, CLASS 'B', WITH SOIL AGGREGATE SUBBASE, 4" THICK	S.Y.	77
16	CONCRETE DRIVEWAY APRON/ SIDEWALK, 6" THICK, CLASS 'B', WITH DENSE GRADED AGGREGATE SUBBASE, 4" THICK	S.Y.	54
17	DETECTABLE WARNING SURFACE	S.F.	16
18	PAVEMENT REINFORCING GEGRID	S.Y.	140
19	DENSE GRADED AGGREGATE SUBBASE, 6" THICK (ROADWAY/ WAWA DRIVEWAY)	S.Y.	60
20	DENSE GRADED AGGREGATE SUBBASE, 4" THICK (DRIVEWAY RESTORATION)	S.Y.	80
21	HOT MIX ASPHALT, 25M64 BASE COURSE, 4" THICK (ROADWAY/ WAWA DRIVEWAY)	S.Y.	60
22	HOT MIX ASPHALT, 25M64 BASE COURSE, 3" THICK (DRIVEWAY RESTORATION)	S.Y.	80
23	HOT MIX ASPHALT, 25M64 BASE COURSE, 2" THICK (ROADWAY RESTORATION)	S.Y.	610
24	HOT MIX ASPHALT, 9.5M64 LEVELING COURSE (ROADWAY RESTORATION)	TONS	35
25	HOT MIX ASPHALT, 9.5M64 SURFACE COURSE, 2" THICK	S.Y.	750
26	CONCRETE ROADWAY, 9" THICK, CLASS 'B' WITH WELDED WIRE MESH, 6"x6"x1/4"x1/4" FILTER FABRIC AND DOWELS	S.Y.	0
27	CLEAN AND SEAL JOINTS	L.F.	0
28	SAWCUT AND SEAL JOINTS	L.F.	0
29	TOPSOIL, 5" THICK AND SOODING	S.Y.	390
30	SIGN	UNIT	2
31	PAINT CURB YELLOW	L.F.	0
32	TRAFFIC STRIPES, 6" WIDE	L.F.	65
33	TRAFFIC STRIPES, 12" WIDE	L.F.	78
34	TRAFFIC STRIPES, DOUBLE YELLOW, 4" WIDE	L.F.	0
35	ASPHALT PRICE ADJUSTMENT	L.S.	L.S.
36	FUEL PRICE ADJUSTMENT	L.S.	L.S.

No Specific Payment Items:

ITEM NUMBER	DESCRIPTION	UNIT MEASURED	QUANTITY
A	SOIL EROSION AND SEDIMENT CONTROL	N.S.P.	N.S.P.
B	SUBSURFACE STRUCTURE EXCAVATION	N.S.P.	N.S.P.
C	DEMOLISH SANITARY SEWER MANHOLE, COMPLETE	UNIT	1
D	REMOVE 8" DIA. T.C.P. SANITARY SEWER MAIN	L.F.	13
E	CONNECT PIPE TO PIPE	UNIT	1
F	CONNECT PIPE TO INLET	UNIT	0
G	CLEANOUT PROTECTION BOX	UNIT	0
H	REMOVE CONCRETE CURB	L.F.	325
I	REMOVE CONCRETE SIDEWALK/ CURB RAMP/ CONCRETE AREA	S.Y.	86
J	REMOVE CONCRETE DRIVEWAY APRON/ SIDEWALK	S.Y.	52
K	REMOVE SIGN	UNIT	1
L	REPLACE INLET HEAD	UNIT	0
M	RESET RAILROAD TIE EDGING	L.F.	0
N	RESET SIGN	UNIT	1
O	RESET STEPPING STONES	UNIT	0
P	RESET WATER VALVE BOX	UNIT	1
Q	RESET WATER METER BOX	UNIT	2
R	RESET GAS VALVE BOX	UNIT	2
S	RESET SANITARY SEWER CLEANOUT/ SEWER VENT	UNIT	1
T	TRIM TREES	N.S.P.	N.S.P.
U	TEMPORARY TRENCH PAVEMENT, 3" THICK	S.Y.	60
V	CLEANING AND SWEEPING	S.Y.	0
W	TACK COAT, GRADE RS-1	GAL.	0
X	DEWATERING	N.S.P.	N.S.P.
Y	JOINT SEALER	L.F.	28
Z	CONCRETE SEALING	N.S.P.	N.S.P.
AA	WATERING	N.S.P.	N.S.P.
BB	MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC	N.S.P.	N.S.P.

Construction Plan and Profile, Base Bid

Roadway Improvements to West Park Avenue from Newton Avenue (C.R. 743) to the White Horse Pike (N.J.S.H. 30)

Borough of Oaklyn
Camden County, New Jersey

DATE: AUGUST 6, 2021 DRAWN BY: S. Hebborn CHKD. BY: SCALE: AS NOTED
 PROJECT No. 25-2480K0719 FIELD BOOK/PAGE: SHEET No. 4 OF 12

GREGORY BLASE FUSCO
 PROFESSIONAL ENGINEER
 NJPE No. 32853 PA.PE No. 036608-E
 NJ PROFESSIONAL PLANNER No. 4076

KEY ENGINEERS, INC.
 80 S. WHITE HORSE PIKE
 BERLIN, NEW JERSEY 08009-2399
 CERTIFICATE OF AUTHORIZATION #240A28D41300

CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE DEPARTMENT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED, AND THE DEPARTMENT'S SUPPLEMENTARY SPECIFICATIONS FOR STATE AID PROJECTS, 2019 EDITION, WHICH IS INCORPORATED HEREIN BY REFERENCE, AS AMENDED AND SUPPLEMENTED. STANDARD CONSTRUCTION DETAILS SHALL CONFORM TO THE LATEST REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION. THE NEW JERSEY DEPARTMENT OF TRANSPORTATION "STANDARD ROADWAY CONSTRUCTION/ TRAFFIC CONTROL/ BRIDGE CONSTRUCTION DETAILS" BOOKLET DATED 2016 AND "ELECTRICAL BUREAU STANDARD DETAILS, 2007" AND ALL BASELINE DOCUMENT CHANGES MADE TO THESE CONSTRUCTION DETAILS, SHALL GOVERN, EXCEPT FOR THOSE DETAILS CONTAINED HEREIN, PARTIALLY FUNDED THROUGH NEW JERSEY DEPARTMENT OF TRANSPORTATION FY2020.

BENCHMARK REBAR WITH CAP ELEV. 48.59
 REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.