

FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	N.Y.		32	15
DELAWARE PT 2, SH. 41				
ALBANY COUNTY				

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	HIGHWAY PORTION		UTILITY PORTION		COMBINED TOTAL	
			ESTIMATED	PERCENT	ESTIMATED	PERCENT	ESTIMATED	FINAL
15201.06	CLEARING AND GRUBBING(NO BURNING)	L.S.	100%		NEC.	100		100
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	C.Y.	1549			1549		1,146.70
203.03	EMBANKMENT IN PLACE	C.Y.	1327			1347		2,088.80
203.07	SELECT GRANULAR FILL	C.Y.	641		59			1,230.80
206.02	TRENCH AND CULVERT EXCAVATION	C.Y.	1670		253		700	2,606.01
209.01	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	L.S.	100%		NEC.			2.20
15304.0104	SUBBASE COURSE SELECT GRANULAR MATERIAL	C.Y.	830			836		618.32
403.02	ASPHALT CONCRETE TYPE IAF TOP (HIGH FRICTION)	TON	344			344		376.80
403.06	ASPHALT CONCRETE TYPE 2A BINDER	TON	797		15			969.00
403.08	ASPHALT CONCRETE-TRUING AND LEVELING COURSE	TON	162			162		280.00
601.01	CLASS "A" CONCRETE FOR STRUCTURES	C.Y.	16			16		16
602.02	BAR REINFORCEMENT FOR STRUCTURES	POUNDS	400			400		23.50
603.2114	SMOOTH LINED CORRUGATED STEEL PIPE(2 2/3"x3")18"DIA. 16GA.	LF	1070			1070		1,491.20
603.2120	SMOOTH LINED CORRUGATED STEEL PIPE(2 2/3"x3")24"DIA. 16GA.	LF	550		54		604	1,201.00
603.3611	REINFORCED CONC. HORTZ. ELLIPTICAL PIPE CLASS HE11 91"SP 58"R.	LF	108			108		573.00
01604.0201	CATCH BASIN TYPE A	LF	39			39		104.20
01604.0202	CATCH BASIN TYPE B	LF			4		4	4.40
01604.0401	MANHOLE TYPE A	LF	9			9		9.37
01604.0403	MANHOLE TYPE C	LF	4			4		4.24
604.07	ALTERING CATCH BASINS, MANHOLES, FIELD INLETS, DROP INLETS	EA			1		1	12.00
604.10	PREFABRICATED ADJUSTMENT RINGS FOR MANHOLES	EA			6		6	0.00
607.11	RIGHT OF WAY FENCING	LF	60			60		90.00
608.02	ASPHALT CONCRETE SIDEWALKS, DRIVEWAYS AND CLASS I BIKEWAYS	TON	99		1		100	291.18
609.0401	CONC. CURB TYPE "AB"(Extrusion Method)	LF	404.7			404.7		4,083.70
610.03	SEEDING ON SPECIAL AREAS	ACRE	.5			.5		1.08
15619.0102	BASIC MAINTENANCE AND PROTECTION OF TRAFFIC	LS.	90%		10%		NEC.	100.00
15619.02	CONSTRUCTION SIGNS	LS.	100%				NEC.	100.00
15619.03	DELINEATION & GUIDING DEVICES FOR CONSTRUCTION	STATION	50			50		42.30
15619.04	CONSTRUCTION BARRICADES	STATION	2			2		2.00
15619.05	LIGHTING FOR CONSTRUCTION BARRICADES	Cd/CFT	20			20		44.33
15619.12	WATCHMEN SERVICE	PATROL	800			800		390.00
620.04	STONE FILLING (MEDIUM)	C.Y.	197			197		192.80
623.03	CRUSHED STONE (BY WEIGHT)	TON	10			10		0.00
625.01	RIGHT OF WAY MARKERS (OPTIONS GRANITE OR CONC. TYPE L)	EA.	13			13		13.00
15628.0503	SAFE OPERATION SHEET PILING	S.F.	6627		2453		9080	0.00
633.01	CLEANING EXISTING PAVEMENT	MILE	0.4			0.4		0.40
01637.0601	ENGINEERS OFFICE TYPE B	MONTH	12			12		3.50
655.01	FRAMES & GRATES (CASTINGS)	S.F.	17			17		16.70
15655.03	FRAMES & GRATES-CASTINGS AND FABRICATED	S.F.	50		7		57	76.70
01660.0606	FURNISH & INSTALL 6" DIA. DUCTILE IRON PIPE	L.F.			62		62	40.50
01660.0612	FURNISH & INSTALL 12" DIA. DUCTILE IRON PIPE	L.F.			18		18	24.18
01660.0616	FURNISH & INSTALL 16" DIA. DUCTILE IRON PIPE	L.F.			39		39	78.63
01660.0703	FURNISH & INSTALL 6" INSERTING VALVE AND BOX	EA.			4		4	2.00
01660.1003	ALTERING VALVE BOXES	EA.			3		3	3.00
01660.1005	RE-ESTABLISH HOUSE SERVICE CONN.-WATER	EA.			7		7	4.00
03660.1701	FURNISH & INSTALL 6X6 TAPPING SLEEVE AND VALVE	EA.			4		4	2.00
10660.2202	STEEL CASING, 16" DIAMETER	L.F.			14		14	15.73
10660.2204	STEEL CASING, 20" DIAMETER	L.F.			14		14	48.24
01660.3501	RE-ESTABLISH SERVICE CONN.-SEWER COMPLETE	EA.			1		1	3.00
99.01	MOBILIZATION	LS.	90%		10%		NEC.	100.00

UTILITY DISPOSITION TABLE

STATION TO STATION	SIDE	OWNER	DESCRIPTION	DISPOSITION	EST.COST	STATUS OF AGREEMENT
E 108+75 - E 111+50	LT.	NIAGARA MOHAWK POWER CORP. AND N.Y. TELEPHONE CO. JOINT OWNERS	3 POLES & OVERHEAD LINE	TO BE RELOCATED	NR	OWNER AGREES TO RELOCATE
E 105+80 - E 105+90	RT.	NIAGARA MOHAWK POWER CORP.	UNDER GROUND 8" GAS MAIN	TO BE RELOCATED	NR	OWNER AGREES TO RELOCATE
E 117+50 - E 117+60	LT.	NIAGARA MOHAWK POWER CORP.	UNDER GROUND 12" GAS MAIN	TO BE RELOCATED	NR	OWNER AGREES TO RELOCATE
E 118+35 - E 118+55	RT.	NIAGARA MOHAWK POWER CORP.	UNDER GROUND 12" GAS MAIN	TO BE RELOCATED	NR	OWNER AGREES TO RELOCATE
E 120+35 - E 120-55	LT.	TOWN OF BETHLEHEM WATER DIST. 1	6" C.I. WATER MAIN	TO BE RELOCATED		BY CONTRACTOR
E 109+82 - E 114+55	LT.	TOWN OF BETHLEHEM WATER DIST. 1	16" C.I. WATER MAIN	TO BE RELOCATED AND ENCASED		BY CONTRACTOR
E 109+82	LT.	TOWN OF BETHLEHEM SEWER DISTRICT 1	12" SEWER MAIN	TO BE REPLACED AND ENCASED		BY CONTRACTOR
E 109+80 - E 110+00	RT.	TOWN OF BETHLEHEM SEWER DISTRICT 1	12" SEWER MAIN	TO BE REPLACED AND ENCASED		BY CONTRACTOR
E 109+82		SEE DETAIL SHEET #15	6" WATER MAIN			

NOTE: (1) TEST HOLES-IN ORDER TO DETERMINE THE EXACT LOCATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION, TEST HOLES WILL BE AS INDICATED IN THE TABLE BELOW OR A.O.B.E. THE EXCAVATION REQUIRED IN THE DIGGING OF THESE TEST HOLES WILL BE PAID FOR UNDER ITEM 206.02, TRENCH AND CULVERT EXCAVATION. UNDERGROUND UTILITIES-THE CONTRACTOR'S ATTENTION IS CALLED TO THE EXISTENCE OF UNDERGROUND UTILITIES ALONG THE PROJECT. THESE LOCATIONS ARE APPROXIMATE ONLY AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO AVOID DAMAGING THEM. ANY DAMAGE DONE TO OR CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE OWNERS SATISFACTION AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS TO COOPERATE WITH THE OWNERS OF THE VARIOUS UTILITIES IN ORDER TO PROGRESS THE WORK IN THE MOST EFFICIENT MANNER.

(2) THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT ALL UNEXPECTED UTILITIES IN CONFLICT WITH PROPOSED INSTALLATIONS AS A RESULT OF THE CONTRACTOR'S TEST HOLES WILL BE MODIFIED A.O.B.E.

THE CONTRACTOR IS REMINDED OF THE FACT THAT BOTH THE NEW YORK TELEPHONE COMPANY AND THE NIAGARA MOHAWK POWER CORPORATION WILL BE RELOCATING THEIR FACILITIES DURING THE CONSTRUCTION OF THIS PROJECT.

IN ORDER TO INSURE THE TIMELY RELOCATION OF THESE FACILITIES, THE HIGHWAY CONTRACTOR SHALL CO-OPERATE BY GIVING PRIORITY TO THE CLEARING AND GRUBBING OF THOSE AREAS WITHIN THE RIGHT-OF-WAY, EASEMENTS, AND PROJECT LIMITS WHICH ARE CONSIDERED ESSENTIAL BY THESE UTILITY COMPANIES AS DETERMINED BY THE STATE'S ENGINEER IN CHARGE.

BOTH THE NEW YORK TELEPHONE COMPANY AND NIAGARA MOHAWK POWER CORP. HAVE PLEDGED THEIR COOPERATION TO PROCEED TO RELOCATE THEIR FACILITIES THAT ARE REQUIRED FOR CONSTRUCTION IMMEDIATELY FOLLOWING THE CLEARING AND GRUBBING OPERATION.

WATERMAIN RELOCATION							
STA.	SIDE	OFFSET	SIZE	THICKNESS	CLASS	LENGTH	
						ITEM 01660.0616	ITEM 10660.2204
109+87	RT	8 FT	16" DIA. WITH CASING	CLASS II	14.6 LF		12.2 LF
109+67	LT	23 FT	6" DIA. WITH CASING	CLASS II			6.0 LF
114+56	RT	7 FT	16" DIA. WITH CASING	CLASS II	64.0 LF		30.0 LF
114+58	LT	23 FT	6" DIA. WITH-OUT CASING	CLASS II		4.5 LF	
TOTAL						78.6 LF	48.2 LF

NOTE: DUCTILE IRON PIPE SHALL BE DOUBLE CEMENT LINED.

SEWER MAIN ALTERATION							
STA.	SIDE	OFFSET	SIZE	THICKNESS	CLASS	LENGTH	
						ITEM 01660.0612	ITEM 10660.2202
109+92	RT	14'	12" DIA.	CLASS II	24.2 LF		15.7 LF
109+92	RT	14'	16" CASING	CLASS II			
TOTAL						24.2 LF	15.7 LF

STATION	LOCATION OF CONTRACTORS TEST HOLES			
	6" WATER	NORTH SIDE GAS MAIN	16" WATER	SOUTH SIDE 12" SANITARY
102+10±				
105+75±		X		
108+50±				
109+65±	X	X	X	X
110+20±	X	X	X	X
111+50±		X	X	X
112+71±		X	X	X
114+61±	X	X	X	X
116+00±	X	X	X	X
117+50±		X	X	X
118+41±		X	X	X
120+38±		X	X	X

STATION	LOCATION OF CONTRACTORS TEST HOLES			
	6" WATER	NORTH SIDE GAS MAIN	16" WATER	SOUTH SIDE 12" SANITARY
109+20				
109+80	X			
109+82		X		
109+95				X
114+50				X
114+56		X		
TEST HOLES AS SHOWN OR A.O.B.E.				
115+15				X
117+28			X	X

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ESTIMATE OF QUANTITIES

STATE OF NEW YORK  
DEPARTMENT OF TRANSPORTATION

DATE: EO SCALE: NONE DRAWING #: TO

DESIGNED BY: [Signature] CHECKED BY: [Signature] DATED: 5-22-25 REVIEWED BY: [Signature] DATED: 11/1/25 IN CHARGE OF: [Signature]