

**CITY OF COLUMBUS**  
**DIVISION OF DESIGN AND CONSTRUCTION**  
**DESIGN SECTION**

**RESURFACING 2010 PROJECT 4, 1661 DR. A**  
**STREET LIST WITH DIMENSIONS**

ID	REJ. AGENT	EYE BROW	STREET	FROM	TO	ZONE	PAVEMENT DIMENSIONS		
							WIDTHS	LENGTH	AREA (SY)
7651	-	-	CLEVELAND AV	GENESSEE AV (NFC)	OAKLAND PARK AV (SFC)	1	40 - 57	4,477	24,132
6649	-	-	GENDER RD	58' S/ WINCHESTER PIKE (CORP)	BRICE RD (NCR)	4	25 - 68	22,909	90,873
5550	-	-	HAMILTON RD	DUBLIN-GRANVILLE RD (NFC)	2590' N/ DUBLIN-GRANVILLE RD (N)	1	126 - 137	2,590	35,511
6800	-	-	HAMILTON RD	MORSE RD (NFC)	DUBLIN-GRANVILLE RD (SEP)	1	29 - 90	8,572	41,130
7680	-	-	LEHMAN RD	GENDER RD (EEP)	BRIDGE (O) GEORGES CREEK (WE	4	18	179	378
7646	-	-	LIVINGSTON AV	CASTLEGATE RD (WCR)	BROOKWAY AV (ECR)	4	40 - 65	10,444	58,240
4657	-	-	SECOND AV	4TH ST (EFC)	378' E/ WASHINGTON AV (PVT.CHG)	2	29 - 30	3,830	13,361
<b>STREET COUNT: 7</b>								<b>53,001</b>	<b>263,625</b>

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**RESURFACING 2010 PROJECT 4, 1661 DR. A**  
**STREET LIST WITH IMPROVEMENTS**

<b>ID</b>	<b>STREET</b>	<b>FROM</b>	<b>TO</b>	<b>IMPROVEMENTS</b>		
7651	CLEVELAND AV	GENESSEE AV (NFC)	OAKLAND PARK AV (SFC)	<b>416-SURF-TYPE III (1-1/2")</b> <b>PRELEVEL</b>	<b>CURB &amp; GUTTER</b> <b>PVT REPAIR</b>	<b>PLANING</b> <b>SAMI</b>
6649	GENDER RD	58' S/ WINCHESTER PIKE	BRICE RD (NCR)	<b>402 OVERLAY (1-1/2")</b> <b>CURB &amp; GUTTER</b> <b>PRELEVEL</b>	<b>416-SURF-TYPE III (1-1/2")</b> <b>MAINTAINING TRAFFIC</b> <b>PVT REPAIR</b>	<b>BERM</b> <b>PLANING</b> <b>SAMI</b>
5550	HAMILTON RD	DUBLIN-GRANVILLE RD (	2590' N/ DUBLIN-GRANVIL	<b>416-SURF-TYPE II (1-1/2")</b> <b>PRELEVEL</b>	<b>BERM</b> <b>SAMI</b>	<b>PLANING</b> <b>STRAIGHT CURB</b>
6800	HAMILTON RD	MORSE RD (NFC)	DUBLIN-GRANVILLE RD (	<b>416-SURF-TYPE II (1-1/2")</b> <b>PRELEVEL</b>	<b>BERM</b> <b>SAMI</b>	<b>PLANING</b>
7680	LEHMAN RD	GENDER RD (EEP)	BRIDGE (O) GEORGES C	<b>402 OVERLAY (1-1/2")</b>	<b>BERM</b>	
7646	LIVINGSTON AV	CASTLEGATE RD (WCR)	BROOKWAY AV (ECR)	<b>416-SURF-TYPE III (1-1/2")</b> <b>PLANING</b> <b>SAMI</b>	<b>CURB &amp; GUTTER</b> <b>PRELEVEL</b> <b>WALK</b>	<b>MAINTAINING TRAFFIC</b> <b>PVT REPAIR</b>
4657	SECOND AV	4TH ST (EFC)	378' E/ WASHINGTON AV	<b>416-SURF-TYPE II (1-1/2")</b> <b>PRELEVEL</b>	<b>BRICK PREP</b> <b>PVT REPAIR</b>	<b>PLANING</b> <b>SAMI</b>

**STREET COUNT: 7**

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**RESURFACING 2010 PROJECT 4, 1661 DR. A, 530282 - 100055**  
**ESTIMATE OF QUANTITIES**

<b>REF. NO.</b>	<b>ITEM DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNITS</b>
1	201 CLEARING AND GRUBBING	85	SQ YD
2	201 TREES REMOVED, 12"	10	EACH
3	202 CURB AND GUTTER REMOVED	4,363	LIN FT
4	202 CURB REMOVED	20	LIN FT
5	202 RAISED PAVEMENT MARKER REMOVED AND DISPOSED OF, AS PER PLAN	985	EACH
6	202 WALK REMOVED	48	SQ FT
7	203 EMBANKMENT	131	CU YD
8	203 EXCAVATION	688	CU YD
9	204 PROOF ROLLING	100	HOUR
10	204 SUBGRADE COMPACTION	1,810	SQ YD
11	209 LINEAR GRADING (RESHAPING BERM)	1,000	LIN FT
12	251 PARTIAL DEPTH PAVEMENT REPLACEMENT	187	CU YD
13	254 PAVEMENT PLANING (1" TO 3")	263,247	SQ YD
14	301 BITUMINOUS AGGREGATE BASE (3")	302	TON
15	301 BITUMINOUS AGGREGATE BASE (3")	407	TON
16	304 AGGREGATE BASE (6")	637	CU YD
17	402 ASPHALT CONCRETE (1 1/2")	151	TON
18	404 ASPHALT CONCRETE (0"- 3/4") PRELEVEL	10,971	TON
19	407 TACK COAT, RUBBER	181	GALLON
20	408 BITUMINOUS PRIME COAT	14,549	SQ YD
21	409 SEAL COAT BITUMINOUS MATERIAL	4,366	GALLON
22	409 SEAL COAT COVER AGGREGATE	148	TON
23	411 STABILIZED CRUSHED AGGREGATE	801	CU YD
24	416 ASPHALT CONCRETE, CONTRACTOR MIX DESIGN, SURFACE, TYPE II, AS PER PLAN 1-1/2"	7,502	TON
25	416 ASPHALT CONCRETE, CONTRACTOR MIX DESIGN, SURFACE, TYPE III, AS PER PLAN 1-1/2"	14,438	TON
26	604 MANHOLE ADJUSTED TO GRADE (W/ ADJUSTMENT RING)	11	EACH
27	604 MANHOLE ADJUSTED TO GRADE (W/O ADJUSTMENT RING)	13	EACH
28	604 MONUMENT BOX ADJUSTED TO GRADE	4	EACH
29	605 4" PIPE UNDERDRAIN	4,425	LIN FT
30	608 CONCRETE WALK	48	SQ FT
31	609 COMBINATION CURB AND GUTTER, STANDARD	4,355	LIN FT
32	609 CONCRETE CURB - STRAIGHT 18"	20	LIN FT
33	614 MAINTAINING TRAFFIC, GENDER ROAD RESURFACING, AS PER PLAN	1	LUMP SUM
34	614 MAINTAINING TRAFFIC, LIVINGSTON AV CURB REPLACMENT, AS PER PLAN	1	LUMP SUM

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**ESTIMATE OF QUANTITIES**

<b>REF. NO.</b>	<b>ITEM DESCRIPTION</b>	<b>QUANTITY</b>	<b>UNITS</b>
35	618 PIPE ROOF DRAINS	150	LIN FT
36	621 RAISED PAVEMENT MARKERS FURNISHED AND INSTALLED	4,151	EACH
37	625 CONDUIT, 1", 713.04	100	LIN FT
38	625 CONDUIT, 2", 713.04	100	LIN FT
39	625 GROUND ROD	10	EACH
40	625 PULLBOX, 11" x 18" x 18" D	10	EACH
41	625 TRENCH	50	LIN FT
42	632 DETECTOR LOOP, AS PER PLAN	76	EACH
43	632 LOOP DETECTOR LEAD-IN CABLE	50	LIN FT
44	653 TOPSOIL FURNISHED AND PLACED	188	CU YD
45	659 SEEDING AND MULCHING	1,125	SQ YD
46	801 6" DUCTILE IRON WATER PIPE AND FITTINGS	30	LIN FT
47	802 6" VALVE AND APPURTENANCES	3	EACH
48	802 6" VALVE RELOCATED	3	EACH
49	807 HEAVY DUTY VALVE BOX	10	EACH
50	807 WATER VALVE ADJUSTED TO GRADE, BURIED	10	EACH
51	807 WATER VALVE BOXES ADJUSTED TO GRADE (W/O ADJUSTMENT RING)	26	EACH
52	809 FIRE HYDRANT, RELOCATED	3	EACH
53	SPECIAL ASPHALT CONCRETE PATCHING	100	TON
54	SPECIAL BITUMINOUS ASPHALT HEATWELD REPAIR, PUDDLE PATCH	1,000	SQ FT
55	SPECIAL BRICK PREP	13,361	SQ YD
56	SPECIAL FLAGGER	600	HOUR
57	SPECIAL LASH, UNLASH OF LEAD-IN CABLE	200	LIN FT
58	SPECIAL LAW ENFORCEMENT OFFICER	500	HOUR
59	SPECIAL MINIMUM HEATWELD CHARGE, PUDDLE PATCH	20	EACH
60	SPECIAL PRELEVELING	263,247	SQ YD
61	SPECIAL PUDDLE PATCH	50	TON
62	SPECIAL SAWCUTTING, FULL DEPTH	2,066	LIN FT
63	SPECIAL SPOT PLANING, 2 INCHES OR LESS	500	SQ YD
64	SPECIAL STRESS ABSORBING MEMBRANE INTERLAYER, TYPE I	263,247	SQ YD
65	SPECIAL TOWING PARKED CARS	20	EACH

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**RESURFACING 2010 PROJECT 4, 1661 DR. A**  
**LOOP DETECTOR LOCATIONS, DESCRIPTIONS, AND ESTIMATE OF QUANTITIES**

ID	STREET	INTERSECTING	DIRECTION	SIGNALIZED	ZONE	DETECTOR LOOP	PULLBOX	LEAD-IN CABLE
6800	HAMILTON RD	MORSE RD (NFC)	S	<input checked="" type="checkbox"/>	1	15	0	0
4657	SECOND AV	CLEVELAND AV	N+S	<input checked="" type="checkbox"/>	2	4	0	0
5550	HAMILTON RD	DUBLIN-GRANVILLE RD (NFC)	S	<input checked="" type="checkbox"/>	1	3	0	0
6649	GENDER RD	BRICE RD	E	<input checked="" type="checkbox"/>	4	6	0	0
6649	GENDER RD	CENTENNIAL DR	E	<input checked="" type="checkbox"/>	4	5	0	0
6649	GENDER RD	REFUGEE RD	E+W	<input checked="" type="checkbox"/>	4	4	0	0
6649	GENDER RD	UPPERRIDGE DR	E	<input checked="" type="checkbox"/>	4	3	0	0
6649	GENDER RD	WINCHESTER PIKE	E+W	<input checked="" type="checkbox"/>	4	5	0	0
6800	HAMILTON RD	BROADVIEW RD/CHESTNUT HILL DR	W	<input checked="" type="checkbox"/>	1	5	0	0
4657	SECOND AV	4TH ST (EFC)	W	<input checked="" type="checkbox"/>	2	0	0	0
6800	HAMILTON RD	DUBLIN-GRANVILLE RD (SEP)	N	<input checked="" type="checkbox"/>	1	2	0	0
7651	CLEVELAND AV	WEBER RD	E+W	<input checked="" type="checkbox"/>	1	2	0	0
7646	LIVINGSTON AV	BARNETT RD	N+S	<input checked="" type="checkbox"/>	4	3	0	0
7646	LIVINGSTON AV	JAMES RD	N+S	<input checked="" type="checkbox"/>	4	6	0	0
7646	LIVINGSTON AV	KENWICK RD	N+S	<input checked="" type="checkbox"/>	4	2	0	0
7646	LIVINGSTON AV	KINGSBURY PL	N	<input checked="" type="checkbox"/>	4	0	0	0
7646	LIVINGSTON AV	RAND AV	N	<input checked="" type="checkbox"/>	4	1	0	0
7646	LIVINGSTON AV	ROOSEVELT AV	N+S	<input checked="" type="checkbox"/>	4	2	0	0

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**LOOP DETECTOR LOCATIONS, DESCRIPTIONS, AND ESTIMATE OF QUANTITIES**

ID	STREET	INTERSECTING	DIRECTION	SIGNALIZED	ZONE	DETECTOR LOOP	PULLBOX	LEAD-IN CABLE
7646	LIVINGSTON AV	ZETTLER RD	S	<input checked="" type="checkbox"/>	4	2	0	0
7651	CLEVELAND AV	ABERDEEN AV	E+W	<input checked="" type="checkbox"/>	1	2	0	0
7651	CLEVELAND AV	GENESSEE AV (NFC)	S	<input checked="" type="checkbox"/>	1	0	0	0
6800	HAMILTON RD	CHILMARK	W	<input checked="" type="checkbox"/>	1	4	0	0
<b>STREET COUNT: 22</b>						<b>76</b>	<b>0</b>	<b>0</b>