# APPENDIX A COST ESTIMATES

Dover High School Pedestrian Study			
Cost Summary Concept Design - July 2013			
\$129,000			
\$276,000			
\$370,000			
	\$775,000		
\$953,500			
, ,	\$2,185,500		
\$258,000			
\$111,000			
·	\$369,000		
\$611.500			
,,	\$1,379,500		
	\$4,709,000		
	### Cost Summary  ### ESTIMAT  ### \$129,000  ### \$276,000  ### \$370,000  ### \$953,500  ### \$1,232,000  ### \$258,000		

### **Dover High School Pedestrian Study** Route 8 (New Dover High School to Mifflin Road) **Concept Design - July 2013** 5' S/W ADJACENT TO CURB **ITEM** Phase 1 Phase 2 Phase 1A Phase 1B **CONSTRUCTION COST** TOTAL BASE CONSTRUCTION COST \$95,000 \$190,000 \$232,000 **TOTAL BASE CONSTRUCTION COST** \$95,000 \$190,000 \$232,000 **DELDOT STANDARD CONSTRUCTION** CONTINGENCY \$10,000 \$19,000 \$24,000 (10% OF TOTAL CONSTRUCTION COST) **DELDOT CONSTRUCTION ENGINEERING/INSPECTION** \$10,000 \$19,000 \$24,000 (10% OF TOTAL CONSTRUCTION COST) TOTAL CONSTRUCTION COST \$115,000 \$228,000 \$280,000 **ESTIMATED UTILITY RELOCATIONS** \$10,000 \$30,000 \$18,000 **ESTIMATED RIGHT OF WAY** \$4,000 \$22,000 \$18,000 **TOTAL PROJECT COST** \$129,000 \$276,000 \$320,000 **DelDOT Design In-House ESTIMATED DESIGN COST** \$50,000 \$405,000 **SUMMARIZED PROJECT COST** \$370,000 \$775,000 **TOTAL COMBINED PROJECT COST**

### Phase 1 - North Side of SR 8

Phase 1A - Marsh Creek Lane to Heatherfield Way -- Install approximately 625' of sidewalk behind existing curb avoiding conflicts with utility poles and mailboxes.

Phase 1B - Stoney Drive to Cranberry Run Drive -- Install approximately 900' of sidewalk with curb and gutter. Install headwall and possibly retaining wall along steep slope.

### Phase 2 - South Side of SR 8

Phase 2 - Mifflin Road to New Dover High School East Entrance -- Install approximately 1500' of sidewalk behind existing curb, relocate existing lighting and adjust drainage inlet along properties. Avoid conflicts with utility poles and mailboxes. Install pedestrian crossing across Mifflin Road.

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	0
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	0
CEMENT CONCRETE CURB, TYPE 1-6	LF	\$22.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	LF ·-	\$18.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	0
NING, 4'	EACH	\$2,500.00	2
WALK, 4"	SF	\$5.00	2,83
WALK, 6" SURFACE DETECTABLE WARNING SYSTEM	SF SF	\$7.50 \$30.00	598
P, TYPE 1	SF	\$20.00	10 0
P, TYPE 5	SF	\$20.00	0
INLET, 34" X 24"	EACH	\$3,500.00	0
BOX, 48" X 30"	EACH	\$1,700.00	0
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	0
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	1
1	TON	\$65.00	1
ES, RIPRAP	SY	\$6.00	3
DEPTH	SY	\$7.50	351
T GRASS SEEDING, DRY GROUND	SY	\$1.50	351
PROPERTY OWNER PLANTER BOXES)	LS	\$2,000.00	1
ICE OF TRAFFIC	LS	\$20,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	1,38
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	1,65
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	6
ITER VALVE BOXES	EACH	\$325.00	5
OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	10
NG, HOT MIX	<u>LF</u>	\$2.00	140
NG, CONCRETE, FULL DEPTH	LF	\$5.00	10
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	0
alis	L.S.	\$15,000.00	0
Sediment Controls	L.S.	\$2,000.00	1
Octament Controls	L.O.	Ψ2,000.00	
SUBTOTAL			
se (5%)	L.S.	\$4,072.95	1
Engineering (5%)	L.S.	\$4,072.95	1
Contingency (5%)			
TOTAL BASE CONSTRUCTION COST			
elocations	EACH	\$10,000.00	1
elocations	EACH	\$3,000.00	0
Relocations	EACH	\$2,500.00	0
TOTAL UTILITY RELOCATION COST			
r-Fee	S.F.	\$8.00	0
r- PE	S.F.	\$8.00	25
r-TCE	S.F.	\$2.00	1,53
TOTAL RIGHT OF WAY COST			

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	62
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	0
CEMENT CONCRETE CURB, TYPE 1-8	LF	\$22.00	250
CEMENT CONCRETE CURB, TYPE 1-6	LF	\$22.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	<u>LF</u>	\$18.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	814
NING, 4'	EACH	\$2,500.00	2
WALK, 4"	SF	\$5.00	4,56
WALK, 6" SURFACE DETECTABLE WARNING SYSTEM	SF SF	\$7.50	120 40
P, TYPE 1	SF	\$30.00 \$20.00	0
P, TYPE 1	SF	\$20.00	0
INLET, 34" X 24"	EACH	\$3,500.00	0
BOX, 48" X 30"	EACH	\$1,700.00	0
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	0
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	1
1	TON	\$65.00	4
ES, RIPRAP	SY	\$6.00	15
' DEPTH	SY	\$7.50	528
T GRASS SEEDING, DRY GROUND	SY	\$1.50	528
PROPERTY OWNER PLANTER BOXES)	LS	\$5,000.00	1
ICE OF TRAFFIC	LS	\$25,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	636
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	1,25
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	4
ITER VALVE BOXES	EACH	\$325.00	5
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	53
NG, HOT MIX	LF	\$2.00	20
NG, CONCRETE, FULL DEPTH	LF	\$5.00	25
		ldot	
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	600
h Railing	L.S.	\$15,000.00	1
Sediment Controls	L.S.	\$4,000.00	1
CURTOTAL		<del>                                     </del>	
SUBTOTAL		+	
se (5%)	L.S.	\$8,181.85	1
Engineering (5%)	L.S.	\$8,181.85	1
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Contingency (5%)			
Containgency (677)			
TOTAL BASE CONSTRUCTION COST			
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elocations	EACH	\$10,000.00	3
elocations	EACH	\$3,000.00	0
Relocations	EACH	\$2,500.00	0
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TOTAL UTILITY RELOCATION COST			
TOTAL STILLT RELEGIATION SOCI			
r - Fee	S.F.	\$8.00	0
r - PE	S.F. S.F.	\$8.00	
r-TCE	S.F.	\$2.00	1,45 2,72
TOL	<b>З.</b> Г.	\$2.00	2,12
TOTAL RIGHT OF WAY COST			
TOTAL RIGHT OF WAT COST			

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	TON	\$85.00	6
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	100
CEMENT CONCRETE CURB, TYPE 2	LF	\$22.00	75
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	LF	\$18.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	0
ING, 4'	EACH	\$2,500.00	2
WALK, 4"	SF_	\$5.00	6,06
WALK, 6"	SF	\$7.50	2,02
SURFACE DETECTABLE WARNING SYSTEM P, TYPE 1	SF SF	\$30.00	30 0
P, TYPE 1	SF	\$20.00 \$20.00	0
NLET, 34" X 24"	EACH	\$3,500.00	3
BOX, 48" X 30"	EACH	\$1,700.00	3
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	4
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	5
I THE THE STATE OF WITH THE WATER OF THE	TON	\$65.00	1
ES, RIPRAP	SY	\$6.00	3
DEPTH	SY	\$7.50	639
T GRASS SEEDING, DRY GROUND	SY	\$1.50	639
PROPERTY OWNER PLANTERS)	LS	\$10,000.00	1
ICE OF TRAFFIC	LS	\$40,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	277
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	3,15
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	6
ITER VALVE BOXES	EACH	\$325.00	4
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	0
NG, HOT MIX	LF	\$2.00	275
NG, CONCRETE, FULL DEPTH	LF	\$5.00	0
		фоо оо	0
isting Fence	LF SF	\$20.00	0
alls Sediment Controls	L.S.	\$32.00 \$4,000.00	0
raffic Signal	L.S.	\$25,000.00	1
iamo digital	L.O.	Ψ23,000.00	
SUBTOTAL			
se (5%)	L.S.	\$10,041.25	1
Engineering (5%)	L.S.	\$10,041.25	1
Contingency (5%)			
TOTAL BASE CONSTRUCTION COST			
elocations	EACH	\$10,000.00	0
elocations	EACH	\$3,000.00	6
Relocations	EACH	\$2,500.00	0
TOTAL UTILITY RELOCATION COST			
- Fee	S.F.	\$8.00	0
- PE	S.F.	\$8.00	1,33
- TCE	S.F.	\$2.00	5,29
TOTAL RIGHT OF WAY COST			

Dover High School Pedestrian Study			
Mifflin Road (Hazlettville Road to Route 8)			
Concept Design - July 2013			
ITEM	5' S/W ADJACENT TO CURB		
	Phase 1	Phase 2	
CONSTRUCTION COST			
TOTAL BASE CONSTRUCTION COST	\$633,000	\$845,000	
TOTAL BASE CONSTRUCTION COST	\$633,000	\$845,000	
DELDOT STANDARD CONSTRUCTION CONTINGENCY (10% OF TOTAL CONSTRUCTION COST)	\$64,000	\$85,000	
DELDOT CONSTRUCTION ENGINEERING/INSPECTION (10% OF TOTAL CONSTRUCTION COST)	\$64,000	\$85,000	
TOTAL CONSTRUCTION COST	\$761,000	\$1,015,000	
ESTIMATED UTILITY RELOCATIONS	\$62,500	\$40,000	
ESTIMATED DESIGN COST (15%)	\$115,000	\$153,000	
ESTIMATED RIGHT OF WAY	\$15,000	\$24,000	
TOTAL PROJECT COST	\$953,500	\$1,232,000	
TOTAL COMBINED PROJECT COST	\$2,18	35,500	

### Phase 1 - East Side of Mifflin Road

Phase 1 - Forrest Ave. to Hazlettville Rd. -- Install approximately 2900' of sidewalk with curb and gutter. Adjust drainage inlets and install curb openings. Avoid conflicts with utilities and mailboxes.

## Phase 2 - West Side of Mifflin Road

Phase 2 - Forrest Ave. to Hazlettville Rd. -- Install approximately 3100' of sidewalk with curb and gutter. Install drainage inlets and pipe. Avoid conflicts with mailboxes.

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TON	\$78.00	0
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L.S.	\$24,991.65	1
L.S.	\$24,991.65	3
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L.S.	\$24,991.65	
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EACH EACH	\$24,991.65 \$10,000.00 \$3,000.00	3 10
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		TON \$78.00  LF \$85.00  LF \$22.00  LF \$18.00  LF \$18.00  EACH \$2,500.00  SF \$5.00  SF \$7.50  SF \$20.00  SF \$20.00  EACH \$3,500.00  EACH \$2,000.00  EACH \$2,000.00  EACH \$2,000.00  EACH \$2,000.00  EACH \$2,000.00  EACH \$2,000.00  EACH \$70.00  LS \$75,000.00  LS \$75,000.00  LS \$75,000.00  SF \$10.00  LF \$1.00  EACH \$325.00  SY \$18.00  LF \$2.00  LF \$2.00  LF \$5.00  LF \$2.00  LF \$5.00  LF \$5.00  LF \$5.00  LF \$5.00

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	TON	\$85.00	216
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	3,09
CEMENT CONCRETE CURB, TYPE 1-6	LF	\$22.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	<u>LF</u>	\$18.00	2,83
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	0
ING, 4'	EACH	\$2,500.00	2
WALK, 4"	SF_	\$5.00	13,07
WALK, 6"	SF	\$7.50	2,34
SURFACE DETECTABLE WARNING SYSTEM	SF SF	\$30.00	20
P, TYPE 1	SF SF	\$20.00	0
P, TYPE 5		\$20.00	0
NLET, 34" X 24" AND REPAIRING EXISTING DRAINAGE INLET	EACH EACH	\$3,500.00 \$2,000.00	10 2
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$2,000.00	5
DEPTH	SY	\$7.50	1,71
T GRASS SEEDING, DRY GROUND	SY	\$1.50	1,71
PROPERTY OWNER PLANTERS)	LS	\$10,000.00	1,71
ICE OF TRAFFIC	LS	\$75,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	120
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	3,15
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	10
TER VALVE BOXES	EACH	\$325.00	6
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	3
NG, HOT MIX	LF	\$2.00	3,33
NG, CONCRETE, FULL DEPTH	LF	\$5.00	10
NO, CONCRETE, I GEE DEI III		Ψο.σσ	<u>.</u>
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	0
Sediment Controls	LS	\$10,000.00	1
SUBTOTAL			
e (5%)	L.S.	\$33,380.95	1
Engineering (5%)	L.S.	\$33,380.95	1
Contingency (15%)		1	
TOTAL BASE CONSTRUCTION COST			
elocations	EACH	\$20,000.00	2
elocations	EACH	\$3,000.00	0
Relocations	EACH	\$2,500.00	0
		<u> </u>	
TOTAL UTILITY RELOCATION COST			
- FEE	S.F.	\$8.00	0
- PE	S.F.	\$8.00	1,07
- TCE	S.F.	\$2.00	7,70
TOTAL RIGHT OF WAY COST			
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Dover High Scho	ool Pedestrian Study	
Mifflin Road (Woodmill Drive and Fawn Street)		
Concept Design - July 2013		
ITEM	5' S/W ADJACENT TO CURB	
	Phase 1	
CONSTRUCTION COST		
TOTAL BASE CONSTRUCTION COST	\$120,000	
	A100 000	
TOTAL BASE CONSTRUCTION COST	\$120,000	
DELDOT STANDARD CONSTRUCTION CONTINGENCY (10% OF TOTAL CONSTRUCTION COST)	\$12,000	
DELDOT CONSTRUCTION ENGINEERING/INSPECTION (10% OF TOTAL CONSTRUCTION COST)	\$12,000	
TOTAL CONSTRUCTION COST	\$144,000	
ESTIMATED UTILITY RELOCATIONS	\$8,500	
ESTIMATED DESIGN COST	\$44,000	
ESTIMATED RIGHT OF WAY	\$3,000	
TOTAL PROJECT COST	\$199,500	
TOTAL COMBINED PROJECT COST	\$199,500	

# East Side of Mifflin Road between Woodmill Drive and Fawn Street

Install approximately 600' of sidewalk with curb and gutter. Adjust drainage inlets and install curb openings. Avoid conflicts with utilities and mailboxes. Add mid block crosswalk.

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	46
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	16
CEMENT CONCRETE CURB, TYPE 1-6	<u>LF</u>	\$22.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	<u>LF</u>	\$18.00	603
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF EACH	\$18.00	0
NNG, 4'	EACH	\$2,500.00	2 70
WALK, 4" WALK, 6"	SF SF	\$5.00 \$7.50	2,79 449
SURFACE DETECTABLE WARNING SYSTEM	SF SF	\$7.50	449
P. TYPE 1	SF	\$20.00	0
P, TYPE 5	SF	\$20.00	0
INLET, 34" X 24"	EACH	\$3,500.00	1
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	2
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	
DEPTH	SY	\$7.50	536
T GRASS SEEDING, DRY GROUND	SY	\$1.50	536
PROPERTY OWNER PLANTER BOXES)	LS	\$5,000.00	0
ICE OF TRAFFIC	LS	\$15,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	489
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	100
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	10
TER VALVE BOXES	EACH	\$325.00	3
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	39
NG, HOT MIX	LF	\$2.00	627
NG, CONCRETE, FULL DEPTH	LF	\$5.00	74
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	0
Sediment Controls	LS	\$3,000.00	1
SUBTOTAL		ļ ,	
SIMIL OF THE STATE		1	
SUBTOTAL			
		<b>*4 704 00</b>	1
se (5%)	L.S.	\$4,721.28	1
	L.S. L.S.	\$4,721.28 \$4,721.28	1
se (5%) Engineering (5%)			
se (5%)			
se (5%) Engineering (5%)  Contingency (15%)			
se (5%) Engineering (5%)			
se (5%) Engineering (5%)  Contingency (15%)			
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST	L.S.	\$4,721.28	1
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations	L.S.	\$4,721.28	0
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations	EACH EACH	\$4,721.28 \$10,000.00 \$3,000.00	0 2
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations	L.S.	\$4,721.28	0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations	EACH EACH	\$4,721.28 \$10,000.00 \$3,000.00	0 2
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations	EACH EACH	\$4,721.28 \$10,000.00 \$3,000.00	0 2
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00	0 2 1
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00	0 2 1
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relocations  TOTAL UTILITY RELOCATION COST  - FEE - PE - TCE	EACH EACH EACH S.F. S.F.	\$4,721.28 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 2 1

Dover High Scho	ool Pedestrian Study	/	
Hazlettville Road (Ca	nnon Mill to Mifflin F	Road)	
Concept De	sign - July 2013		
ITEM	5' S/W ADJACENT TO CURB		
	Phase 1	Phase 2	
CONSTRUCTION COST			
TOTAL BASE CONSTRUCTION COST	\$171,000.00	\$76,000.00	
TOTAL BASE CONSTRUCTION COST	\$171,000.00	\$76,000.00	
DELDOT STANDARD CONSTRUCTION CONTINGENCY (10% OF TOTAL CONSTRUCTION COST)	\$18,000	\$8,000	
DELDOT CONSTRUCTION ENGINEERING/INSPECTION (10% OF TOTAL CONSTRUCTION COST)	\$18,000	\$8,000	
TOTAL CONSTRUCTION COST	\$207,000	\$92,000	
TOTAL CONSTRUCTION COST	Ψ201,000	φ92,000	
ESTIMATED UTILITY RELOCATIONS	\$0	\$0	
ESTIMATED DESIGN COST (20%)	\$42,000	\$19,000	
ESTIMATED RIGHT OF WAY	\$9,000	<b>\$</b> 0	
201111111111111111111111111111111111111	ψ0,000	,	
TOTAL PROJECT COST	\$258,000	\$111,000	
TOTAL COMBINED PROJECT COST	\$369	9,000	
		,	

# Phase 1 - North Side of Hazlettville Road

Phase 1 - Install approximately 500' of sidewalk behind a proposed curb. Add inlets and drainage to tie into existing system.

# Phase 2 - South Side of Hazlettville Road

Phase 2 - Install approximately 700' of sidewalk offset from the roadway on top of existing berm. Berm is in an existing permanent easement.

<sup>\*\* -</sup> This work to be funded/constructed by Nottingham Meadows developer, as directed by the City of Dover.

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	38
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	600
CEMENT CONCRETE CURB, TYPE 1-6	<u>LF</u>	\$22.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	<u>LF</u>	\$18.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	492
NNG, 4'	EACH	\$2,500.00	1.05
WALK, 4"	SF SF	\$5.00 \$7.50	1,95
WALK, 6" SURFACE DETECTABLE WARNING SYSTEM	SF SF	\$7.50 \$30.00	400 40
SURFACE DETECTABLE WARNING SYSTEM P. TYPE 1	SF SF	\$30.00 \$20.00	40 0
P, TYPE 1	SF SF	\$20.00	0
INLET, 34" X 24"	EACH	\$3,500.00	2
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	1
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	0
DEPTH	SY	\$7.50	283
T GRASS SEEDING, DRY GROUND	SY	\$1.50	283
1 Olvido delebrito, biti ditadita	LS	\$2,000.00	0
ICE OF TRAFFIC	LS	\$25,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	294
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	550
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	2
TER VALVE BOXES	EACH	\$325.00	0
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	6
NG, HOT MIX	LF	\$2.00	572
NG, CONCRETE, FULL DEPTH	LF	\$5.00	10
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	0
Sediment Controls	LS	\$2,000.00	1
		T .	
SUBTOTAL			
			1
se (5%)	L.S.	\$6,722.10	1
	L.S. L.S.	\$6,722.10 \$6,722.10	1 1
se (5%) Engineering (5%)		-	
se (5%)		-	
se (5%) Engineering (5%)  Contingency (15%)		-	
se (5%) Engineering (5%)		-	
se (5%) Engineering (5%)  Contingency (15%)		-	
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST	L.S.	\$6,722.10	1
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations	L.S.	\$6,722.10	0
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations	EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00	0 0
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations	L.S.	\$6,722.10	0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaccations	EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00	0 0
Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations	EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00	0 0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaccations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00	0 0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST	EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00	0 0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaccations  TOTAL UTILITY RELOCATION COST  - Fee - PE	EACH EACH EACH	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00	0 0 0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST	EACH EACH EACH S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00	0 0 0
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaccations  TOTAL UTILITY RELOCATION COST  - Fee - PE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaccations  TOTAL UTILITY RELOCATION COST  - Fee - PE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740
Se (5%) Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations elocations Relaocations  TOTAL UTILITY RELOCATION COST  - Fee - PE - TCE	EACH EACH EACH S.F. S.F.	\$6,722.10 \$10,000.00 \$3,000.00 \$2,500.00 \$8.00 \$8.00	0 0 0 740

RPAVE, TYPE B, 160 GYRATIONS, PG 64-22, PATCHING	TON	\$85.00	0
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	0
CEMENT CONCRETE CURB, TYPE 1-6	LF	\$22.00	0
PORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	LF	\$18.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	0
ING, 4'	EACH	\$2,500.00	0
WALK, 4"	SF	\$5.00	3,46
WALK, 6"	SF	\$7.50	85
SURFACE DETECTABLE WARNING SYSTEM	SF SE	\$30.00	0
P, TYPE 1	SF SE	\$20.00	0
P, TYPE 5	SF	\$20.00	0
NLET, 34" X 24" AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$3,500.00	0
D REPAIR EXISTING DRAINAGE INLET	EACH EACH	\$2,000.00	0
DEPTH	EACH SY	\$900.00 \$7.50	792
T GRASS SEEDING, DRY GROUND	SY	\$7.50 \$1.50	792 792
PROPERTY OWNER PLANTERS)	LS	\$1.50	1
ICE OF TRAFFIC	LS	\$2,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$20,000.00	0
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$10.00	0
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	2
TER VALVE BOXES	EACH	\$325.00	0
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$325.00	6
NG, HOT MIX	LF	\$18.00	20
NG, CONCRETE, FULL DEPTH	LF LF	\$6.00	10
NG, CONORETE, I OLL DEFITT	Li	ΨΟ.ΟΟ	· · ·
isting Fence	LF	\$20.00	0
alls	SF	\$32.00	0
Sediment Controls	LS	\$2,000.00	1
South Controls		,	
SUBTOTAL		<u></u>	
se (5%)	L.S.	\$2,982.53	1
Engineering (5%)	L.S.	\$2,982.53	1
Contingency (15%)			
TOTAL BASE CONSTRUCTION COST			
Ī į		+ + + + + + + + + + + + + + + + + + + +	
elocations	EACH	\$10,000.00	0
elocations	EACH	\$3,000.00	0
Relaocations	EACH	\$2,500.00	0
TOTAL UTILITY RELOCATION COST			
- Fee	S.F.	\$8.00	0
- PE	S.F.	\$8.00	0
- TCE	S.F.	\$2.00	0
- TOL	<b>U.I.</b>	<b>V</b>	
TOTAL RIGHT OF WAY COST			
TOTAL MOIT OF MAT OCCI			
<u> </u>			
<b>Y</b>			



Dover High School Pedestrian Study				
st Ave. to Walker Ro	oad)			
sign - July 2013				
5' S/W ADJAC	ENT TO CURB			
Phase 1	Phase 2			
\$379,000	\$519,000			
\$379,000	\$519,000			
\$38,000	\$52,000			
\$38,000	\$52,000			
\$455,000	\$623,000			
\$45,500	\$9,000			
\$91,000	\$125,000			
\$20,000	\$11,000			
\$611,500	\$768,000			
\$1,37	9,500			
	\$1 Ave. to Walker Rosign - July 2013  5' S/W ADJAC  Phase 1  \$379,000  \$38,000  \$455,000  \$455,500  \$91,000  \$20,000			

### Phase 1 - East Side of Kenton Road

Phase 1 - Forrest Ave to Walker Road -- Install approximately 1450' of sidewalk with curb and gutter. Adjust drainage inlets and install curb openings where existing drainage exists; install closed drainage in other areas. May need retaining wall at north end of project.

# Phase 2 - West Side of Kenton Road

Phase 2 - Forrest Ave to Walker Road -- Install approximately 2000' of sidewalk with curb and gutter. Adjust drainage inlets and install curb openings where existing drainage exists; install closed drainage in other areas. New pedestrian crossing at Walker Rd intersection. Right of way concerns at southern project limits.

CEMENT CONCRETE CURB TYPE 1-6	RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	80
CEMENT CONCRETE CURB. TYPE 1-6			· · · · · · · · · · · · · · · · · · ·	0
VORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8				600
CARTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6				0
SING. 4"   EACH   \$2,500.00	· ·		· · · · · · · · · · · · · · · · · · ·	1,03
WALK, 4"  WALK, 6"  SF \$7.50  SURFACE DETECTABLE WARNING SYSTEM  SF \$7.50  SURFACE DETECTABLE WARNING SYSTEM  SF \$20.00  NET, 34" X 24"  EACH \$3.500.00  NLET, 34" X 24"  EACH \$3.500.00  D REPAIR EXISTING EXISTING DRAINAGE INLET  D REPAIR EXISTING SANITARY MANHOLE  D REPAIR EXISTING SANITARY MANHOLE  TO GRASS SEEDING, DRY GROUND  CC OF TRAFFIC  LS \$50.00  CC OF TRAFFIC  LS \$50.00  T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC  LS \$50.00  T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC  LS \$50.00  T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC  LS \$50.00  T PAVEMENT STRIPING, SPOXY RESIN PAINT, WHITE/YELLOW, 5"  LF \$1.00  F EACH \$325.00  F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.  SY \$18.00  NG, HOT MIX  LF \$2.00  NG, CONCRETE, FULL DEPTH  LF \$2.00  LS \$14,962.90  Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  TOTAL BASE CONSTRUCTION COST  TOTAL UTILITY RELOCATION COST  - Fee \$5.F\$, \$8.00  1 - FEE  - FEE  - FEE  - FEE  - FEE  - S.F. \$8.00  1 - TCE  S.F. \$8.00  1 - FEE  - TCE  S.F. \$8.00  1 - FEE  - TCE  S.F. \$8.00  1 - FEE  - TCE  S.F. \$8.00  3 - SEE  - FEE  - TCE  S.F. \$8.00  1 - TCE  - TCE  SY \$5.00  SF \$3.00			· · · · · · · · · · · · · · · · · · ·	0 6
WALK, 6° SURFACE DETECTABLE WARNING SYSTEM P, TYPE 1 SF \$30.00 P, TYPE 1 SF \$20.00 P, TYPE 1 SF \$20.00 P, TYPE 1 SF \$20.00 NILET, 34° X 24° AND REPAIRING EXISTING DRAINAGE INLET EACH \$35,000.00 AND REPAIRING EXISTING DRAINAGE INLET EACH \$30.00 DREPAIR EXISTING SANITARY MANHOLE EACH \$90.00 DREPAIR EXISTING SANITARY MANHOLE SY \$7.50 TO BREADER EXISTING SANITARY MANHOLE LS \$15,000.00 TOEPTH SY \$7.50 TORASS SEEDING, DRY GROUND LS \$15,000.00 TOEPTH SY \$7.50 TORASS SEEDING, DRY GROUND LS \$15,000.00 TOEPTH SY \$1.00 TO RAMENOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST FAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5° LF \$1.00 TO RO REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST EACH \$70.00 TOEP EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. SY \$18.00 NG, HOT MIX LF \$2.00 TOEP EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. SY \$18.00 SEGMENT CONTROL  TOTAL BASE CONSTRUCTION COST  TOTAL BASE CONSTRUCTION COST  TOTAL BASE CONSTRUCTION COST  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  *-Fee \$5.5. \$8.00 1TCE SF. \$8.00			+	7,10
SURFACE DETECTABLE WARNING SYSTEM				7,10
P. TYPE 1				100
PryPE 5			· · · · · · · · · · · · · · · · · · ·	0
NLET, 34" X 24"	,		· · · · · · · · · · · · · · · · · · ·	0
AND REPAIRING EXISTING DRAINAGE INLET  D REPAIR EXISTING SANITARY MANHOLE  D REPAIR EXISTING SANITARY MANHOLE  D REPAIR EXISTING SANITARY MANHOLE  SY \$7.50  T GRASS SEEDING, DRY GROUND  LS \$15,000,00  ICE OF TRAFFIC  LS \$50,000,00  ICE OF TRAFFIC  ICE OF TRAFFIC  SP \$10.00  ICE OF TRAFFIC  ICE OF TRAFF			· · · · · · · · · · · · · · · · · · ·	4
DREPAIR EXISTING SANITARY MANHOLE	,			4
TOEPTH	D REPAIR EXISTING SANITARY MANHOLE			0
T GRASS SEEDING, DRY GROUND  ICE OF TRAFFIC  ILS \$15,000.00  ICE OF TRAFFIC  ILS \$50,000.00  T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC  T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5°  ILF \$1.00  ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$70.00  TER VALVE BOXES  FEACH \$325.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$70.00  TER VALVE BOXES  FEACH \$325.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$325.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$325.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$325.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  EACH \$320.00  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  ICE OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  ICE OF TRAFFIC SIGN(S)  ICE OF TRAFFIC SIGN(			· · · · · · · · · · · · · · · · · · ·	785
LS				785
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/FELLOW, 5" IFF \$1.00 T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/FELLOW, 5" IFF \$1.00 NO RO REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST EACH \$7.00 TER VALVE BOXES FEXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. SY \$18.00 NG, HOT MIX LF \$2.00 ING, CONCRETE, FULL DEPTH LF \$5.00 Sediment Controls Sediment Controls SUBTOTAL SUBTOTAL  TOTAL BASE CONSTRUCTION COST  TOTAL BASE CONSTRUCTION COST  TOTAL UTILITY RELOCATION COST  - Fee \$.F. \$8.00 TOTAL UTILITY RELOCATION COST - Fee \$.F. \$8.00 T. TOTAL S.F. \$8.00 T. TOTAL UTILITY RELOCATION COST - FEE \$.F. \$8.00 T. TOTAL \$.F. \$.F. \$8.00 T. TOTAL UTILITY RELOCATION COST - FEE \$.F. \$8.00 T. TOTAL \$.F. \$.F. \$.F. \$.F. \$.F. \$.F. \$.F. \$.F			· · · · · · · · · · · · · · · · · · ·	1
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5" ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST EACH \$70.00 TER VALVE BOXES EACH \$325.00 DF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. SY \$18.00 NG, HOT MIX LF \$2.00 1 NG, CONCRETE, FULL DEPTH LF \$2.00 Sediment Controls SUBTOTAL SUBTOTAL  TOTAL BASE CONSTRUCTION COST  FOR ACH TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  T-Fee S.F. \$8.00 1 PE S.F. \$8.00 1 TCE SIZEN SIZE			<del>+</del>	1
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST TER VALVE BOXES FEXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC. SY \$18.00 NG, HOT MIX LF \$2.00 1 NG, CONCRETE, FULL DEPTH LF \$5.00  Sting Fence LF \$20.00 Sediment Controls  SUBTOTAL  SUBTOTAL  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  FACH S10,000,00  FACH S2,500,00  TOTAL UTILITY RELOCATION COST  FEE  S,F. \$8.00  TOTAL UTILITY RELOCATION COST  FEE  S,F. \$8.00  1 SUBTOTAL  SACH S10,000,00  FACH S2,500,00  TOTAL UTILITY RELOCATION COST  FEE  S,F. \$8.00  1 S,F. \$8.00	,		· · · · · · · · · · · · · · · · · · ·	677
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST  TER VALVE BOXES  FEXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.  SY \$18.00  NG, HOT MIX  NG, CONCRETE, FULL DEPTH  LF \$2.00  Isting Fence  LF \$20.00  Sediment Controls  SUBTOTAL  SUBTOTAL  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  FEACH \$325.00  CARRIED SIDEWALK, ETC.  SY \$18.00  1.5  \$20.00  1.5  \$4.00  1.5  1.5  1.5  1.5  1.5  1.5  1.5				2,65
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.         SY         \$18.00           NG, HOT MIX         LF         \$2.00         1           NG, CONCRETE, FULL DEPTH         LF         \$5.00           isting Fence         LF         \$20.00           alls         SF         \$32.00           Sediment Controls         LS         \$6,000.00           Subtrotal         LS         \$14,962.90           Engineering (5%)         L.S.         \$14,962.90           Contingency (15%)         Contingency (15%)           TOTAL BASE CONSTRUCTION COST           elocations         EACH         \$10,000.00           plocations         EACH         \$3,000.00           Relaccations         EACH         \$2,500.00           TOTAL UTILITY RELOCATION COST           TOTAL UTILITY RELOCATION COST           *- Fee         S.F.         \$8.00         1           FE         S.F.         \$2.00         3           - TOTAL UTILITY RELOCATION COST         S.F.         \$2.00         3				15
NG, HOT MIX NG, CONCRETE, FULL DEPTH  LF \$2.00 LF \$5.00  isting Fence LF \$20.00 alls SEdiment Controls  SUBTOTAL Se (5%) Engineering (5%)  TOTAL BASE CONSTRUCTION COST  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  Fee  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  Fee  S.F. \$8.00  - PE  S.F. \$8.00  1. S. \$1.000.00  - S.F. \$8.00  - PE  S.F. \$8.00  3. S.F. \$8.00  - T.T.C.E  S.F. \$8.00  3. S.F. \$8.00  - S.F. \$8.00  - S.F. \$8.00  - S.F. \$8.00  - T.T.C.E  S.F. \$8.00  - T.T.C.E  S.F. \$8.00  - S.F.			· · · · · · · · · · · · · · · · · · ·	6
NG, CONCRETE, FULL DEPTH  LF \$5.00  isting Fence  ILF \$20.00  alls  SF \$32.00  Sediment Controls  LS \$6,000.00  SUBTOTAL  Subtotal  Engineering (5%)  L.S. \$14,962.90  Engineering (5%)  Contingency (15%)  TOTAL BASE CONSTRUCTION COST  Blocations  EACH \$10,000.00  Blocations  EACH \$3,000.00  Relaccations  EACH \$2,500.00  TOTAL UTILITY RELOCATION COST  TOTAL UTILITY RELOCATION COST  - Fee S.F. \$8.00  - PE S.F. \$8.00  1 TOTAL S.F. \$8.00  1 TOTAL UTILITY RELOCATION COST				17
isting Fence	·			1,03
SF   \$32.00	NG, CONCRETE, FULL DEPTH	LF	\$5.00	30
SF   \$32.00			122.00	
Sediment Controls			·	0
SUBTOTAL				300
Contingency (15%)   L.S. \$14,962.90	Sediment Controls	LS	\$6,000.00	1
Engineering (5%)   L.S.   \$14,962.90	SURTOTAL		++	
Contingency (15%)   L.S. \$14,962.90	SUBICIAL		+ +	
Contingency (15%)   L.S. \$14,962.90	- (FO()	1 9	¢1/ 062 90	1
Contingency (15%)  TOTAL BASE CONSTRUCTION COST  elocations EACH \$10,000.00 elocations EACH \$3,000.00 Relaccations EACH \$2,500.00  TOTAL UTILITY RELOCATION COST  - Fee S.F. \$8.00 - PE S.F. \$8.00 1 - TCE S.F. \$2.00 3	\		<del>+</del>	1
TOTAL BASE CONSTRUCTION COST	Engineering (5%)	L.U.	Φ14,502.55	
TOTAL BASE CONSTRUCTION COST	Contingency (15%)		+ +	
EACH   \$10,000.00			† †	
EACH   \$10,000.00	TOTAL BASE CONSTRUCTION COST			
EACH   \$3,000.00     Relaccations				
EACH   \$3,000.00     Relaccations	<del> </del>		+	
EACH   \$3,000.00     Relaccations	elocations	FACH	\$10,000.00	4
TOTAL UTILITY RELOCATION COST				1
TOTAL UTILITY RELOCATION COST  Y - Fee  S.F. \$8.00 Y - PE  Y - TCE  S.F. \$2.00 3				1
Y - Fee S.F. \$8.00 Y - PE S.F. \$8.00 1 Y - TCE S.F. \$2.00 3	Troidosanorio			
Y - Fee S.F. \$8.00 Y - PE S.F. \$8.00 1 Y - TCE S.F. \$2.00 3	TOTAL UTILITY RELOCATION COST			
Y - PE S.F. \$8.00 1 Y - TCE S.F. \$2.00 3				
Y - PE S.F. \$8.00 1 Y - TCE S.F. \$2.00 3	Eco.	S F	\$8.00	0
Y-TCE S.F. \$2.00 3				1,53
				3,60
TOTAL RIGHT OF WAY COST	7-10E	U.I .	Ψ2.55	0,00
TOTAL NIGHT OF WAT COST	TOTAL RIGHT OF WAY COST			
	TOTAL MOIT OF MAT COOL			

RPAVE, TYPE C, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$100.00	53
RPAVE, TYPE B, 160 GYRATIONS, PG 64-22,PATCHING	TON	\$85.00	156
RPAVE, TYPE C, 160 GYRATIONS, PG 64-22 (NON-CARBONATE STONE)	TON	\$78.00	0
D CONCRETE PIPE, 15", CLASS IV	LF	\$85.00	550
CEMENT CONCRETE CURB, TYPE 1-6	LF	\$22.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-8	LF	\$18.00	0
ORTLAND CEMENT CONCRETE CURB AND GUTTER, TYPE 3-6	LF	\$18.00	2,04
IING, 4'	EACH	\$2,500.00	10
WALK, 4"	SF	\$5.00	9,87
WALK, 6"	SF	\$7.50	95
SURFACE DETECTABLE WARNING SYSTEM	SF	\$30.00	50
P, TYPE 1	SF	\$20.00	0
P, TYPE 5	SF	\$20.00	0
NLET, 34" X 24"	EACH	\$3,500.00	8
3OX, 48" X 30"	EACH	\$1,700.00	1
AND REPAIRING EXISTING DRAINAGE INLET	EACH	\$2,000.00	6
D REPAIR EXISTING SANITARY MANHOLE	EACH	\$900.00	0
DEPTH	SY	\$7.50	1,13
T GRASS SEEDING, DRY GROUND	SY	\$1.50	1,13
	LS	\$1,000.00	1
ICE OF TRAFFIC	LS	\$60,000.00	1
T PAVEMENT STRIPING, SYMBOL/LEGEND ALKYD-THERMOPLASTIC	SF	\$10.00	415
T PAVEMENT STRIPING, EPOXY RESIN PAINT, WHITE/YELLOW, 5"	LF	\$1.00	2,65
ON OR REMOVAL OF TRAFFIC SIGN(S) ON SINGLE SIGN POST	EACH	\$70.00	16
TER VALVE BOXES	EACH	\$325.00	0
F EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, CURB, SIDEWALK, ETC.	SY	\$18.00	9
NG, HOT MIX	LF	\$2.00	2,06
NG, CONCRETE, FULL DEPTH	LF	\$5.00	15
isting Fence	LF	\$20.00	130
alls	SF	\$32.00	0
Sediment Controls	LS	\$3,000.00	1
raffic Signal	LS	\$50,000.00	1
SUBTOTAL			
se (5%)	L.S.	\$20,505.93	1
Engineering (5%)	L.S.	\$20,505.93	1
Contingency (15%)			
TOTAL BASE CONSTRUCTION COST			
elocations	EACH	\$10,000.00	0
elocations	EACH	\$3,000.00	3
Relaocations	EACH	\$2,500.00	1
Reliabelle	L/(OIT	Ψ2,000.00	
TOTAL UTILITY RELOCATION COST			
TOTAL UTILITY RELOCATION COST			
T00	0.5	<b></b>	
- Fee	S.F.	\$8.00	0
- PE	S.F.	\$8.00	886
- TCE	S.F.	\$2.00	1,88
TOTAL RIGHT OF WAY COST			