

Quadrant	OS Priority	Project Length (feet)	Project Estimate (\$)	Project Estimate / FT (\$)	5 - Year Capital Improvement Projects (North East Quadrant)
NE	7/8	3,451	438,567	127.1	Leonard Avenue (Brentnell Avenue to Sunbury Road)
NE	5/6 & 7/8	3,046	326,666	107.2	Sunbury Road (Fifth Avenue to Leonard Avenue)
NE	5/6 & 7/8	744	136,622	183.6	Brentnell Avenue (Fifth Avenue to Leonard Avenue)
NE	3/4 & 5/6 & 7/8	2,721	302,146	111.0	Woodward Avenue (Woodland Avenue to Brentnell Avenue)
NE	3/4	1,994	178,270	89.4	Worthington Woods Boulevard (Sancus Boulevard to Alta View Road)
NE	7/8	3,906	421,743	108.0	Ferris Road (Karl Road to 300' east of Minnie Street)
NE	5/6 & 7/8	3,133	393,396	125.6	Mock Road (Parkwood Avenue to Bar Harbor Road)
NE	5/6 & 9/10	3,899	340,324	87.3	Joyce Avenue (Denune Avenue to Agler Road)
NE	5/6 & 7/8	3,084	318,786	103.4	5th Avenue (Joyce Avenue to St. Clair Avenue)
NE	5/6 & 7/8	494	90,990	184.2	Mount Vernon Avenue (5th Street to 6th Street)
NE	5/6 & 7/8	5,291	623,721	117.9	Joyce Avenue Phase 1 (Hudson Street from Cleveland Avenue to Parkwood Avenue and Joyce Avenue from Hudson Street to Kenmore Avenue)
NE	5/6 & 7/8	13,883	1,504,816	108.4	Joyce Avenue Phase 2 (Joyce Avenue from Kenmore Avenue to 12th Street & 17th Street from Billiter Avenue to end of Joyce Avenue)
NE TOTAL	12 Projects	45,646	5,076,047	111.2	

OPERATION SAFEWALKS

Leonard Avenue from Brentnell Avenue to Sunbury Road



LEGEND

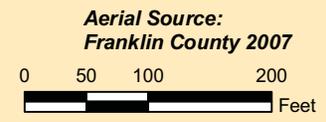
0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist	Transformer
Net_Net_Junctions	Streetlight	DOS_SewerManhole	
Primary Overhead Conductor		Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 7-8: 3,451'
 R/W Acquisition: --
 Utility Relocation: --
 Project Estimate: \$438,567

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OPERATION SAFEWALKS

Leonard Avenue from Brentnell Avenue to Sunbury Road



LEGEND

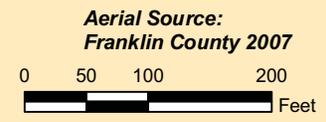
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 7-8: 3,451'
 R/W Acquisition: --
 Utility Relocation: --
 Project Estimate: \$438,567

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Picture is directed northeast near Brentnell Avenue. Sidewalk could be placed outside of shoulder area, or with additional R/W further away to satisfy clear zone requirements. Ditch drainage will need to be considered. Utility relocations are not anticipated.



Picture is directed northeast closer to Wildwood Avenue. Non-curbed road - Right of Way appears ample - drainage issues will need to be resolved as evidenced by the ponded water



Picture is directed northeast near Wellington Blvd. Sidewalk could be placed outside of shoulder area, or with additional R/W further away to satisfy clear zone requirements. Utility relocations are not anticipated.



Picture is directed northeast near Sunbury Road. Sidewalk could be placed outside of shoulder area, or with additional R/W further away to satisfy clear zone requirements. Utility relocations are not anticipated, but the signal will need upgraded for pedestrian use.



OPERATION SAFEWALKS - Leonard Avenue (Brentnell Avenue to Sunbury Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Leonard Avenue (Brentnell Avenue to Sunbury Road)	Arterial	3451	7	22'	60'	19' (R & L)	Possibly if drainage design accommodated.	None apparent	1	0	0	0	\$0	pole line exists both sides of road, but relocation not anticipated	\$0	\$350,854	\$438,567	No	Non-curbed road - Right of Way appears ample - drainage issues will need to be resolved - Signals at Brentnell and Sunbury upgraded for Pedestrians - Recommend NO to QTC

Leonard Avenue (Brentnell Avenue to Sunbury Road)		QUAD	PRIORITY
		NE	(7/8)
General Estimating Data			
Street Classification	Arterial		
Priority Length (ft)	3451	if	
Anticipated Sidewalk width	7	if	
Number of intersection quadrants	16	ea	
Number of alleys	1	ea	
Number of curb ramps	34	ea	
Number of driveways	17	ea	
Square feet of driveways (SQ FT)	1700	sq ft	
square feet of sidewalk (SQ FT)	24157	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	2	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	694.70	CU. YD. 20.00
EMBANKMENT	203	127.81	CU. YD. 20.00
SUBGRADE COMPACTION	204	2873.00	SQ. YD. 2.00
8" CONCRETE WALK	608	3400	SQ. FT. 9.00
4" CONCRETE WALK	608	20757	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	462	189	SQ. YD. 40.00
CURB RAMPS	608	34	EACH 700.00
NEW-DETECTABLE WARNING	SS1551	34	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	2	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00
		SIDEWALK SUBTOTAL	\$258,793.93
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	3451	LIN. FT. 2.50
SEEDING AND MULCHING	669	1917.22	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$16,296.39
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$305,090.31
		15% Project Contingencies	\$45,783.55
		Opinion of Probable Construction Cost	\$350,853.86
		Force Account (10% of Subtotal)	\$35,085.39
		Engineering Design Services (15% of Subtotal)	\$52,628.08
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$438,567.33

OPERATION SAFEWALKS

Sunbury Road from Fifth Avenue to Leonard Avenue



LEGEND

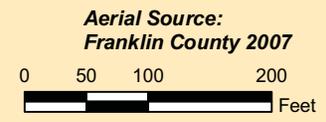
0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
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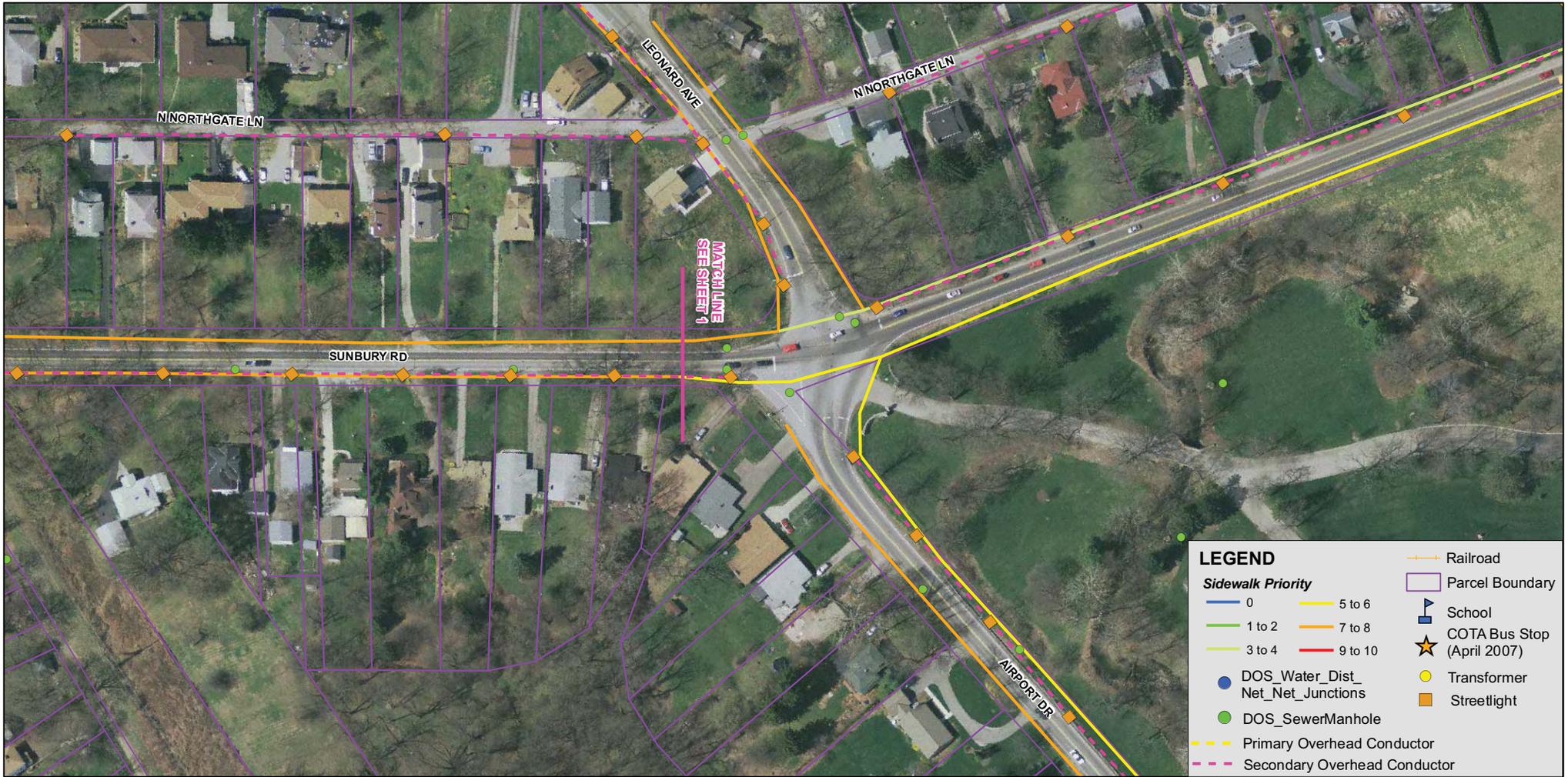
PROJECT SUMMARY Quadrant: NE Project Length: 7-8: 2,901'	PROJECT SUMMARY Quadrant: NE Project Length: 5-6: 145'
R/W Acquisition: \$10,840 Utility Relocation: 0 Project Estimate: \$305,025	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$21,641

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ME COMPANIES



OPERATION SAFEWALKS

Sunbury Road from Fifth Avenue to Leonard Avenue



LEGEND

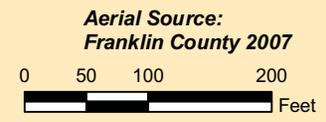
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions		Primary Overhead Conductor	
DOS_SewerManhole		Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 2,901'
R/W Acquisition: \$10,840
Utility Relocation: 0
Project Estimate: \$305,025

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 145'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$21,641





Picture is directed northeast approximately 300 feet from Fifth Avenue. Drainage design will be required – trees and steep slopes will be a design challenge. Sidewalk could be placed behind pole line, or with additional R/W further away to satisfy clear zone requirements.



Picture is directed northeast just northeast of Ridgeway Avenue. Drainage design will be required – trees and steep slopes will be a design challenge. Due to old RR crossing location, the sidewalk would need to be placed behind guardrail and additional R/W required.



Picture is directed northeast approximately 900' from Fifth Avenue. Drainage design will be required – trees and steep slopes on east side of road will be a design challenge.



Picture is directed northeast just southwest of Leonard Avenue. The sidewalk should be placed behind guardrail on the east side, while the west side has ample R/W to move away from the road.



OPERATION SAFEWALKS - Sunbury Road (Fifth Street to Leonard Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curb)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Sunbury Road (Fifth Street to Leonard Avenue)	Arterial (C)	2901	7	20	60	20' (L&R)	Possibly with proper design but additional R/W anticipated	None apparent	1	0	0	2	\$10,840	None anticipated	\$0	\$235,348	\$305,025	No	Right of Way needed at various locations - drainage provisions will be required - trees, guardrail and steep slopes will be a design challenge - Recommend No to QTC for these reasons
NE	(5/6)	Sunbury Road (Fifth Street to Leonard Avenue)	Arterial (C)	145	7	20	60	20' (L&R)	Possibly with proper design, but additional R/W anticipated	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$17,312	\$21,641	No	Right of Way needed at various locations - drainage provisions will be required - trees, guardrail and steep slopes will be a design challenge - Recommend No to QTC for these reasons

Sunbury Road (Fifth Street to Leonard Avenue)					QUAD	PRIORITY
					NE	(7/8)
General Estimating Data						
Street Classification	Arterial (C)					
Priority Length (ft)	2901	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	4	ea				
Number of delays	0	ea				
Number of curb ramps	6	ea				
Number of driveways	11	ea				
Square feet of driveways (SQ FT)	1100	sq ft				
square feet of sidewalk (SQ FT)	20307	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	752.11	CU. YD.	20.00	15,042.22	
EMBANKMENT	203	107.44	CU. YD.	20.00	2,148.89	
SUBGRADE COMPACTION	204	2378.66	SQ. YD.	2.00	4,757.11	
8" CONCRETE WALK	608	800	SQ. FT.	9.00	7,200.00	
4" CONCRETE WALK	608	19507	SQ. FT.	6.00	117,042.00	
CONCRETE DRIVEWAY APRONS	452	122	SQ. YD.	40.00	4,888.80	
CURB RAMPS	608	8	BACH	700.00	5,600.00	
NEW/DETECTABLE WARNING	SS1851	8	EACH	400.00	3,200.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
				SIDEWALK SUBTOTAL	\$162,379.11	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2901	LIN. FT.	2.50	7,252.50	
SEEDING AND MULCHING	659	1811.67	SQ. YD.	4.00	6,446.67	
				EROSION CONTROL SUBTOTAL	\$13,699.17	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	11,904.98	11,904.98	
FIELD OFFICE	619	1	LUMP	4,761.98	4,761.98	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	4,761.98	4,761.98	
MOBILIZATION	624	1	LUMP	7,142.97	7,142.97	
				MISCELLANEOUS SUBTOTAL	\$28,571.90	
				Project Subtotal	\$204,650.18	
				15% Project Contingencies	\$30,697.53	
				Opinion of Probable Construction Cost	\$235,347.70	
				Force Account (10% of Subtotal)	\$23,534.77	
				Engineering Design Services (15% of Subtotal)	\$35,302.16	
				Right of Way Acquisition	\$10,840.49	
				Utility Relocation	\$0.00	
				PROJECT ESTIMATE	\$305,025.00	

Sunbury Road (Fifth Street to Leonard Avenue)					QUAD	PRIORITY
					NE	(5/6)
General Estimating Data						
Street Classification	Arterial (C)					
Priority Length (ft)	145	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	1	ea				
Number of delays	0	ea				
Number of curb ramps	2	ea				
Number of driveways	1	ea				
Square feet of driveways (SQ FT)	100	sq ft				
square feet of sidewalk (SQ FT)	1015	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	37.59	CU. YD.	20.00	751.85	
EMBANKMENT	203	5.37	CU. YD.	20.00	107.41	
SUBGRADE COMPACTION	204	123.89	SQ. YD.	2.00	247.78	
8" CONCRETE WALK	608	200	SQ. FT.	9.00	1,800.00	
4" CONCRETE WALK	608	815	SQ. FT.	6.00	4,890.00	
CONCRETE DRIVEWAY APRONS	452	11	SQ. YD.	40.00	444.44	
CURB RAMPS	608	2	BACH	700.00	1,400.00	
NEW/DETECTABLE WARNING	SS1851	2	EACH	400.00	800.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
				SIDEWALK SUBTOTAL	\$12,941.48	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	145	LIN. FT.	2.50	362.50	
SEEDING AND MULCHING	659	80.66	SQ. YD.	4.00	322.22	
				EROSION CONTROL SUBTOTAL	\$684.72	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	595.04	595.04	
FIELD OFFICE	619	1	LUMP	238.02	238.02	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	238.02	238.02	
MOBILIZATION	624	1	LUMP	357.03	357.03	
				MISCELLANEOUS SUBTOTAL	\$1,428.10	
				Project Subtotal	\$15,054.31	
				15% Project Contingencies	\$2,258.15	
				Opinion of Probable Construction Cost	\$17,312.45	
				Force Account (10% of Subtotal)	\$1,731.28	
				Engineering Design Services (15% of Subtotal)	\$2,586.87	
				Right of Way Acquisition	\$0.00	
				Utility Relocation	\$0.00	
				PROJECT ESTIMATE	\$21,640.97	

OPERATION SAFEWALKS

Brentnell Avenue from Fifth Avenue to Leonard Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	Net_Net_Junctions			Transformer	Streetlight
DOS_SewerManhole	Primary Overhead Conductor			Secondary Overhead Conductor	

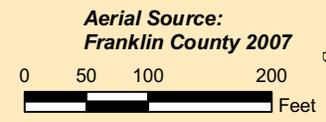


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 338'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$57,572

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 406'
R/W Acquisition: \$12,238
Utility Relocation: 0
Project Estimate: \$79,050

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ME COMPANIES





Picture is directed northeast approximately 50 feet north of East Fifth Avenue intersection. Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend Yes to the 7/8 QTC.



Picture is directed north approximately 400 feet from East Fifth Avenue intersection. Walk could be placed behind pole line. Right of Way will be needed to grade drainage ditch - Recommend No to QTC for R/W and drainage reasons.



Picture is directed north approximately 250 feet from East Fifth Avenue intersection. Walk could be placed behind pole line (west side). Right of Way will be needed to grade drainage ditch - Recommend No to QTC for R/W and drainage reasons.



Picture is directed north approximately 150 feet from East Fifth Avenue intersection. Walk could be placed behind pole line (west side). Right of Way will be needed to grade drainage ditch - Recommend No to QTC for R/W and drainage reasons.



OPERATION SAFEWALKS - Brentnell Avenue (Fifth Avenue to Leonard Avenue)

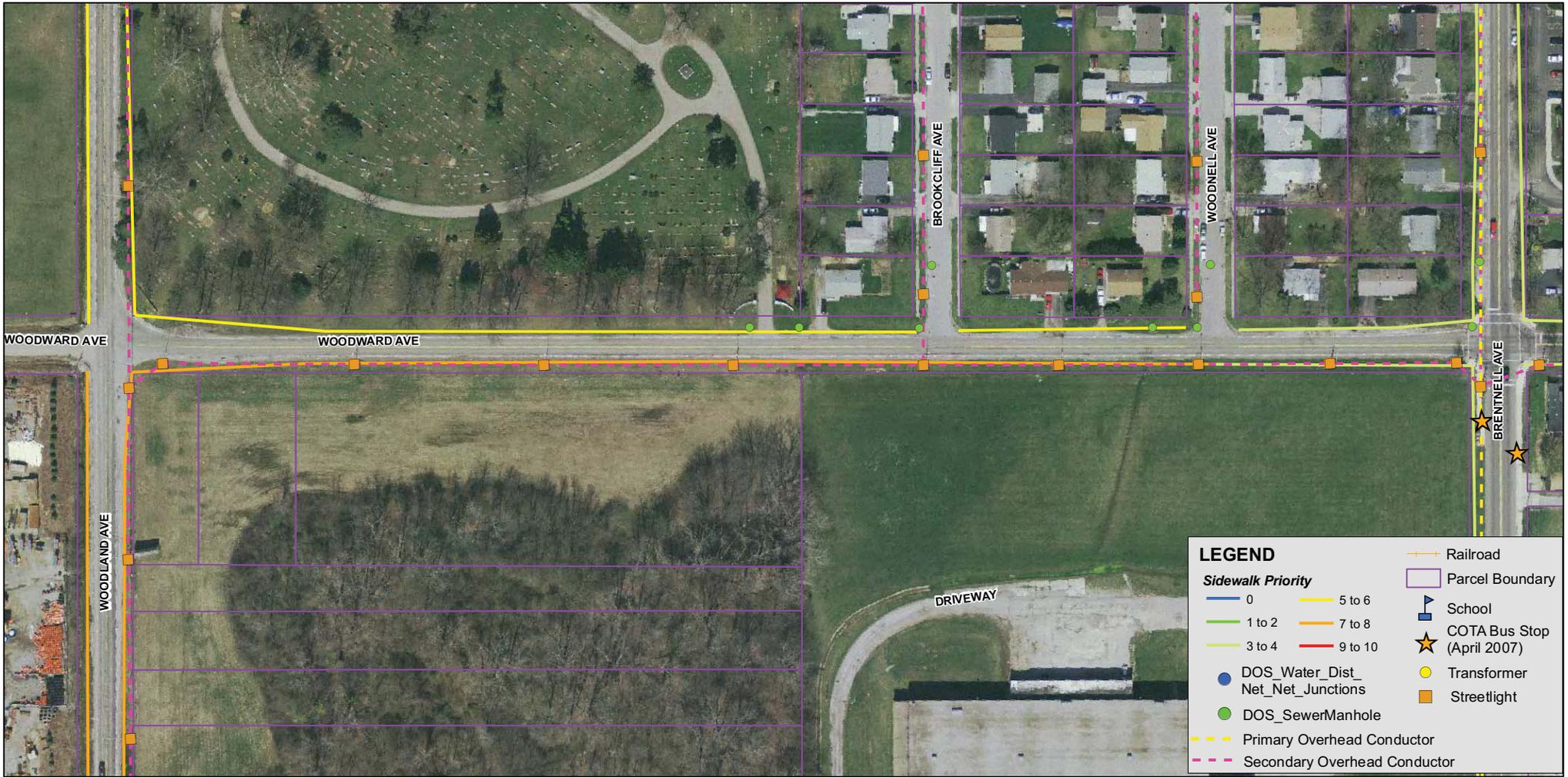
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Brentnell Avenue (Fifth Avenue to Leonard Avenue)	Arterial (C)	338	7	20	60	15' L 25' R	R/W available on the East Side of Brentnell (YES)	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$46,057	\$57,572	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend Yes to QTC.
NE	(5/6)	Brentnell Avenue (Fifth Avenue to Leonard Avenue)	Arterial (C)	406	7	20	60	15' L 25' R	West side would need additional R/W to provide allowable offset	None apparent	1	0	0	1	\$12,238	None anticipated	\$0	\$53,449	\$79,050	Yes	Right of Way needed to regrade drainage ditch - Recommend No to QTC for R/W and drainage reasons.

Brentnell Avenue (Fifth Avenue to Leonard Avenue)		QUAD	PRIORITY		
General Estimating Data		NE	(7/8)		
Street Classification	Arterial (C)				
Priority Length (ft)	338	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	1	ea			
Number of alleys	1	ea			
Number of curb ramps	4	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	2368	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	Yes				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	87.83	CU. YD.	20.00	1,752.59
EMBANKMENT	203	12.62	CU. YD.	20.00	250.37
SUBGRADE COMPACTION	204	262.89	SQ. YD.	2.00	525.78
8" CONCRETE WALK	608	400	SQ. FT.	9.00	3,600.00
4" CONCRETE WALK	608	1966	SQ. FT.	6.00	11,796.00
CONCRETE DRIVEWAY APRONS	462	0	SQ. YD.	40.00	0.00
CURB RAMPS	608	4	EACH	700.00	2,800.00
NEW-DETECTABLE WARNING	SS1551	4	EACH	400.00	1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
SIDEWALK SUBTOTAL					\$24,824.74
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	338	LIN. FT.	2.50	845.00
SEEDING AND MULCHING	659	187.78	SQ. YD.	4.00	751.11
EROSION CONTROL SUBTOTAL					\$1,596.11
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	5,678.76	5,678.76
FIELD OFFICE	619	1	LUMP	2,271.51	2,271.51
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,271.51	2,271.51
MOBILIZATION	624	1	LUMP	3,407.26	3,407.26
MISCELLANEOUS SUBTOTAL					\$13,628.03
Project Subtotal					\$40,049.88
15% Project Contingencies					\$6,007.48
Opinion of Probable Construction Cost					\$46,057.37
Force Account (10% of Subtotal)					\$4,605.74
Engineering Design Services (15% of Subtotal)					\$6,008.61
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$57,571.71

Brentnell Avenue (Fifth Avenue to Leonard Avenue)		QUAD	PRIORITY		
General Estimating Data		NE	(5/6)		
Street Classification	Arterial (C)				
Priority Length (ft)	406	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	1	ea			
Number of alleys	1	ea			
Number of curb ramps	4	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	2842	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	Yes				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	105.26	CU. YD.	20.00	2,105.19
EMBANKMENT	203	15.04	CU. YD.	20.00	300.74
SUBGRADE COMPACTION	204	315.78	SQ. YD.	2.00	631.56
8" CONCRETE WALK	608	400	SQ. FT.	9.00	3,600.00
4" CONCRETE WALK	608	2442	SQ. FT.	6.00	14,652.00
CONCRETE DRIVEWAY APRONS	462	0	SQ. YD.	40.00	0.00
CURB RAMPS	608	4	EACH	700.00	2,800.00
NEW-DETECTABLE WARNING	SS1551	4	EACH	400.00	1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
SIDEWALK SUBTOTAL					\$28,189.48
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	406	LIN. FT.	2.50	1,015.00
SEEDING AND MULCHING	659	225.56	SQ. YD.	4.00	902.22
EROSION CONTROL SUBTOTAL					\$1,917.22
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	6,821.24	6,821.24
FIELD OFFICE	619	1	LUMP	2,728.49	2,728.49
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,728.49	2,728.49
MOBILIZATION	624	1	LUMP	4,092.74	4,092.74
MISCELLANEOUS SUBTOTAL					\$16,370.97
Project Subtotal					\$46,477.67
15% Project Contingencies					\$6,971.65
Opinion of Probable Construction Cost					\$53,449.32
Force Account (10% of Subtotal)					\$5,344.93
Engineering Design Services (15% of Subtotal)					\$8,017.40
Right of Way Acquisition					\$12,238.38
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$79,050.94

OPERATION SAFEWALKS

Woodward Avenue from Woodland Avenue to Brentnell Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 7-8: 1,136'
 R/W Acquisition: 0
 Utility Relocation: -0
 Project Estimate: \$114,138

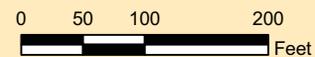
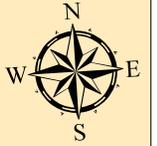
PROJECT SUMMARY
 Quadrant: NE
 Project Length: 5-6: 1,063'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$126,076

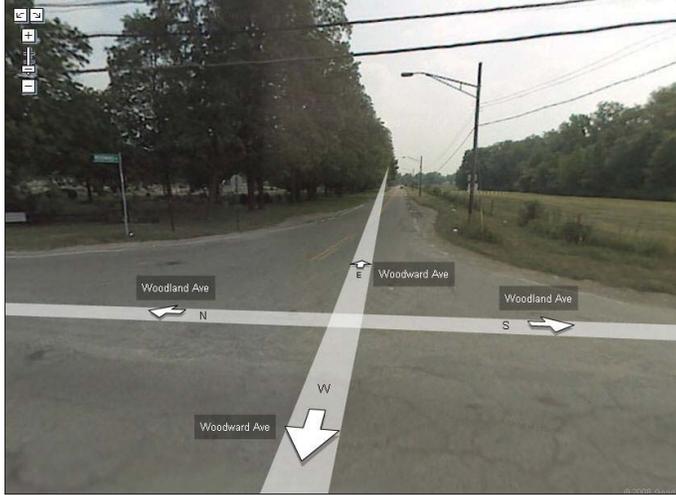
PROJECT SUMMARY
 Quadrant: NE
 Project Length: 3-4: 522'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$61,932

Page 1 of 1



Aerial Source:
 Franklin County 2007



Picture is directed east at Woodland Avenue and Woodward Avenue intersection. Drainage provisions will be required due to ditch - recommend No to QTC mainly to account for drainage.



Picture is directed east approximately 50' west of Woodnell Avenue. Drainage provisions will be required due to ditch and culvert pipe - recommend No to QTC mainly to account for drainage.



Picture is directed east approximately 150' east of Woodland Avenue. Drainage provisions will be required due to ditch - recommend placing walk to satisfy allowable offset in this area as ample R/W exists.



Picture is directed east just east of Woodnell Avenue. Drainage provisions will be required due to ditch swale - recommend No to QTC mainly to account for drainage.



OPERATION SAFEWALKS - Woodward Avenue (Woodland Avenue to Brentnell Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Woodward Avenue (Woodland Avenue to Brentnell Avenue)	Arterial	1136	7	20	60	20' (R & L)	Possibly - but drainage design due to ditches would be required	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$91,310	\$114,138	No	Non-curbed road - Right of Way appears ample - drainage provisions/design will be required due to ditch-utilities relocations not anticipated - recommend no to QTC mainly to account for drainage.
NE	(5/6)	Woodward Avenue (Woodland Avenue to Brentnell Avenue)	Arterial	1063	7	20	60	20' (R & L)	Possibly - but drainage design due to ditches would be required	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$100,861	\$126,076	No	Non-curbed road - Right of Way appears ample - drainage provisions/design will be required due to ditch-utilities relocations not anticipated - recommend no to QTC mainly to account for drainage.
NE	(3/4)	Woodward Avenue (Woodland Avenue to Brentnell Avenue)	Arterial	522	7	20	60	20' (R & L)	Possibly - but drainage design due to ditches would be required	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$49,545	\$61,932	No	Non-curbed road - Right of Way appears ample - drainage provisions/design will be required due to ditch-utilities relocations not anticipated - recommend no to QTC mainly to account for drainage.

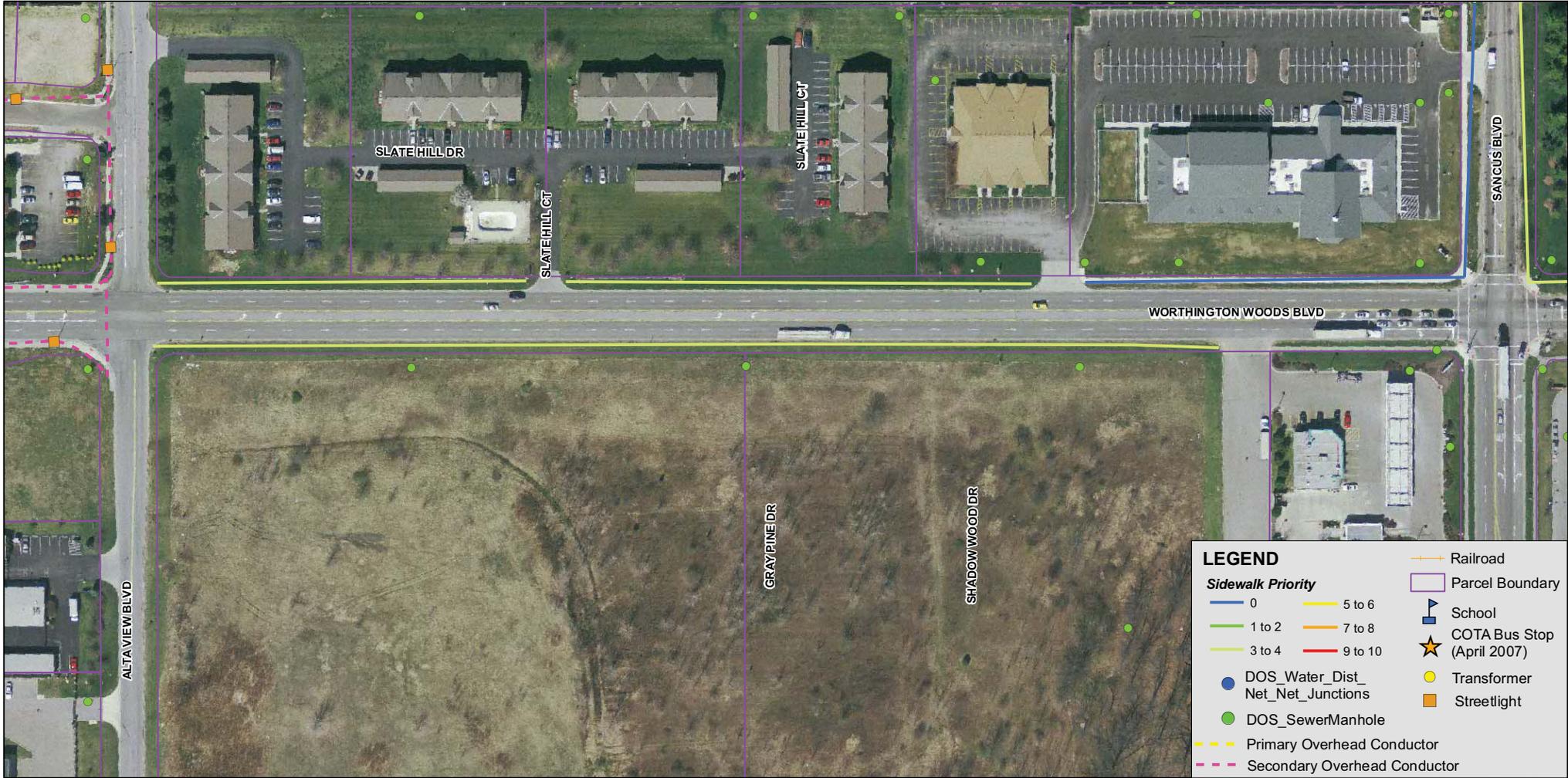
Woodward Avenue (Woodland Avenue to Brentnell Avenue)		QUAD	PRIORITY		
General Estimating Data		NE	(7/8)		
Street Classification	Arterial				
Priority Length (ft)	1136				
Anticipated Sidewalk width	7				
Number of intersection quadrants	1	ea			
Number of alleys	0	ea			
Number of curb ramps	2	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	7952	sq ft			
retaining wall estimate greater than 4 ft in height	0	lf			
retaining wall estimate less than 4 ft in height	0	lf			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	284.52	CU. YD.	20.00	5,890.37
EMBANKMENT	203	42.07	CU. YD.	20.00	841.48
SUBGRADE COMPACTION	204	883.56	SQ. YD.	2.00	1,787.11
8" CONCRETE WALK	608	200	SQ. FT.	9.00	1,800.00
4" CONCRETE WALK	608	7782	SQ. FT.	6.00	46,512.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00
CURB RAMPS	608	2	EACH	700.00	1,400.00
NEW-DETECTABLE WARNING	S31551	2	EACH	400.00	800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$61,510.96
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1136	LIN. FT.	2.50	2,840.00
SEEDING AND MULCHING	658	631.11	SQ. YD.	4.00	2,524.44
EROSION CONTROL SUBTOTAL					\$5,364.44
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	5,218.87	5,218.87
FIELD OFFICE	619	1	LUMP	2,087.47	2,087.47
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,087.47	2,087.47
MOBILIZATION	624	1	LUMP	3,131.20	3,131.20
MISCELLANEOUS SUBTOTAL					\$12,524.81
Project Subtotal					\$79,400.21
15% Project Contingencies					\$11,910.03
Opinion of Probable Construction Cost					\$91,310.25
Force Account (10% of Subtotal)					\$9,131.02
Engineering Design Services (15% of Subtotal)					\$13,696.54
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$114,137.81

Woodward Avenue (Woodland Avenue to Brentnell Avenue)		QUAD	PRIORITY		
General Estimating Data		NE	(5/6)		
Street Classification	Arterial				
Priority Length (ft)	1063				
Anticipated Sidewalk width	7				
Number of intersection quadrants	5	ea			
Number of alleys	0	ea			
Number of curb ramps	10	ea			
Number of driveways	4	ea			
Square feet of driveways (SQ FT)	400	sq ft			
square feet of sidewalk (SQ FT)	7441	sq ft			
retaining wall estimate greater than 4 ft in height	0	lf			
retaining wall estimate less than 4 ft in height	0	lf			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	275.59	CU. YD.	20.00	5,511.85
EMBANKMENT	203	39.37	CU. YD.	20.00	787.41
SUBGRADE COMPACTION	204	871.22	SQ. YD.	2.00	1,742.44
8" CONCRETE WALK	608	1000	SQ. FT.	9.00	9,000.00
4" CONCRETE WALK	608	6441	SQ. FT.	6.00	38,646.00
CONCRETE DRIVEWAY APRONS	452	44	SQ. YD.	40.00	1,777.78
CURB RAMPS	608	10	EACH	700.00	7,000.00
NEW-DETECTABLE WARNING	S31551	10	EACH	400.00	4,000.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$70,965.48
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1063	LIN. FT.	2.50	2,657.50
SEEDING AND MULCHING	658	590.56	SQ. YD.	4.00	2,362.22
EROSION CONTROL SUBTOTAL					\$5,019.72
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	4,883.31	4,883.31
FIELD OFFICE	619	1	LUMP	1,953.33	1,953.33
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,953.33	1,953.33
MOBILIZATION	624	1	LUMP	2,929.99	2,929.99
MISCELLANEOUS SUBTOTAL					\$11,719.96
Project Subtotal					\$87,705.16
15% Project Contingencies					\$13,155.7739
Opinion of Probable Construction Cost					\$100,860.93
Force Account (10% of Subtotal)					\$10,086.09
Engineering Design Services (15% of Subtotal)					\$15,129.14
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$126,076.17

Woodward Avenue (Woodland Avenue to Brentnell Avenue)		QUAD	PRIORITY		
General Estimating Data		NE	(3/4)		
Street Classification	Arterial				
Priority Length (ft)	522				
Anticipated Sidewalk width	7				
Number of intersection quadrants	2	ea			
Number of alleys	0	ea			
Number of curb ramps	4	ea			
Number of driveways	2	ea			
Square feet of driveways (SQ FT)	200	sq ft			
square feet of sidewalk (SQ FT)	3654	sq ft			
retaining wall estimate greater than 4 ft in height	0	lf			
retaining wall estimate less than 4 ft in height	0	lf			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	135.33	CU. YD.	20.00	2,706.67
EMBANKMENT	203	19.33	CU. YD.	20.00	386.67
SUBGRADE COMPACTION	204	428.22	SQ. YD.	2.00	856.44
8" CONCRETE WALK	608	400	SQ. FT.	9.00	3,600.00
4" CONCRETE WALK	608	3254	SQ. FT.	6.00	19,524.00
CONCRETE DRIVEWAY APRONS	452	22	SQ. YD.	40.00	888.89
CURB RAMPS	608	4	EACH	700.00	2,800.00
NEW-DETECTABLE WARNING	S31551	4	EACH	400.00	1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$34,862.67
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	522	LIN. FT.	2.50	1,305.00
SEEDING AND MULCHING	658	280.00	SQ. YD.	4.00	1,160.00
EROSION CONTROL SUBTOTAL					\$2,465.00
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	2,398.02	2,398.02
FIELD OFFICE	619	1	LUMP	959.21	959.21
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	959.21	959.21
MOBILIZATION	624	1	LUMP	1,436.81	1,436.81
MISCELLANEOUS SUBTOTAL					\$5,752.24
Project Subtotal					\$43,082.90
15% Project Contingencies					\$6,462.43556
Opinion of Probable Construction Cost					\$49,545.34
Force Account (10% of Subtotal)					\$4,954.53
Engineering Design Services (15% of Subtotal)					\$7,431.80
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$61,931.87

OPERATION SAFEWALKS

Worthington Woods Boulevard from Alta View Boulevard to Sancus Boulevard



LEGEND

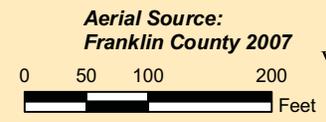
0	5 to 6	7 to 8	9 to 10	Railroad	Parcel Boundary
1 to 2	3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 3-4: 1,994'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$178,270

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Picture is directed west approximately 300 feet east of Alta View. Walk could be placed directly behind curb, or with a buffer - Right of Way appears ample - minimal drainage issues - utility relocations not anticipated - Recommend Yes to QTC.



Picture is directed east approximately 300 feet east of Alta View. Walk could be placed directly behind curb, or with a buffer - Right of Way appears ample - minimal drainage issues - utility relocations not anticipated - Recommend Yes to QTC.



Picture is directed east approximately 400 feet east of Alta View. Walk could be placed directly behind curb, or with a buffer - Right of Way appears ample - minimal drainage issues - utility relocations not anticipated - Recommend Yes to QTC.



Picture is directed east approximately 800 feet east of Alta View near Sancus Blvd. Walk could be placed directly behind curb, or with a buffer - Right of Way appears ample - minimal drainage issues - utility relocations not anticipated - Recommend Yes to QTC.



OPERATION SAFEWALKS - Worthington Woods Boulevard (Alta View Boulevard to Sancus Boulevard)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(3/4)	Worthington Woods Boulevard (Alta View Boulevard to Sancus Boulevard)	Arterial (4-2)	1994	5	50	80	15' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$142,616	\$178,270	Yes	Curbed road - Right of Way appears ample - minimal drainage issues - utilities relocations not anticipated - Recommend QTC

Worthington Woods Boulevard (Alta View Boulevard to Sancus Boulevard)		QUAD	PRIORITY
		NE	(3/4)
General Estimating Data			
Street Classification	Arterial (4-2)		
Priority Length (ft)	1994	lf	
Anticipated Sidewalk width	5	lf	
Number of intersection quadrants	4	ea	
Number of alleys	0	ea	
Number of curb ramps	8	ea	
Number of driveways	0	ea	
Square feet of driveways (SQ FT)	0	sq ft	
square feet of sidewalk (SQ FT)	9970	sq ft	
retaining wall estimate greater than 4 ft in height	0	lf	
retaining wall estimate less than 4 ft in height	0	lf	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	Yes		
Proposed sidewalk typical (see exhibit 3)	4		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	369.26	CU. YD. 20.00
EMBANKMENT	203	73.85	CU. YD. 20.00
SUBGRADE COMPACTION	204	1107.78	SQ. YD. 2.00
8" CONCRETE WALK	608	600	SQ. FT. 9.00
4" CONCRETE WALK	608	9170	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD. 40.00
CURB RAMPS	808	8	EACH 700.00
NEW-DETECTABLE WARNING	SS1551	8	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00
		SIDEWALK SUBTOTAL	\$84,597.78
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSTION BERM	207	1994	LIN. FT. 2.50
SEEDING AND MULCHING	659	1107.78	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$9,416.11
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$124,013.89
		15% Project Contingencies	\$18,602.08
		Opinion of Probable Construction Cost	\$142,615.97
		Force Account (10% of Subtotal)	\$14,261.60
		Engineering Design Services (15% of Subtotal)	\$21,392.40
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$178,269.97

OPERATION SAFEWALKS

Ferris Road from Karl Road to Minnie Road



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 2,766'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$291,245

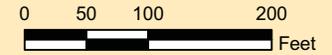
PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 1,140'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$130,498

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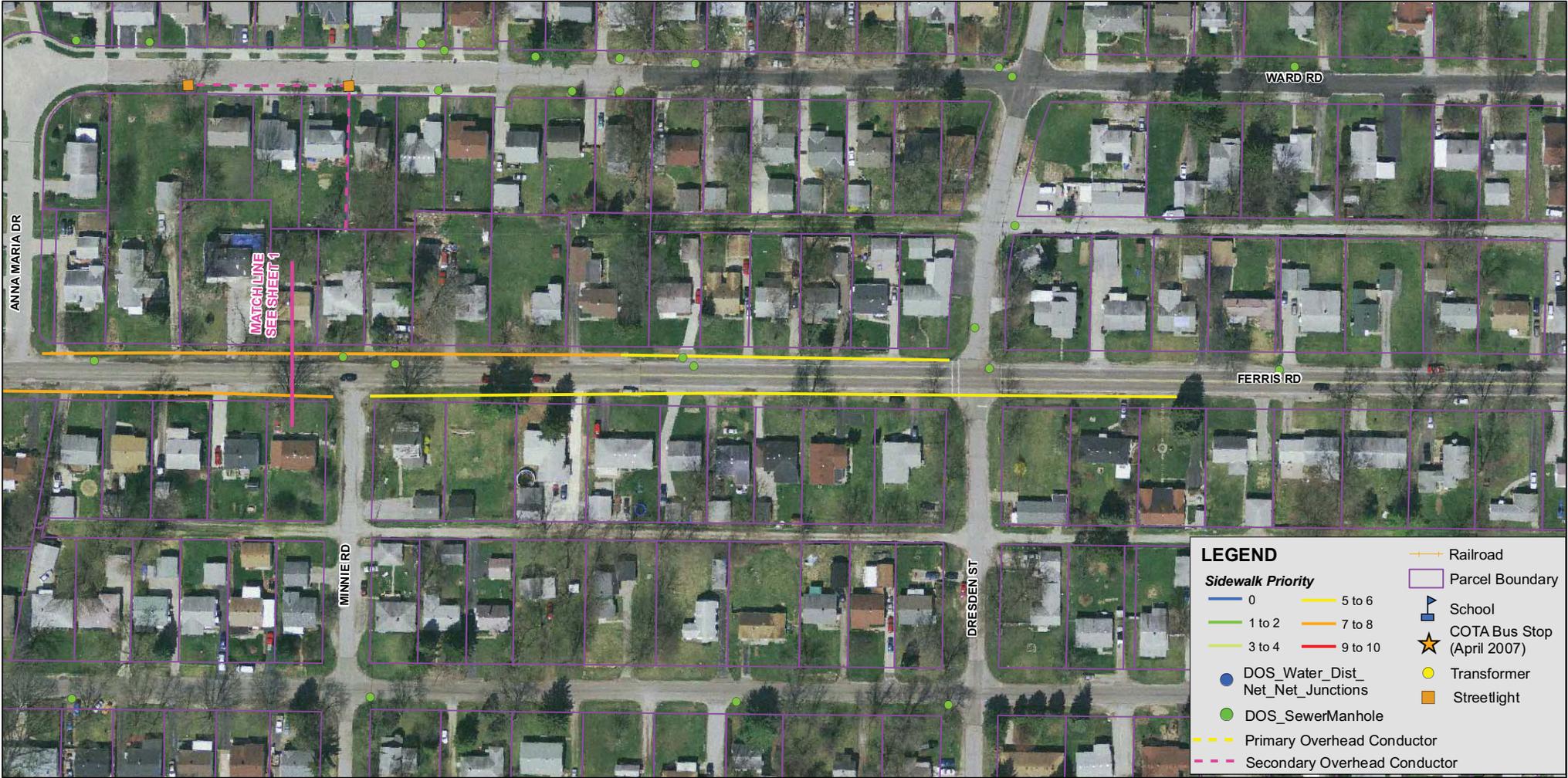


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Ferris Road from Karl Road to Minnie Road



City of Columbus
Public Service Department
Transportation Division

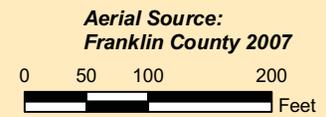
PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 2,766'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$291,245

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 1,140'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$130,498

Page 2 of 2



Aerial Source:
Franklin County 2007





Picture directed east approximately 150 ft east of Ferris Road and Karl Road intersection. Right of Way appears ample if allowable clear zone is waived - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC.



Picture is directed east at Estates Place. Right of Way appears ample if allowable clear zone is waived - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC.



Picture is directed west at Anna Maria Drive. Right of Way appears ample if allowable clear zone is waived - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC.



Picture is directed east approximately 150' east of Anna Maria Drive. Right of Way appears ample if allowable clear zone is waived - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC.



OPERATION SAFEWALKS - Ferris Road (Karl Road to Minnie Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/6)	Ferris Road (Karl Road to Minnie Road)	Arterial (C)	2766	7	Varies from 22' to 36' at Karl Rd intersection	60	12' min at intersection	Could be possible with appropriate design	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$232,996	\$291,245	No	Right of Way appears ample - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC
NE	(5/6)	Ferris Road (Karl Road to Minnie Road)	Arterial (C)	1140	7	Varies from 22' to 36' at Karl Rd intersection	60	12' min at intersection	Could be possible with appropriate design	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$104,399	\$130,498	No	Right of Way appears ample - Utilities appear clear - drainage design will be required to accommodate drainage ditch/swales along both sides of Ferris - Recommend NO to QTC

Ferris Road (Karl Road to Minnie Road)		QUAD	PRIORITY	
		NE	(7/6)	
General Estimating Data				
Street Classification	Arterial (C)			
Priority Length (ft)	2766	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	6	ea		
Number of alleys	0	ea		
Number of curb ramps	12	ea		
Number of driveways	26	ea		
Square feet of driveways (SQ FT)	2600	sq ft		
square feet of sidewalk (SQ FT)	19362	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	717.11	CU. YD.	14,342.22
EMBANKMENT	203	102.44	CU. YD.	2,048.89
SUBGRADE COMPACTION	204	2440.22	SQ. YD.	4,880.44
8" CONCRETE WALK	608	1200	SQ. FT.	10,800.00
4" CONCRETE WALK	608	19162	SQ. FT.	109,972.00
CONCRETE DRIVEWAY APRONS	452	289	SQ. YD.	40.00
CURB RAMPS	608	12	EACH	700.00
NEW/DETECTABLE WARNING	SS1161	12	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
EROSION CONTROL				\$168,299.11
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2766	LIN. FT.	2.50
SEEDING AND MULCHING	659	1536.67	SQ. YD.	4.00
MISCELLANEOUS (PRORATED)				\$13,061.67
MAINTAINING TRAFFIC	614	1	LUMP	8,851.77
FIELD OFFICE	619	1	LUMP	3,640.71
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,640.71
MOBILIZATION	624	1	LUMP	5,311.06
MISCELLANEOUS SUBTOTAL				\$21,244.24
Project Subtotal				\$292,605.02
15% Project Contingencies				\$30,390.75
Opinion of Probable Construction Cost				\$232,995.77
Force Account (10% of Subtotal)				\$23,299.58
Engineering Design Services (15% of Subtotal)				\$34,949.37
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$291,244.71

Ferris Road (Karl Road to Minnie Road)		QUAD	PRIORITY	
		NE	(5/6)	
General Estimating Data				
Street Classification	Arterial (C)			
Priority Length (ft)	1140	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	4	ea		
Number of alleys	0	ea		
Number of curb ramps	8	ea		
Number of driveways	14	ea		
Square feet of driveways (SQ FT)	1400	sq ft		
square feet of sidewalk (SQ FT)	7980	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	295.56	CU. YD.	5,911.11
EMBANKMENT	203	42.22	CU. YD.	844.44
SUBGRADE COMPACTION	204	1042.22	SQ. YD.	2,084.44
8" CONCRETE WALK	608	800	SQ. FT.	7,200.00
4" CONCRETE WALK	608	7160	SQ. FT.	43,080.00
CONCRETE DRIVEWAY APRONS	452	156	SQ. YD.	40.00
CURB RAMPS	608	8	EACH	700.00
NEW/DETECTABLE WARNING	SS1161	8	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00
EROSION CONTROL				\$76,642.22
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1140	LIN. FT.	2.50
SEEDING AND MULCHING	659	633.33	SQ. YD.	4.00
MISCELLANEOUS				\$5,383.33
MAINTAINING TRAFFIC	614	1	LUMP	3,648.23
FIELD OFFICE	619	1	LUMP	1,459.29
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,459.29
MOBILIZATION	624	1	LUMP	2,188.94
MISCELLANEOUS SUBTOTAL				\$8,755.76
Project Subtotal				\$90,781.33
15% Project Contingencies				\$13,617.20
Opinion of Probable Construction Cost				\$104,398.51
Force Account (10% of Subtotal)				\$10,439.85
Engineering Design Services (15% of Subtotal)				\$15,659.78
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$130,498.14

OPERATION SAFEWALKS

Mock Road from Parkwood Avenue to Bar Harbor Road



City of Columbus
Public Service Department
Transportation Division

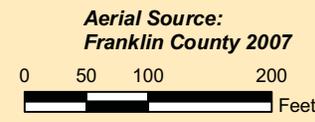
PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 431'

R/W Acquisition: \$7,188
Utility Relocation: 0
Project Estimate: \$64,384

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 2,702'

R/W Acquisition: \$20,671
Utility Relocation: 0
Project Estimate: \$329,012

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OPERATION SAFEWALKS

Mock Road from Parkwood Avenue to Bar Harbor Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	Transformer	Streetlight
DOS_SewerManhole	Primary Overhead Conductor	Secondary Overhead Conductor
Railroad		

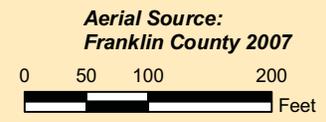


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 431'
R/W Acquisition: \$7,188
Utility Relocation: 0
Project Estimate: \$64,384

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 2,702'
R/W Acquisition: \$20,671
Utility Relocation: 0
Project Estimate: \$329,012

Page 2 of 3
ME COMPANIES



OPERATION SAFEWALKS

Mock Road from Parkwood Avenue to Bar Harbor Road



LEGEND

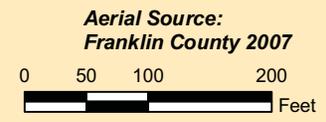
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 431'
R/W Acquisition: \$7,188
Utility Relocation: 0
Project Estimate: \$64,384

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 2,702'
R/W Acquisition: \$20,671
Utility Relocation: 0
Project Estimate: \$329,012





Picture is directed east approximately 100 ft east of Brentnell Avenue intersection. R/W appears ample, except where R/W will be required to align properly with existing sidewalk - NO to QTC for R/W issue.



Picture is directed west near Parkwood Avenue. R/W will be required as walk is recommended to be placed behind guardrail at a minimum.



Picture is directed west approximately 300 ft east of Woodland Avenue. Recommend placing walk along fence, but regardless of location drainage will need to be considered.



Picture is directed east at Brentnell Avenue. R/W appears ample, except where R/W will be required to align properly with existing sidewalk - NO to QTC for R/W issue.



OPERATION SAFEWALKS - Mock Road (Parkwood Avenue to Bar Harbor Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Mock Road (Parkwood Avenue to Bar Harbor Road)	Arterial (C)	431	7	22	varies -60' min to 80' max	Left side N/A - Right side varies - 19' min	Not without additional R/W	None apparent	1	0	0	1	\$7,188	None anticipated	\$0	\$45,757	\$64,384	No	Right of Way appears ample, except just east of Brentnell where R/W will be required to align properly with existing sidewalk - drainage appears manageable - Utilities appear clear - NO to QTC for R/W issue
NE	(5/6)	Mock Road (Parkwood Avenue to Bar Harbor Road)	Arterial (C)	2702	7	22	varies -60' min to 80' max	varies - LT & RT Side 19' min	Not without additional R/W	None apparent	1	0	0	4	\$20,671	None anticipated	\$0	\$246,673	\$329,012	No	Right of Way appears ample, except at Parkwood intersection & athletic complex where R/W will be required - drainage appears manageable - Utilities appear clear - NO to QTC for R/W issue

Mock Road (Parkwood Avenue to Bar Harbor Road)		QUAD	PRIORITY		
		NE	(7/8)		
General Estimating Data					
Street Classification	Arterial (C)				
Priority Length (ft)	431	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	3	ea			
Number of alleys	0	ea			
Number of curb ramps	6	ea			
Number of driveways	3	ea			
Square feet of driveways (SQ FT)	300	sq ft			
square feet of sidewalk (SQ FT)	3017	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	111.74	CU. YD.	20.00	2,234.81
EMBANKMENT	203	15.96	CU. YD.	20.00	319.26
SUBGRADE COMPACTION	204	368.56	SQ. YD.	2.00	737.11
8" CONCRETE WALK	608	600	SQ. FT.	9.00	5,400.00
4" CONCRETE WALK	608	2417	SQ. FT.	6.00	14,502.00
CONCRETE DRIVEWAY APRONS	452	33	SQ. YD.	40.00	1,333.33
CURE RAMPS	608	8	BACH	700.00	4,200.00
NEW/DETECTABLE WARNING	SS1851	8	EACH	400.00	2,400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$33,626.52
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	431	LIN. FT.	2.50	1,077.50
SEEDING AND MULCHING	659	239.44	SQ. YD.	4.00	957.76
EROSION CONTROL SUBTOTAL					\$2,035.28
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	1,719.80	1,719.80
FIELD OFFICE	619	1	LUMP	687.84	687.84
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	687.84	687.84
MOBILIZATION	624	1	LUMP	1,031.76	1,031.76
MISCELLANEOUS SUBTOTAL					\$4,127.03
Project Subtotal					\$39,788.83
15% Project Contingencies					\$5,968.32
Opinion of Probable Construction Cost					\$45,757.16
Force Account (10% of Subtotal)					\$4,575.72
Engineering Design Services (15% of Subtotal)					\$6,863.57
Right of Way Acquisition					\$7,187.88
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$64,384.32

Mock Road (Parkwood Avenue to Bar Harbor Road)		QUAD	PRIORITY		
		NE	(5/6)		
General Estimating Data					
Street Classification	Arterial (C)				
Priority Length (ft)	2702	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	9	ea			
Number of alleys	2	ea			
Number of curb ramps	22	ea			
Number of driveways	19	ea			
Square feet of driveways (SQ FT)	1900	sq ft			
square feet of sidewalk (SQ FT)	18914	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	700.52	CU. YD.	20.00	14,010.37
EMBANKMENT	203	100.07	CU. YD.	20.00	2,001.48
SUBGRADE COMPACTION	204	2312.67	SQ. YD.	2.00	4,625.33
8" CONCRETE WALK	608	2200	SQ. FT.	9.00	19,800.00
4" CONCRETE WALK	608	18714	SQ. FT.	6.00	109,284.00
CONCRETE DRIVEWAY APRONS	452	211	SQ. YD.	40.00	8,444.44
CURE RAMPS	608	22	BACH	700.00	15,400.00
NEW/DETECTABLE WARNING	SS1851	22	EACH	400.00	8,800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
SIDEWALK SUBTOTAL					\$175,865.63
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2702	LIN. FT.	2.50	6,755.00
SEEDING AND MULCHING	659	1601.11	SQ. YD.	4.00	6,004.44
EROSION CONTROL SUBTOTAL					\$12,759.44
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	10,780.40	10,780.40
FIELD OFFICE	619	1	LUMP	4,312.16	4,312.16
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	4,312.16	4,312.16
MOBILIZATION	624	1	LUMP	6,486.24	6,486.24
MISCELLANEOUS SUBTOTAL					\$25,872.97
Project Subtotal					\$214,498.04
15% Project Contingencies					\$32,174.71
Opinion of Probable Construction Cost					\$246,672.75
Force Account (10% of Subtotal)					\$24,667.27
Engineering Design Services (15% of Subtotal)					\$37,000.91
Right of Way Acquisition					\$20,670.71
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$329,011.64

OPERATION SAFEWALKS

Joyce Avenue from Denune Avenue to Agler Road



LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▢ School
● DOS_Water_Dist	★ COTA Bus Stop (April 2007)	★ COTA Bus Stop (April 2007)
● Net_Net_Junctions	● Transformer	● Transformer
● DOS_SewerManhole	■ Streetlight	■ Streetlight
- - - Primary Overhead Conductor		
- - - Secondary Overhead Conductor		

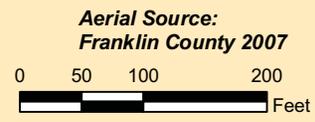


MAYOR MIKE COLEMAN
OPERATION SAFE WALKS
 City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 9-10 = 2,909'
 RW Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$246,460

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 5-6 = 990'
 RW Acquisition: \$5,900
 Utility Relocation: 0
 Project Estimate: \$93,864

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OPERATION SAFEWALKS

Joyce Avenue from Denune Avenue to Agler Road



LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▤ School
● DOS_Water_Dist		★ COTA Bus Stop (April 2007)
● Net_Net_Junctions		● Transformer
● DOS_SewerManhole		■ Streetlight
- - - Primary Overhead Conductor		
- - - Secondary Overhead Conductor		

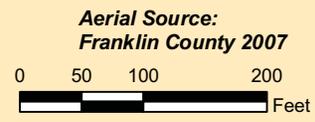


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 9-10 = 2,909'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$246,460

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 5-6 = 990'
 R/W Acquisition: \$5,900
 Utility Relocation: 0
 Project Estimate: \$93,864

Page 2 of 2





Picture is directed north approximately 700 feet north of Denune Avenue. Sidewalk could be placed immediately behind curb. Right of Way appears ample and utility relocations not anticipated.



Picture is directed north approximately 1100 feet north of Denune Avenue. Sidewalk could be placed immediately behind curb. Right of Way appears ample and utility relocations not anticipated if pole can be left in walk, or walk shifted.



Picture is directed north approximately 300 feet south of Agler Avenue. Sidewalk could be placed immediately behind curb. Right of Way appears ample and utility relocations not anticipated.



Picture is directed north at Agler Avenue. Sidewalk could be placed immediately behind curb. Right of Way appears ample, except the southeast corner lot will require R/W for grading and curb ramp placement. Possibly a low wall may avoid Right of Way need.



OPERATION SAFEWALKS - Joyce Avenue (Denune Avenue to Agler Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(9/10)	Joyce Avenue (Denune Avenue to Agler Road)	Arterial	2909	5	26	50	12' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	street lights exists, but relocation not anticipated	\$0	\$197,168	\$246,480	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear
NE	(5/6)	Joyce Avenue (Denune Avenue to Agler Road)	Arterial	990	5	26	50	12' (L&R)	curbed section - N/A	None apparent	4	0	0	1	\$5,900	street lights exists / design will need to consider SE corner at Agler	\$0	\$70,371	\$93,864	No	Right of Way will be needed on the SE corner of Joyce and Agler

Joyce Avenue (Denune Avenue to Agler Road)		QUAD	PRIORITY	
		NE	(9/10)	
General Estimating Data				
Street Classification	Arterial			
Priority Length (ft)	2909			
Anticipated Sidewalk width	5			
Number of intersection quadrants	3	ea		
Number of alleys	3	ea		
Number of curb ramps	12	ea		
Number of driveways	27	ea		
Square feet of driveways (SQ FT)	2700	sq ft		
square feet of sidewalk (SQ FT)	14545	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	Yes			
Proposed sidewalk typical (see exhibit 3)	4			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	538.70	CU. YD.	20.00
EMBANKMENT	203	107.74	CU. YD.	20.00
SUBGRADE COMPACTION	204	1918.11	SQ. YD.	2.00
8" CONCRETE WALK	608	1200	SQ. FT.	9.00
4" CONCRETE WALK	608	13345	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	482	300	SQ. YD.	40.00
CURE RAMPS	608	12	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	12	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
SIDEWALK SUBTOTAL				\$135,331.11
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2909	LIN. FT.	2.50
SEEDING AND MULCHING	659	1616.11	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$13,736.94
MISCELLANEOUS (PRORATED)				
MAINTAINING TRAFFIC	614	1	LUMP	9,326.11
FIELD OFFICE	619	1	LUMP	3,730.44
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,730.44
MOBILIZATION	624	1	LUMP	5,596.67
MISCELLANEOUS SUBTOTAL				\$22,382.66
Project Subtotal				\$171,450.72
15% Project Contingencies				\$25,717.61
Opinion of Probable Construction Cost				\$197,168.33
Force Account (10% of Subtotal)				\$19,716.83
Engineering Design Services (15% of Subtotal)				\$29,575.25
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$246,460.41

Joyce Avenue (Denune Avenue to Agler Road)		QUAD	PRIORITY	
		NE	(5/6)	
General Estimating Data				
Street Classification	Arterial			
Priority Length (ft)	990			
Anticipated Sidewalk width	5			
Number of intersection quadrants	1	ea		
Number of alleys	1	ea		
Number of curb ramps	4	ea		
Number of driveways	12	ea		
Square feet of driveways (SQ FT)	1200	sq ft		
square feet of sidewalk (SQ FT)	4950	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	4			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	183.33	CU. YD.	20.00
EMBANKMENT	203	36.67	CU. YD.	20.00
SUBGRADE COMPACTION	204	683.33	SQ. YD.	2.00
8" CONCRETE WALK	608	400	SQ. FT.	9.00
4" CONCRETE WALK	608	4550	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	482	133	SQ. YD.	40.00
CURE RAMPS	608	4	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	4	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00
SIDEWALK SUBTOTAL				\$48,900.00
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	990	LIN. FT.	2.50
SEEDING AND MULCHING	659	550.00	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$4,675.00
MISCELLANEOUS				
MAINTAINING TRAFFIC	614	1	LUMP	3,173.89
FIELD OFFICE	619	1	LUMP	1,269.58
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,269.58
MOBILIZATION	624	1	LUMP	1,904.33
MISCELLANEOUS SUBTOTAL				\$7,617.34
Project Subtotal				\$61,192.34
15% Project Contingencies				\$9,178.85
Opinion of Probable Construction Cost				\$70,371.19
Force Account (10% of Subtotal)				\$7,037.12
Engineering Design Services (15% of Subtotal)				\$10,555.68
Right of Way Acquisition				\$5,900.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$93,863.99

OPERATION SAFEWALKS

5th Avenue from St. Clair Avenue to Joyce Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	Transformer	Streetlight
DOS_SewerManhole	Railroad	
Primary Overhead Conductor		
Secondary Overhead Conductor		

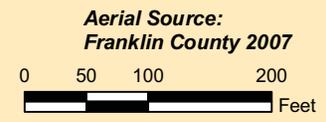


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 1,242'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$120,418

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 1,842'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$198,368

Page 1 of 3



OPERATION SAFEWALKS

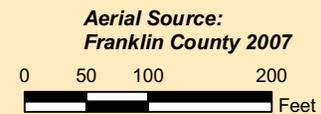
5th Avenue from St. Clair Avenue to Joyce Avenue



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 1,242'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$120,418

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 1,842'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$198,368



OPERATION SAFEWALKS

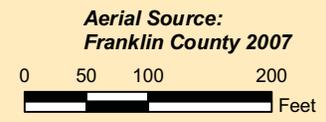
5th Avenue from St. Clair Avenue to Joyce Avenue



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 7-8: 1,242'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$120,418

PROJECT SUMMARY
 Quadrant: NE
 Project Length: 5-6: 1,842'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$198,368





Picture is directed west at railroad underpass. Seven foot sidewalk width appears not available w/o bridge widening. Estimate does not include bridge widening as a smaller width assumed to be OK in this situation.



Picture is directed east just east of railroad overpass – walk could be placed directly next to curb and drainage should be able to drain over walk into street - Utilities appear clear - Recommend NO to QTC because of the poor condition of 5th Avenue.



Picture is directed east just west of 23rd Street – walk could be placed directly next to curb and drainage should be able to drain over walk into street - Recommend NO to QTC because of the poor condition of 5th Avenue.



Picture is directed east on the west side of the railroad overpass – existing north sidewalk in very poor condition. South sidewalk area may not be able to achieve desired 7' width due to retaining wall and bridge structure constraints.



OPERATION SAFEWALKS - 5th Avenue (St Clair Avenue to Joyce Avenue)

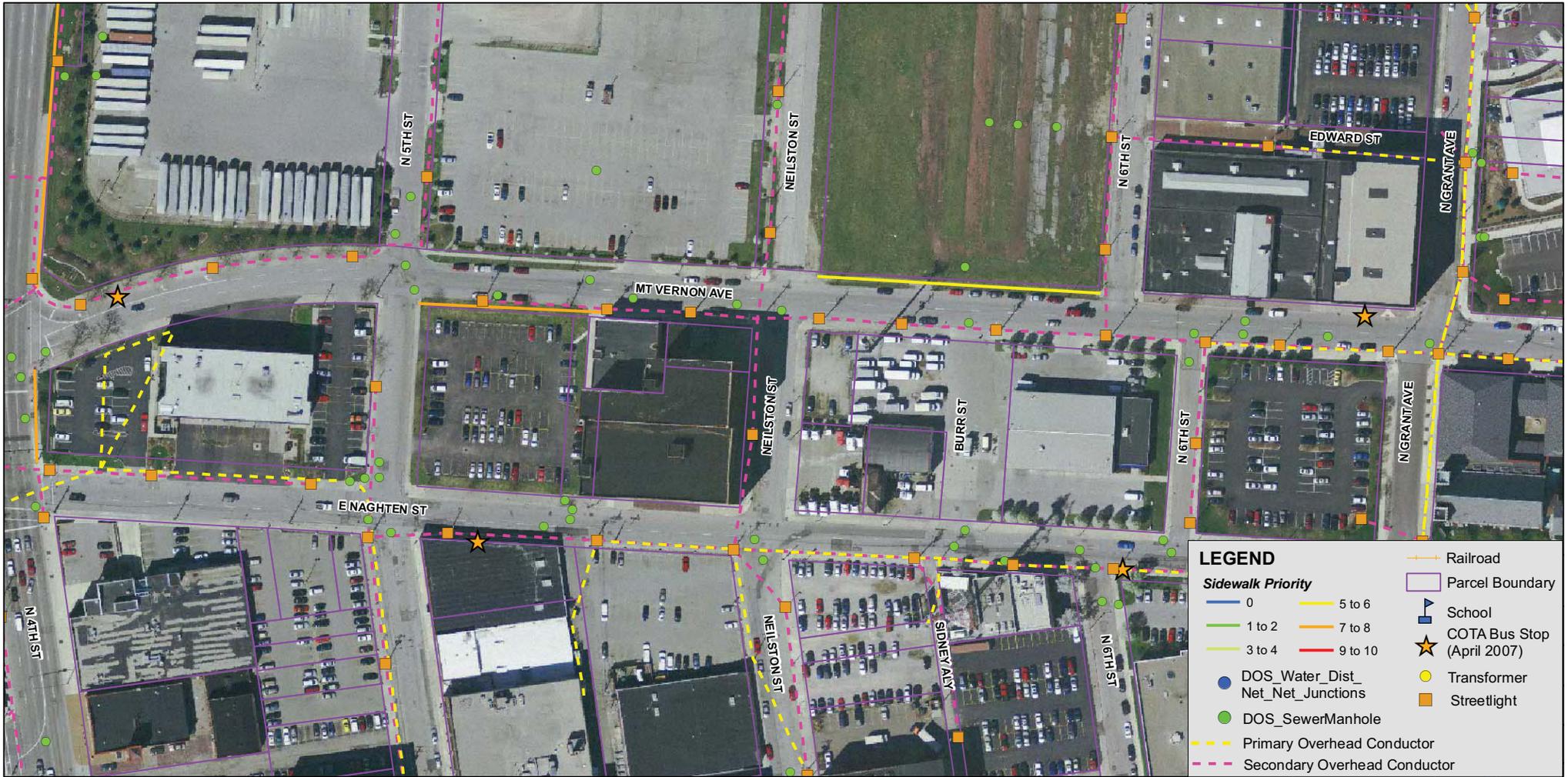
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	5th Avenue (St Clair Avenue to Joyce Avenue)	Arterial (4-2D)	1242	7	56	Varies - 80' minimum	Varies - (12' L & R Min)	curbed section - N/A	None apparent	2	0	0	0	\$0	None anticipated	\$0	\$96,335	\$120,418	No	R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend NO to QTC because of the poor condition of 5th Avenue. Also, 7' sidewalk width at Bridge appears not available w/o bridge widening. \$ for bridge widening hasn't been considered because a smaller width assumed to be OK in this situation
NE	(5/6)	5th Avenue (St Clair Avenue to Joyce Avenue)	Arterial (4-2D)	1842	7	56	80'	12 (L & R)	curbed section - N/A	None apparent	2	0	0	0	\$0	None anticipated	\$0	\$158,694	\$198,368	No	R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend NO to QTC because of the poor condition of 5th Avenue. Also, 7' sidewalk width at Bridge appears not available w/o bridge widening. \$ for bridge widening hasn't been considered because a smaller width assumed to be OK in this situation

5th Avenue (St Clair Avenue to Joyce Avenue)						QUAD	PRIORITY
						NE	(7/8)
General Estimating Data							
Street Classification	Arterial (4-2D)						
Priority Length (ft)	1242	if					
Anticipated Sidewalk width	7	if					
Number of intersection quadrants	0	ea					
Number of alleys	0	ea					
Number of curb ramps	0	ea					
Number of driveways	4	ea					
Square feet of driveways (SQ FT)	400	sq ft					
square feet of sidewalk (SQ FT)	6694	sq ft					
retaining wall estimate greater than 4 ft in height	0	if					
retaining wall estimate less than 4 ft in height	0	if					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	2						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	322.00	CU. YD.	20.00	6,440.00		
EMBANKMENT	203	46.00	CU. YD.	20.00	920.00		
SUBGRADE COMPACTION	204	1010.44	SQ. YD.	2.00	2,020.89		
8" CONCRETE WALK	608	0	SQ. FT.	9.00	0.00		
4" CONCRETE WALK	608	8694	SQ. FT.	6.00	52,164.00		
CONCRETE DRIVEWAY APRONS	452	44	SQ. YD.	40.00	1,777.78		
CURB RAMPS	608	0	EACH	700.00	0.00		
NEW DETECTABLE WARNING	SS1851	0	EACH	400.00	0.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
					SIDEWALK SUBTOTAL	\$65,822.67	
EROSION CONTROL							
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1242	LIN. FT.	2.50	3,105.00		
SEEDING AND MULCHING	659	690.00	SQ. YD.	4.00	2,760.00		
					EROSION CONTROL SUBTOTAL	\$5,865.00	
MISCELLANEOUS (PRORATED)							
MAINTAINING TRAFFIC	614	1	LUMP	5,034.05	5,034.05		
FIELD OFFICE	619	1	LUMP	2,013.62	2,013.62		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,013.62	2,013.62		
MOBILIZATION	624	1	LUMP	3,020.43	3,020.43		
					MISCELLANEOUS SUBTOTAL	\$12,081.71	
					Project Subtotal	\$63,769.38	
					15% Project Contingencies	\$12,565.41	
					Opinion of Probable Construction Cost	\$96,334.79	
					Force Account (10% of Subtotal)	\$9,633.48	
					Engineering Design Services (15% of Subtotal)	\$14,450.22	
					Right of Way Acquisition	\$0.00	
					Utility Relocation	\$0.00	
					PROJECT ESTIMATE	\$120,418.48	

5th Avenue (St Clair Avenue to Joyce Avenue)						QUAD	PRIORITY
						NE	(5/6)
General Estimating Data							
Street Classification	Arterial (4-2D)						
Priority Length (ft)	1842	if					
Anticipated Sidewalk width	7	if					
Number of intersection quadrants	5	ea					
Number of alleys	0	ea					
Number of curb ramps	10	ea					
Number of driveways	8	ea					
Square feet of driveways (SQ FT)	800	sq ft					
square feet of sidewalk (SQ FT)	12894	sq ft					
retaining wall estimate greater than 4 ft in height	0	if					
retaining wall estimate less than 4 ft in height	0	if					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	2						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	477.56	CU. YD.	20.00	9,551.11		
EMBANKMENT	203	66.22	CU. YD.	20.00	1,364.44		
SUBGRADE COMPACTION	204	1621.56	SQ. YD.	2.00	3,043.11		
8" CONCRETE WALK	608	1000	SQ. FT.	9.00	9,000.00		
4" CONCRETE WALK	608	11894	SQ. FT.	6.00	71,364.00		
CONCRETE DRIVEWAY APRONS	452	89	SQ. YD.	40.00	3,555.56		
CURB RAMPS	608	10	EACH	700.00	7,000.00		
NEW DETECTABLE WARNING	SS1851	10	EACH	400.00	4,000.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
					SIDEWALK SUBTOTAL	\$111,378.22	
EROSION CONTROL							
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1842	LIN. FT.	2.50	4,605.00		
SEEDING AND MULCHING	659	1023.33	SQ. YD.	4.00	4,093.33		
					EROSION CONTROL SUBTOTAL	\$8,698.33	
MISCELLANEOUS							
MAINTAINING TRAFFIC	614	1	LUMP	7,465.95	7,465.95		
FIELD OFFICE	619	1	LUMP	2,986.38	2,986.38		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,986.38	2,986.38		
MOBILIZATION	624	1	LUMP	4,479.57	4,479.57		
					MISCELLANEOUS SUBTOTAL	\$17,918.29	
					Project Subtotal	\$137,994.84	
					15% Project Contingencies	\$20,699.23	
					Opinion of Probable Construction Cost	\$158,694.07	
					Force Account (10% of Subtotal)	\$15,869.41	
					Engineering Design Services (15% of Subtotal)	\$23,804.11	
					Right of Way Acquisition	\$0.00	
					Utility Relocation	\$0.00	
					PROJECT ESTIMATE	\$198,367.59	

OPERATION SAFEWALKS

Mount Vernon Avenue from 5th Street to 6th Street



LEGEND

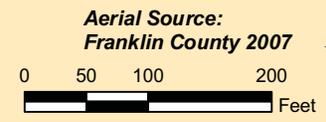
0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist	Transformer
Net_Net_Junctions	Streetlight	DOS_SewerManhole	
Primary Overhead Conductor		Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8: 196'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$36,077

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6: 298'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$54,912





Picture is directed east just east of 5th Street. Right of Way appears ample and walk could be placed with a buffer behind the existing curb. Drainage should be able to drain over walk into street and utilities appear clear - Recommend QTC.



Picture is directed east just east of Nelson Street. Right of Way appears ample and walk could be placed with a buffer behind the existing curb. Drainage should be able to drain over walk into street and utilities appear clear - Recommend QTC.



Picture is directed east just east of Nelson Street. Right of Way appears ample and walk could be placed with a buffer behind the existing curb. Drainage should be able to drain over walk into street and utilities appear clear - Recommend QTC.



Picture is directed east at 6th Street. Right of Way appears ample and walk could be placed with a buffer behind the existing curb. Drainage should be able to drain over walk into street and utilities appear clear - Recommend QTC.



OPERATION SAFEWALKS - Mount Vernon Avenue (5th Street to 6th Street)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/6)	Mount Vernon Avenue (5th Street to 6th Street)	Arterial (2-1)	196	5	36	60	12' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$28,862	\$36,077	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC
NE	(5/6)	Mount Vernon Avenue (5th Street to 6th Street)	Arterial (2-1)	298	5	36	60	12' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$43,930	\$54,912	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC

Mount Vernon Avenue (5th Street to 6th Street)		QUAD	PRIORITY	
		NE	(7/6)	
General Estimating Data				
Street Classification	Arterial (2-1)			
Priority Length (ft)	196	if		
Anticipated Sidewalk width	5	if		
Number of intersection quadrants	1	ea		
Number of alleys	0	ea		
Number of curb ramps	2	ea		
Number of driveways	0	ea		
Square feet of driveways (SQ FT)	0	sq ft		
square feet of sidewalk (SQ FT)	980	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	Yes			
Proposed sidewalk typical (see exhibit 3)	4			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	36.30	CU. YD.	725.93
EMBANKMENT	203	7.26	CU. YD.	145.19
SUBGRADE COMPACTION	204	108.89	SQ. YD.	217.78
8" CONCRETE WALK	608	200	SQ. FT.	1,800.00
4" CONCRETE WALK	608	790	SQ. FT.	4,680.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00
CURE RAMPS	608	2	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	2	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
SIDEWALK SUBTOTAL				\$12,288.89
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	198	LIN. FT.	490.00
SEEDING AND MULCHING	659	108.89	SQ. YD.	435.56
EROSION CONTROL SUBTOTAL				\$925.56
MISCELLANEOUS (PRORATED)				
MAINTAINING TRAFFIC	614	1	LUMP	4,959.51
FIELD OFFICE	619	1	LUMP	1,983.81
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,983.81
MOBILIZATION	624	1	LUMP	2,975.71
MISCELLANEOUS SUBTOTAL				\$11,902.83
Project Subtotal				\$25,097.28
15% Project Contingencies				\$3,764.59
Opinion of Probable Construction Cost				\$28,861.87
Force Account (10% of Subtotal)				\$2,886.19
Engineering Design Services (15% of Subtotal)				\$4,329.28
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$36,077.34

Mount Vernon Avenue (5th Street to 6th Street)		QUAD	PRIORITY	
		NE	(5/6)	
General Estimating Data				
Street Classification	Arterial (2-1)			
Priority Length (ft)	298	if		
Anticipated Sidewalk width	5	if		
Number of intersection quadrants	2	ea		
Number of alleys	0	ea		
Number of curb ramps	4	ea		
Number of driveways	0	ea		
Square feet of driveways (SQ FT)	0	sq ft		
square feet of sidewalk (SQ FT)	1490	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	Yes			
Proposed sidewalk typical (see exhibit 3)	4			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	55.19	CU. YD.	1,103.70
EMBANKMENT	203	11.04	CU. YD.	220.74
SUBGRADE COMPACTION	204	165.56	SQ. YD.	331.11
8" CONCRETE WALK	608	400	SQ. FT.	3,600.00
4" CONCRETE WALK	608	1090	SQ. FT.	6,540.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00
CURE RAMPS	608	4	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	4	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00
SIDEWALK SUBTOTAL				\$18,695.56
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	298	LIN. FT.	745.00
SEEDING AND MULCHING	659	165.56	SQ. YD.	662.22
EROSION CONTROL SUBTOTAL				\$1,407.22
MISCELLANEOUS				
MAINTAINING TRAFFIC	614	1	LUMP	7,540.49
FIELD OFFICE	619	1	LUMP	3,016.19
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,016.19
MOBILIZATION	624	1	LUMP	4,524.29
MISCELLANEOUS SUBTOTAL				\$18,097.17
Project Subtotal				\$38,199.94
15% Project Contingencies				\$5,729.99
Opinion of Probable Construction Cost				\$43,929.94
Force Account (10% of Subtotal)				\$4,392.99
Engineering Design Services (15% of Subtotal)				\$6,589.49
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$54,912.42

OPERATION SAFEWALKS

Hudson Street from Cleveland Avenue to Parkwood Avenue, Joyce Avenue from Kenmore Road to Hudson Street



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Railroad
Sidewalk Priority 1 to 2	Sidewalk Priority 9 to 10	Parcel Boundary	School
Sidewalk Priority 3 to 4		COTA Bus Stop (April 2007)	Transformer
DOS_Water_Dist		Streetlight	
Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

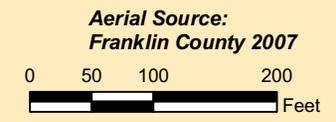
PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8 = 1,148'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$127,221

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 4,143'

R/W Acquisition: \$52,471
Utility Relocation: 0
Project Estimate: \$496,500

Page 1 of 2
ME COMPANIES



OPERATION SAFEWALKS

Hudson Street from Cleveland Avenue to Parkwood Avenue, Joyce Avenue from Kenmore Road to Hudson Street



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8 = 1,148'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$127,221

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 4,143'

R/W Acquisition: \$52,471
Utility Relocation: 0
Project Estimate: \$496,500

Page 2 of 2



Aerial Source:
Franklin County 2007





Picture is directed west just west of Bancroft Street. Sidewalk could be placed outside of shoulder area, or further away to satisfy clear zone requirements. Drainage design will need to be considered. Utility relocations not anticipated.



R/W will be required at various locations to place walk. One example is at the SE corner of Joyce and Hudson Street.



Picture is directed east approximately 500' west of Parkwood Avenue. Sidewalk could be placed outside of shoulder area, or further away to satisfy clear zone requirements. Drainage design will need to be considered. Utility relocations not anticipated.



R/W will be required at various locations to place walk. One example is at the NW corner of Parkwood Avenue and Hudson Street.



OPERATION SAFEWALKS - Hudson Street (Cleveland Avenue to Parkwood Avenue), Joyce Avenue (Kenmore Road to Hudson Street)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Hudson Street (Cleveland Avenue to Parkwood Avenue), Joyce Avenue (Kenmore Road to Hudson Street)	Arterial (C)	1148	7	Hudson St Varies from 22' to 30' Joyce 22'	Hudson St 60' - Joyce Avenue 60'	Varies - Hudson 15' min, Joyce 19' min	Possibly if drainage design accommodated and additional R/W purchased	None apparent	1	0	0	0	\$0	pole line exists both sides of road, but relocation not anticipated	\$0	\$101,777	\$127,221	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for drainage. Recommend NO to QTC because plans will be needed to maintain drainage.
NE	(5/6)	Hudson Street (Cleveland Avenue to Parkwood Avenue), Joyce Avenue (Kenmore Road to Hudson Street)	Arterial (C)	4143	7	Hudson St Varies from 22' to 30' Joyce 22'	Hudson St 60' - Joyce Avenue 60'	Varies - Hudson 15' min, Joyce 19' min	Possibly if drainage design accommodated and additional R/W purchased	None apparent	1	0	0	6	\$52,471	pole line exists both sides of road, but relocation not anticipated	\$0	\$355,224	\$496,500	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for drainage. Some R/W will be required. Recommend NO to QTC because R/W required and plans will be needed to maintain drainage.

Hudson Street (Cleveland Avenue to Parkwood Avenue), Joyce Avenue (Kenmore Road to Hudson Street)					QUAD	PRIORITY
					NE	(7/8)
General Estimating Data						
Street Classification	Arterial (C)					
Priority Length (ft)	1148	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	5	ea				
Number of alleys	0	ea				
Number of curb ramps	10	ea				
Number of driveways	7	ea				
Square feet of driveways (SQ FT)	700	sq ft				
square feet of sidewalk (SQ FT)	6036	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	297.63	CU YD.	20.00	5,952.59	
EMBANKMENT	203	42.52	CU YD.	20.00	850.37	
SUBGRADE COMPACTION	204	970.87	SQ YD.	2.00	1,941.33	
8" CONCRETE WALK	608	1000	SQ FT.	9.00	9,000.00	
4" CONCRETE WALK	608	7036	SQ FT.	6.00	42,216.00	
CONCRETE DRIVEWAY APRONS	452	78	SQ YD.	40.00	3,111.11	
CURE RAMPS	608	10	BACH	700.00	7,000.00	
NEW/DETECTABLE WARNING	SS1851	10	EACH	400.00	4,000.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
				SIDEWALK SUBTOTAL	\$76,571.41	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1148	LIN. FT.	2.50	2,870.00	
SEEDING AND MULCHING	659	637.78	SQ. YD.	4.00	2,551.11	
				EROSION CONTROL SUBTOTAL	\$5,421.11	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	2,712.15	2,712.15	
FIELD OFFICE	619	1	LUMP	1,084.86	1,084.86	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,084.86	1,084.86	
MOBILIZATION	624	1	LUMP	1,627.29	1,627.29	
				MISCELLANEOUS SUBTOTAL	\$6,509.17	
				Project Subtotal	\$88,501.69	
				15% Project Contingencies	\$13,275.25	
				Opinion of Probable Construction Cost	\$101,776.94	
				Force Account (10% of Subtotal)	\$10,177.69	
				Engineering Design Services (15% of Subtotal)	\$15,266.54	
				Right of Way Acquisition	\$0.00	
				Utility Relocation	\$0.00	

Hudson Street (Cleveland Avenue to Parkwood Avenue), Joyce Avenue (Kenmore Road to Hudson Street)					QUAD	PRIORITY
					NE	(5/6)
General Estimating Data						
Street Classification	Arterial (C)					
Priority Length (ft)	4143	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	16	ea				
Number of alleys	0	ea				
Number of curb ramps	32	ea				
Number of driveways	29	ea				
Square feet of driveways (SQ FT)	2900	sq ft				
square feet of sidewalk (SQ FT)	29001	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	1074.11	CU YD.	20.00	21,482.22	
EMBANKMENT	203	153.44	CU YD.	20.00	3,068.89	
SUBGRADE COMPACTION	204	3544.56	SQ YD.	2.00	7,089.11	
8" CONCRETE WALK	608	3200	SQ FT.	9.00	28,800.00	
4" CONCRETE WALK	608	25601	SQ FT.	6.00	154,806.00	
CONCRETE DRIVEWAY APRONS	452	322	SQ YD.	40.00	12,886.89	
CURE RAMPS	608	32	BACH	700.00	22,400.00	
NEW/DETECTABLE WARNING	SS1851	32	EACH	400.00	12,800.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
				SIDEWALK SUBTOTAL	\$268,835.11	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	4143	LIN. FT.	2.50	10,357.50	
SEEDING AND MULCHING	659	2301.67	SQ. YD.	4.00	9,206.67	
				EROSION CONTROL SUBTOTAL	\$19,564.17	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	9,787.85	9,787.85	
FIELD OFFICE	619	1	LUMP	3,915.14	3,915.14	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,915.14	3,915.14	
MOBILIZATION	624	1	LUMP	5,872.71	5,872.71	
				MISCELLANEOUS SUBTOTAL	\$23,490.83	
				Project Subtotal	\$308,890.11	
				15% Project Contingencies	\$46,333.52	
				Opinion of Probable Construction Cost	\$355,223.63	
				Force Account (10% of Subtotal)	\$35,522.36	
				Engineering Design Services (15% of Subtotal)	\$53,283.54	
				Right of Way Acquisition	\$52,470.71	
				Utility Relocation	\$0.00	

OPERATION SAFEWALKS

Joyce Avenue from 12th Avenue to Kenmore Road, 17th Avenue from Billiter Boulevard to Joyce Avenue



LEGEND

0	5 to 6	Parcel Boundary
1 to 2	7 to 8	School
3 to 4	9 to 10	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	Transformer	Streetlight
DOS_SewerManhole		
Primary Overhead Conductor	Railroad	
Secondary Overhead Conductor		

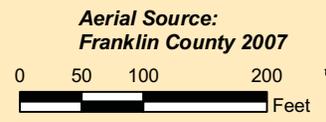


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8 = 568'
R/W Acquisition: \$6,557
Utility Relocation: 0
Project Estimate: \$76,297

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 10,875'
R/W Acquisition: \$98,348
Utility Relocation: 0
Project Estimate: \$1,167,751

PROJECT SUMMARY
Quadrant: NE
Project Length: 3-4 = 2,440'
R/W Acquisition: \$18,651
Utility Relocation: 0
Project Estimate: \$260,768



OPERATION SAFEWALKS

Joyce Avenue from 12th Avenue to Kenmore Road, 17th Avenue from Billiter Boulevard to Joyce Avenue



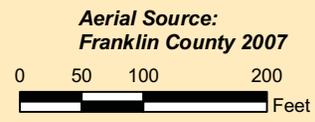
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Public Service Department
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Project Length: 3-4 = 2,440'
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Page 2 of 5



OPERATION SAFEWALKS

Joyce Avenue from 12th Avenue to Kenmore Road, 17th Avenue from Billiter Boulevard to Joyce Avenue



LEGEND

0	5 to 6	7 to 8	Parcel Boundary
1 to 2	9 to 10	School	COTA Bus Stop (April 2007)
3 to 4	DOS_Water_Dist_Net_Net_Junctions	Transformer	Streetlight
DOS_SewerManhole	Primary Overhead Conductor	Secondary Overhead Conductor	Railroad



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8 = 568'

R/W Acquisition: \$6,557
Utility Relocation: 0
Project Estimate: \$76,297

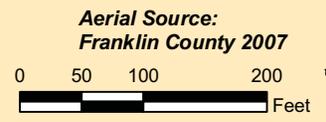
PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 10,875'

R/W Acquisition: \$98,348
Utility Relocation: 0
Project Estimate: \$1,167,751

PROJECT SUMMARY
Quadrant: NE
Project Length: 3-4 = 2,440'

R/W Acquisition: \$18,651
Utility Relocation: 0
Project Estimate: \$260,768

Page 3 of 5



OPERATION SAFEWALKS

Joyce Avenue from 12th Avenue to Kenmore Road, 17th Avenue from Billiter Boulevard to Joyce Avenue



LEGEND

	0		5 to 6		Railroad
	1 to 2		7 to 8		Parcel Boundary
	3 to 4		9 to 10		School
	DOS_Water_Dist_Net_Net_Junctions		COTA Bus Stop (April 2007)		Transformer
	DOS_SewerManhole		Streetlight		Primary Overhead Conductor
	Secondary Overhead Conductor				



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
Project Length: 7-8 = 568'

R/W Acquisition: \$6,557
Utility Relocation: 0
Project Estimate: \$76,297

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 10,875'

R/W Acquisition: \$98,348
Utility Relocation: 0
Project Estimate: \$1,167,751

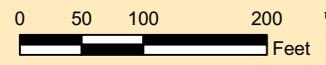
PROJECT SUMMARY
Quadrant: NE
Project Length: 3-4 = 2,440'

R/W Acquisition: \$18,651
Utility Relocation: 0
Project Estimate: \$260,768

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Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Joyce Avenue from 12th Avenue to Kenmore Road, 17th Avenue from Billiter Boulevard to Joyce Avenue



LEGEND

Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Light Green line)
- 5 to 6 (Yellow line)
- 7 to 8 (Orange line)
- 9 to 10 (Red line)

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle icon)
- Streetlight (Orange square icon)
- DOS Water_Dist_Net_Net_Junctions (Blue circle icon)
- DOS_SewerManhole (Green circle icon)
- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NE
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R/W Acquisition: \$6,557
Utility Relocation: 0
Project Estimate: \$76,297

PROJECT SUMMARY
Quadrant: NE
Project Length: 5-6 = 10,875'

R/W Acquisition: \$98,348
Utility Relocation: 0
Project Estimate: \$1,167,751

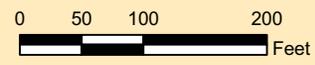
PROJECT SUMMARY
Quadrant: NE
Project Length: 3-4 = 2,440'

R/W Acquisition: \$18,651
Utility Relocation: 0
Project Estimate: \$260,768

Page 5 of 5



Aerial Source:
Franklin County 2007





Picture is directed east on 17th Avenue approximately 400 feet west of Joyce Avenue. Sidewalk could be placed behind drainage ditch on both sides. Right of Way appears ample and utility relocations not anticipated.



Picture is directed north and is intended to generally show the drainage challenges in various locations along the project limits. Possibly the walk project should be combined with a DOSD project in circumstances such as these. The cost estimate does not include significant drainage provisions.



Picture is directed north just north of 12th Avenue. Culvert widening will be required.



Picture is directed south and is intended to generally show the drainage challenges in various locations along the project limits. Possibly the walk project should be combined with a DOSD project in circumstances such as these. The cost estimate does not include significant drainage provisions.



OPERATION SAFEWALKS - Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NE	(7/8)	Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)	Arterial (C)	568	7	varies 24' - 36'	East 17th Avenue - 60'	Varies - 12' min	Not without additional R/W	None apparent	1	0	0	1	\$6,557	pole line exists, but relocation not anticipated	\$0	\$55,792	\$76,297	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for drainage. Some R/W will be required. Recommend NO to QTC because R/W required and plans will be needed to maintain drainage.
NE	(5/6)	Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)	Arterial (C)	10875	7	24	Joyce Avenue 60'-70' in (5/6) limit	Varies - 18' min	Not without additional R/W	None apparent	1	0	0	15	\$98,348	pole line exists, but relocation not anticipated	\$0	\$855,522	\$1,167,751	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for drainage. Some R/W will be required, mainly corner clips. Recommend NO to QTC because R/W required and plans will be needed to maintain drainage.
NE	(3/4)	Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)	Arterial (C)	2440	7	24'	Joyce Avenue 60' in (3/4) limit	18' LT & RT	Not without additional R/W	None apparent	1	0	0	4	\$18,651	pole line exists, but relocation not anticipated	\$0	\$193,694	\$260,768	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for drainage. Culvert will need widened just north of 12th street - R/W will be required. Recommend NO to QTC because R/W & drainage plans will be needed.

Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)						QUAD	PRIORITY
General Estimating Data						NE	(7/8)
Street Classification	Arterial (C)						
Priority Length (ft)	568	ft					
Anticipated Sidewalk width	7	ft					
Number of intersection quadrants	5	ea					
Number of alleys	0	ea					
Number of curb ramps	10	ea					
Number of driveways	0	ea					
Square feet of driveways (SQ FT)	0	sq ft					
square feet of sidewalk (SQ FT)	3978	sq ft					
retaining wall estimate greater than 4 ft in height	0	ft					
retaining wall estimate less than 4 ft in height	0	ft					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	1						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	147.26	CU. YD.	20.00	2,945.19		
EMBANKMENT	203	21.04	CU. YD.	20.00	420.74		
SUBGRADE COMPACTION	204	441.78	SQ. YD.	2.00	883.56		
8" CONCRETE WALK	608	1000	SQ. FT.	9.00	9,000.00		
4" CONCRETE WALK	608	2978	SQ. FT.	6.00	17,868.00		
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00		
CURB RAMPS	608	10	EACH	700.00	7,000.00		
NEW-DETECTABLE WARNING	SS1651	10	EACH	400.00	4,000.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	16,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
SIDEWALK SUBTOTAL					\$44,605.48		
EROSION CONTROL							
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	568	LIN. FT.	2.50	1,420.00		
SEEDING AND MULCHING	659	315.56	SQ. YD.	4.00	1,262.22		
EROSION CONTROL SUBTOTAL					\$2,682.22		
MISCELLANEOUS (PRORATED)							
MAINTAINING TRAFFIC	614	1	LUMP	511.42	511.42		
FIELD OFFICE	619	1	LUMP	204.57	204.57		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	204.57	204.57		
MOBILIZATION	624	1	LUMP	306.85	306.85		
MISCELLANEOUS SUBTOTAL					\$1,227.40		
Project Subtotal					\$48,515.10		
15% Project Contingencies					\$7,277.27		
Opinion of Probable Construction Cost					\$55,792.37		
Force Account (10% of Subtotal)					\$5,579.24		
Engineering Design Services (15% of Subtotal)					\$8,368.86		
Right of Way Acquisition					\$6,556.57		
Utility Relocation					\$0.00		
PROJECT ESTIMATE					\$76,297.03		

Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)						QUAD	PRIORITY
General Estimating Data						NE	(5/6)
Street Classification	Arterial (C)						
Priority Length (ft)	10875	ft					
Anticipated Sidewalk width	7	ft					
Number of intersection quadrants	30	ea					
Number of alleys	0	ea					
Number of curb ramps	60	ea					
Number of driveways	31	ea					
Square feet of driveways (SQ FT)	3100	sq ft					
square feet of sidewalk (SQ FT)	78125	sq ft					
retaining wall estimate greater than 4 ft in height	0	ft					
retaining wall estimate less than 4 ft in height	0	ft					
Estimate of signal upgrades	2	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	1						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	2819.44	CU. YD.	20.00	56,388.69		
EMBANKMENT	203	402.78	CU. YD.	20.00	8,055.59		
SUBGRADE COMPACTION	204	8802.78	SQ. YD.	2.00	17,605.56		
8" CONCRETE WALK	608	6000	SQ. FT.	9.00	54,000.00		
4" CONCRETE WALK	608	70125	SQ. FT.	6.00	420,750.00		
CONCRETE DRIVEWAY APRONS	452	344	SQ. YD.	40.00	13,777.78		
CURB RAMPS	608	60	EACH	700.00	42,000.00		
NEW-DETECTABLE WARNING	SS1651	60	EACH	400.00	24,000.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	2	EACH	16,000.00	30,000.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
SIDEWALK SUBTOTAL					\$666,077.78		
EROSION CONTROL							
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	10875	LIN. FT.	2.50	27,187.50		
SEEDING AND MULCHING	659	6041.67	SQ. YD.	4.00	24,166.67		
EROSION CONTROL SUBTOTAL					\$51,354.17		
MISCELLANEOUS							
MAINTAINING TRAFFIC	614	1	LUMP	9,791.85	9,791.85		
FIELD OFFICE	619	1	LUMP	3,916.66	3,916.66		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,916.66	3,916.66		
MOBILIZATION	624	1	LUMP	5,874.99	5,874.99		
MISCELLANEOUS SUBTOTAL					\$23,499.66		
Project Subtotal					\$743,931.61		
15% Project Contingencies					\$110,889.796		
Opinion of Probable Construction Cost					\$855,521.69		
Force Account (10% of Subtotal)					\$85,552.17		
Engineering Design Services (15% of Subtotal)					\$110,889.796		
Right of Way Acquisition					\$98,348.48		
Utility Relocation					\$0.00		
PROJECT ESTIMATE					\$1,167,751.69		

Joyce Avenue (12th Avenue to Kenmore Road), 17th Avenue (Billiter Boulevard to Joyce Avenue)						QUAD	PRIORITY
General Estimating Data						NE	(3/4)
Street Classification	Arterial (C)						
Priority Length (ft)	2440	ft					
Anticipated Sidewalk width	7	ft					
Number of intersection quadrants	3	ea					
Number of alleys	0	ea					
Number of curb ramps	6	ea					
Number of driveways	0	ea					
Square feet of driveways (SQ FT)	0	sq ft					
square feet of sidewalk (SQ FT)	17080	sq ft					
retaining wall estimate greater than 4 ft in height	0	ft					
retaining wall estimate less than 4 ft in height	0	ft					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	1						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	632.58	CU. YD.	20.00	12,651.65		
EMBANKMENT	203	90.37	CU. YD.	20.00	1,807.41		
SUBGRADE COMPACTION	204	1897.78	SQ. YD.	2.00	3,795.56		
8" CONCRETE WALK	608	600	SQ. FT.	9.00	5,400.00		
4" CONCRETE WALK	608	16480	SQ. FT.	6.00	98,880.00		
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00		
CURB RAMPS	608	6	EACH	700.00	4,200.00		
NEW-DETECTABLE WARNING	SS1651	6	EACH	400.00	2,400.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	16,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	1	LUMP	20,000.00	20,000.00		
SIDEWALK SUBTOTAL					\$151,634.81		
EROSION CONTROL							
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2440	LIN. FT.	2.50	6,100.00		
SEEDING AND MULCHING	659	1355.56	SQ. YD.	4.00	5,422.22		
EROSION CONTROL SUBTOTAL					\$11,522.22		
MISCELLANEOUS							
MAINTAINING TRAFFIC	614	1	LUMP	2,196.93	2,196.93		
FIELD OFFICE	619	1	LUMP	878.77	878.77		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	878.77	878.77		
MOBILIZATION	624	1	LUMP	1,318.16	1,318.16		
MISCELLANEOUS SUBTOTAL					\$5,272.64		
Project Subtotal					\$168,433.67		
15% Project Contingencies					\$25,264.959		
Opinion of Probable Construction Cost					\$193,698.62		
Force Account (10% of Subtotal)					\$19,369.86		
Engineering Design Services (15% of Subtotal)					\$29,054.12		
Right of Way Acquisition					\$18,650.51		
Utility Relocation					\$0.00		
PROJECT ESTIMATE					\$260,768.16		

OPERATION SAFEWALKS

North Broadway from Kenny Road to Riverside Methodist Hospital



LEGEND

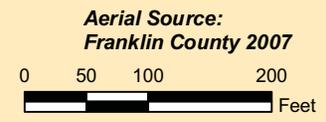
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 3,856'	PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 4,403'	PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 655'
R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$360,362	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$408,217	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$95,461

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ME COMPANIES



OPERATION SAFEWALKS

North Broadway from Kenny Road to Riverside Methodist Hospital



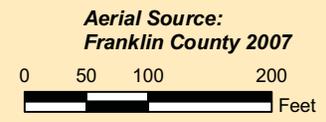
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 7-8: 3,856'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$360,362

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 5-6: 4,403'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$408,217

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 3-4: 655'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$95,461

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OPERATION SAFEWALKS

North Broadway from Kenny Road to Riverside Methodist Hospital



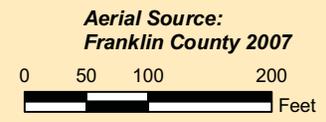
City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 7-8: 3,856'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$360,362

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 5-6: 4,403'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$408,217

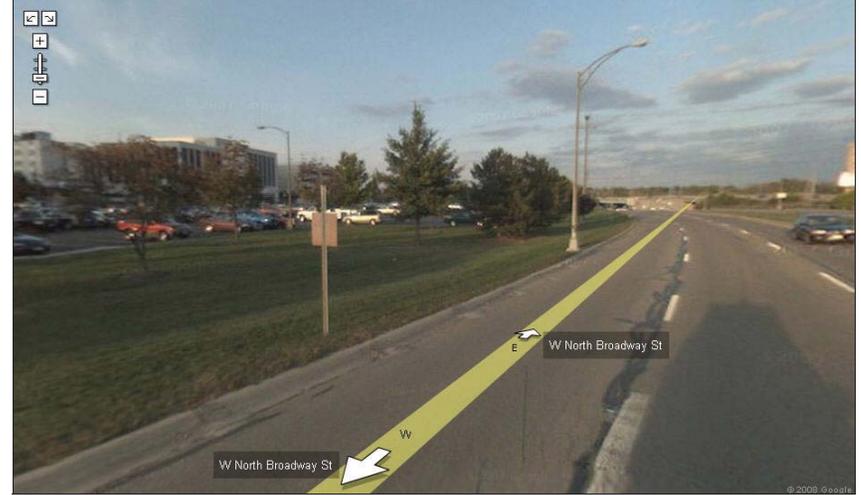
PROJECT SUMMARY
 Quadrant: NW
 Project Length: 3-4: 655'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$95,461

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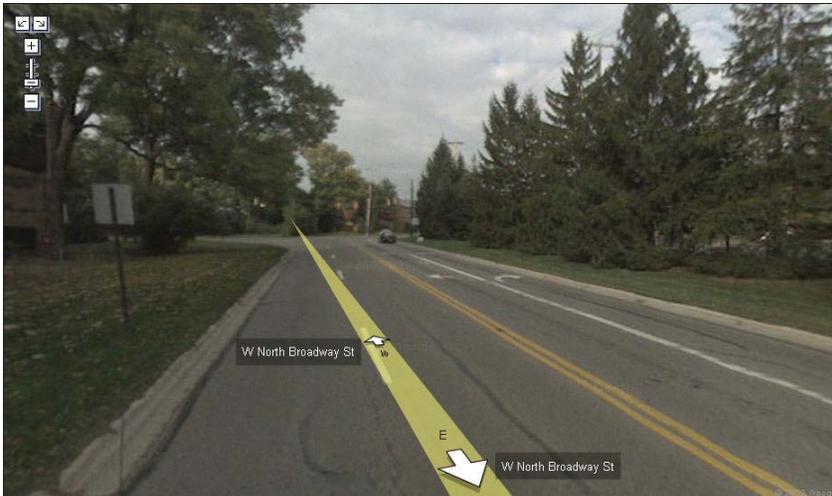




Picture is directed east towards railroad overpass. R/W appears ample - utility relocations not anticipated - Walk width reduction from 7' may be required at railroad.



Picture is directed east at Riverside Hospital. R/W appears ample - drainage should drain over walk to curb - utility relocations not anticipated - signal upgrade required at hospital entrance.



Picture is directed west toward Kenny Road. R/W appears ample - drainage should drain over walk to curb - utility relocations not anticipated - Signal upgrade required at Kenny Road.



Picture is directed east approximately 700' east of Clearview Avenue. R/W appears ample - drainage should drain over walk to curb - utility relocations not anticipated, but slight shift in sidewalk alignment may be needed around light poles.



OPERATION SAFEWALKS - North Broadway (Kenny Road to Riverside Methodist Hospital)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NW	(7/8)	North Broadway (Kenny Road to Riverside Methodist Hospital)	Arterial (4-2D)	3856	7	75'	Varies - 100' min	Varies - 12.5' min	curbed section - N/A	None apparent	2	0	0	0	\$0	Street lights exist, but relocation not anticipated	\$0	\$268,290	\$360,362	No	Right of Way appears ample - drainage should drain over walk to curb - utility relocations not anticipated - signal upgrade required at Hospital Entrance - Walk Width reduction from 7 may be required at RR - Recommend No to QTC because of signal upgrade.
NW	(5/6)	North Broadway (Kenny Road to Riverside Methodist Hospital)	Arterial (4-2D)	4403	7	Varies	Varies - 100' min	Varies - 12.5' min	curbed section - N/A	None apparent	2	0	0	0	\$0	Street lights exist, but relocation not anticipated	\$0	\$326,574	\$408,217	No	Right of Way appears ample - drainage should drain over walk to curb - utility relocations not anticipated - signal upgrade required at Hospital Entrance - Recommend No to QTC because of signal upgrade.
NW	(3/4)	North Broadway (Kenny Road to Riverside Methodist Hospital)	Arterial (4-2D)	655	7	40'	100'	30' (L & R)	curbed section - N/A	None apparent	2	0	0	0	\$0	Appears clear	\$0	\$76,369	\$95,461	No	Right of Way appears ample - drainage should drain over walk to curb - utility relocations not anticipated - Signal Upgrade required at Kenny Road - Recommend No to QTC because of signal upgrade.

North Broadway (Kenny Road to Riverside Methodist Hospital)		QUAD NW	PRIORITY (7/8)
General Estimating Data			
Street Classification	Arterial (4-2D)		
Priority Length (ft)	3856		
Anticipated Sidewalk width	7		
Number of intersection quadrants	4	ea	
Number of alleys	0	ea	
Number of curb ramps	8	ea	
Number of driveways	0	ea	
Square feet of driveways (SQ FT)	0	sq ft	
Square feet of sidewalk (SQ FT)	26992	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	1	if	
Estimate of signal upgrades	1	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP	2,500.00
EXCAVATION	203 999.70	CJ. YD.	20.00
EMBANKMENT	203 142.81	CJ. YD.	20.00
SUBGRADE COMPACTION	204 2099.11	SQ. YD.	2.00
8" CONCRETE WALK	608 800	SQ. FT.	9.00
4" CONCRETE WALK	608 28192	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	452 0	SQ. YD.	40.00
CURB RAMPS	608 8	EACH	700.00
NEW-DETECTABLE WARNING	S81851 8	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 1	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP	0.00
		SIDEWALK SUBTOTAL	\$219,506.99
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE COMPOSITION BERM SEEDING AND MULCHING	207 3856	LIN. FT.	2.50
	659 2142.22	SQ. YD.	4.00
		EROSION CONTROL SUBTOTAL	\$18,208.89
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614 1	LUMP	5,407.22
FIELD OFFICE	619 1	LUMP	2,162.89
CONSTRUCTION LAYOUT STAKES	623 1	LUMP	2,162.89
MOBILIZATION	624 1	LUMP	3,244.33
		MISCELLANEOUS SUBTOTAL	\$12,977.34
		Project Subtotal	\$250,686.82
		15% Project Contingencies	\$37,603.02
		Opinion of Probable Construction Cost	\$288,289.84
		Force Account (10% of Subtotal)	\$28,828.98
		Engineering Design Services (15% of Subtotal)	\$43,243.48
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$360,362.30

North Broadway (Kenny Road to Riverside Methodist Hospital)		QUAD NW	PRIORITY (5/6)
General Estimating Data			
Street Classification	Arterial (4-2D)		
Priority Length (ft)	4403		
Anticipated Sidewalk width	7		
Number of intersection quadrants	10	ea	
Number of alleys	0	ea	
Number of curb ramps	20	ea	
Number of driveways	0	ea	
Square feet of driveways (SQ FT)	0	sq ft	
Square feet of sidewalk (SQ FT)	30621	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP	2,500.00
EXCAVATION	203 1141.52	CJ. YD.	20.00
EMBANKMENT	203 163.07	CJ. YD.	20.00
SUBGRADE COMPACTION	204 3424.56	SQ. YD.	2.00
8" CONCRETE WALK	608 2000	SQ. FT.	9.00
4" CONCRETE WALK	608 28821	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	452 0	SQ. YD.	40.00
CURB RAMPS	608 20	EACH	700.00
NEW-DETECTABLE WARNING	S81851 20	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP	0.00
		SIDEWALK SUBTOTAL	\$248,366.96
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE COMPOSITION BERM SEEDING AND MULCHING	207 4403	LIN. FT.	2.50
	659 2442.11	SQ. YD.	4.00
		EROSION CONTROL SUBTOTAL	\$20,791.84
MISCELLANEOUS			
MAINTAINING TRAFFIC	614 1	LUMP	5,174.28
FIELD OFFICE	619 1	LUMP	2,469.71
CONSTRUCTION LAYOUT STAKES	623 1	LUMP	2,469.71
MOBILIZATION	624 1	LUMP	3,704.57
		MISCELLANEOUS SUBTOTAL	\$14,818.26
		Project Subtotal	\$283,977.17
		15% Project Contingencies	\$42,596.57
		Opinion of Probable Construction Cost	\$326,573.75
		Force Account (10% of Subtotal)	\$32,657.37
		Engineering Design Services (15% of Subtotal)	\$48,996.06
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$408,217.18

North Broadway (Kenny Road to Riverside Methodist Hospital)		QUAD NW	PRIORITY (3/4)
General Estimating Data			
Street Classification	Arterial (4-2D)		
Priority Length (ft)	655		
Anticipated Sidewalk width	7		
Number of intersection quadrants	4	ea	
Number of alleys	0	ea	
Number of curb ramps	8	ea	
Number of driveways	0	ea	
Square feet of driveways (SQ FT)	0	sq ft	
Square feet of sidewalk (SQ FT)	4585	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	1	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP	2,500.00
EXCAVATION	203 169.81	CJ. YD.	20.00
EMBANKMENT	203 24.26	CJ. YD.	20.00
SUBGRADE COMPACTION	204 509.44	SQ. YD.	2.00
8" CONCRETE WALK	608 800	SQ. FT.	9.00
4" CONCRETE WALK	608 3785	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	452 0	SQ. YD.	40.00
CURB RAMPS	608 8	EACH	700.00
NEW-DETECTABLE WARNING	S81851 8	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 1	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP	0.00
		SIDEWALK SUBTOTAL	\$61,110.37
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE COMPOSITION BERM SEEDING AND MULCHING	207 655	LIN. FT.	2.50
	659 363.89	SQ. YD.	4.00
		EROSION CONTROL SUBTOTAL	\$3,093.06
MISCELLANEOUS			
MAINTAINING TRAFFIC	614 1	LUMP	918.50
FIELD OFFICE	619 1	LUMP	387.40
CONSTRUCTION LAYOUT STAKES	623 1	LUMP	387.40
MOBILIZATION	624 1	LUMP	551.10
		MISCELLANEOUS SUBTOTAL	\$2,204.40
		Project Subtotal	\$66,407.82
		15% Project Contingencies	\$9,961.17
		Opinion of Probable Construction Cost	\$76,369.00
		Force Account (10% of Subtotal)	\$7,636.90
		Engineering Design Services (15% of Subtotal)	\$11,455.35
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$95,461.25

OPERATION SAFEWALKS

3rd Avenue from Doten Avenue to Olentangy River Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 2,955'	PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 2,506'
R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$285,901	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$271,117

Page 1 of 3
ME COMPANIES

Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

3rd Avenue from Doten Avenue to Olentangy River Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: NW
 Project Length: 7-8: 2,955'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$285,901

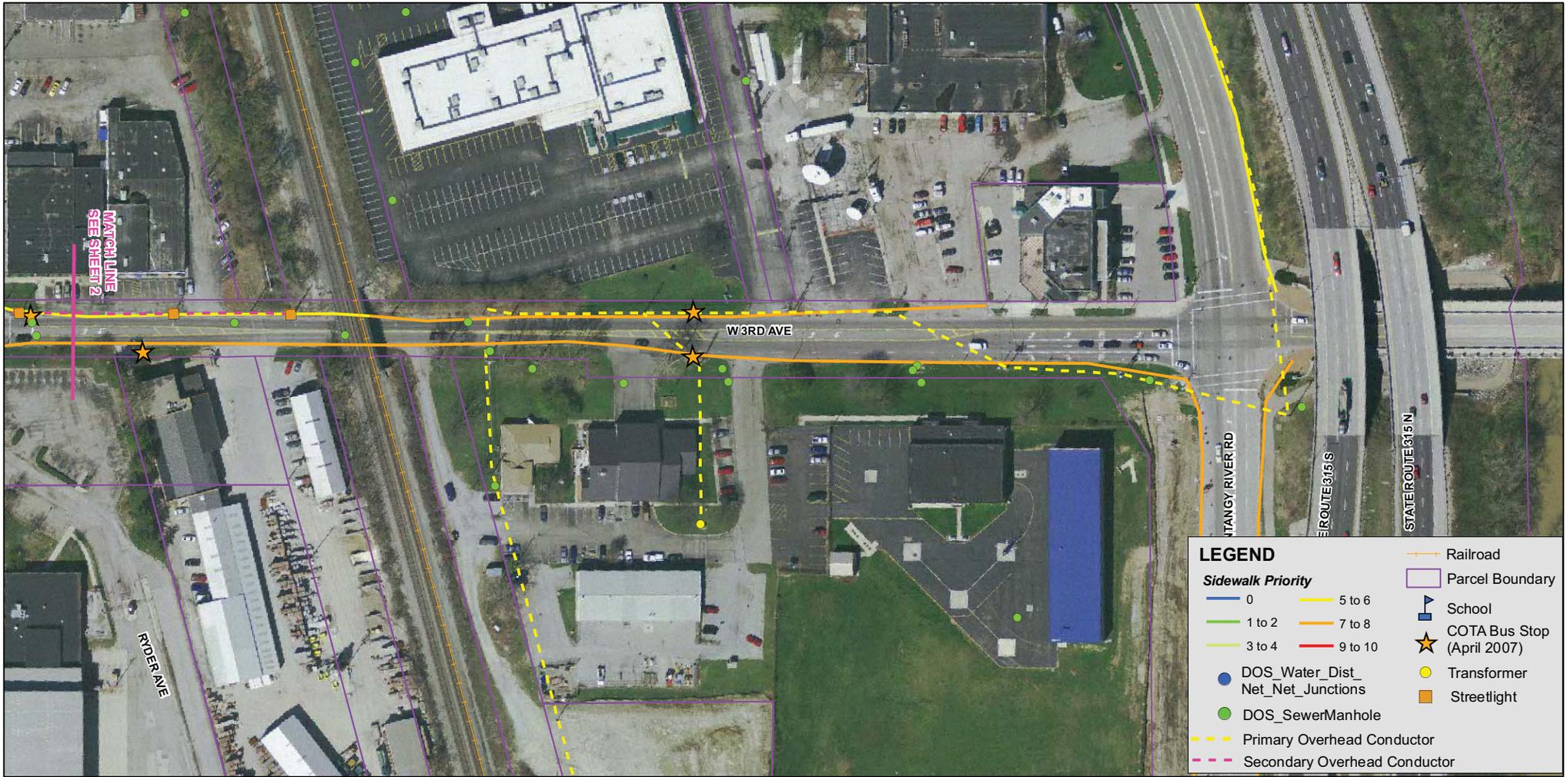
PROJECT SUMMARY
 Quadrant: NW
 Project Length: 5-6: 2,506'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$271,117

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Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

3rd Avenue from Doten Avenue to Olentangy River Road



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY	PROJECT SUMMARY
Quadrant: NW	Quadrant: NW
Project Length: 7-8: 2,955'	Project Length: 5-6: 2,506'
R/W Acquisition: 0	R/W Acquisition: 0
Utility Relocation: 0	Utility Relocation: 0
Project Estimate: \$285,901	Project Estimate: \$271,117

Page 3 of 3
ME COMPANIES

Aerial Source:
Franklin County 2007

0 50 100 200 Feet



Picture is directed east just east of Doten Avenue. The majority of this project could be constructed QTC (Doten Avenue to Ryder Ave) using Type 2 and 4 Typical Sections. Drainage should drain over walk to the street.



East of Ryder Avenue, significant issues exist with the RR bridge & utility poles. It appears possible to place walk behind piers in the spill through area with a retaining wall.



Picture is directed east just west of Holly Avenue. Walk adjacent to the curb appears to be the best option on the north side of 3rd Avenue.



Picture is directed east just west of Norton Avenue. Walk adjacent to the curb appears to be the best option on the south side of 3rd Avenue. Parking issue will need resolved as currently it appears businesses in this stretch are utilizing existing R/W for parking purposes.



OPERATION SAFEWALKS - 3rd Avenue (Doten Avenue to Olentangy River Road)

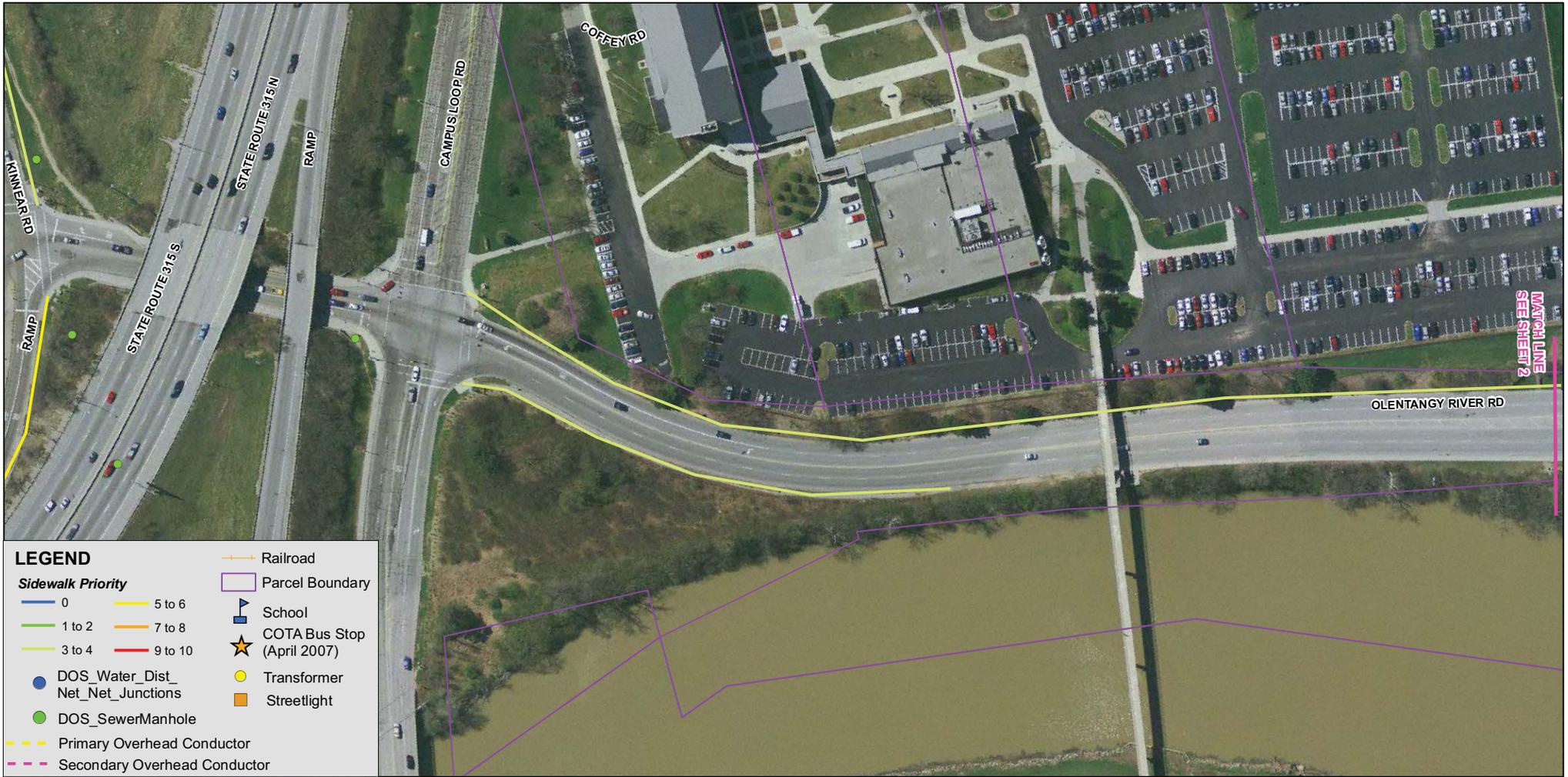
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NW	(7/8)	3rd Avenue (Doten Avenue to Olentangy River Road)	Arterial (C)	2955	5	30	60' from Doten to Just East of RR. 80' just East of RR to Olentangy	Varies - 15' (L&R) Min.	curbed section - N/A	None apparent	2 & 4	0	70	0	\$0	Possible relocations near RR structure	\$0	\$228,721	\$285,901	No	The majority of this project could be constructed QTC (Doten Avenue to Ryder Avenue) using a combination of Type 2 and 4 Typical Sections. East of Ryder significant issues with the RR bridge and Utility Poles will require design. It appears possible to place walk behind bridge piers in the spillthrough area with addition of a retaining wall.
NW	(5/6)	3rd Avenue (Doten Avenue to Olentangy River Road)	Arterial (C)	2506	5	30	60' from Doten to Just East of RR. 80' just East of RR to Olentangy	15' (L&R)	curbed section - N/A	None apparent	2 & 4	0	70	0	\$0	Possible relocations near RR structure	\$0	\$216,893	\$271,117	No	The majority of this project could be constructed QTC (Doten Avenue to Ryder Avenue) using a combination of Type 2 and 4 Typical Sections. East of Ryder significant issues with the RR bridge and Utility Poles will require design. It appears possible to place walk behind bridge piers in the spillthrough area with addition of a retaining wall.

3rd Avenue (Doten Avenue to Olentangy River Road)		QUAD NW	PRIORITY (7/8)		
General Estimating Data					
Street Classification	Arterial (C)				
Priority Length (ft)	2955	if			
Anticipated Sidewalk width	5	if			
Number of intersection quadrants	8	ea			
Number of alleys	0	ea			
Number of curbs ramps	16	ea			
Number of driveways	8	ea			
Square feet of driveways (SQ FT)	800	sq ft			
Square feet of sidewalk (SQ FT)	14175	sq ft			
retaining wall estimate greater than 4 ft in height	70	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	2 & 4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	547.22	CU. YD.	20.00	10,944.44
EMBANKMENT	203	109.44	CU. YD.	20.00	2,188.80
SUBGRADE COMPACTION	204	1730.56	SQ. YD.	2.00	3,461.11
8" CONCRETE WALK	608	1600	SQ. FT.	9.00	14,400.00
4" CONCRETE WALK	608	13175	SQ. FT.	6.00	79,050.00
CONCRETE DRIVEWAY APRONS	452	89	SQ. YD.	40.00	3,568.80
CURB RAMPS	608	18	EACH	700.00	11,200.00
NEW-DETECTABLE WARNING	S31551	18	EACH	400.00	8,400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	70	LF	500.00	35,000.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$168,700.00
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2865	LN. FT.	2.50	7,162.50
SEEDING AND MULCHING	659	1641.67	SQ. YD.	4.00	6,566.67
EROSION CONTROL SUBTOTAL					\$13,954.17
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	6,783.87	6,783.87
FIELD OFFICE	619	1	LUMP	2,705.55	2,705.55
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,705.55	2,705.55
MOBILIZATION	624	1	LUMP	4,058.32	4,058.32
MISCELLANEOUS SUBTOTAL					\$16,232.29
Project Subtotal					\$198,887.46
15% Project Contingencies					\$29,833.12
Opinion of Probable Construction Cost					\$228,720.58
Force Account (10% of Subtotal)					\$22,872.06
Engineering Design Services (15% of Subtotal)					\$34,308.09
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$285,900.72

3rd Avenue (Doten Avenue to Olentangy River Road)		QUAD NW	PRIORITY (5/6)		
General Estimating Data					
Street Classification	Arterial (C)				
Priority Length (ft)	2506	if			
Anticipated Sidewalk width	5	if			
Number of intersection quadrants	11	ea			
Number of alleys	0	ea			
Number of curbs ramps	22	ea			
Number of driveways	12	ea			
Square feet of driveways (SQ FT)	1200	sq ft			
Square feet of sidewalk (SQ FT)	12530	sq ft			
retaining wall estimate greater than 4 ft in height	70	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	2 & 4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	464.07	CU. YD.	20.00	9,281.48
EMBANKMENT	203	92.81	CU. YD.	20.00	1,856.30
SUBGRADE COMPACTION	204	1525.56	SQ. YD.	2.00	3,051.11
8" CONCRETE WALK	608	2200	SQ. FT.	9.00	19,800.00
4" CONCRETE WALK	608	10330	SQ. FT.	6.00	61,980.00
CONCRETE DRIVEWAY APRONS	452	133	SQ. YD.	40.00	5,333.33
CURB RAMPS	608	22	EACH	700.00	15,400.00
NEW-DETECTABLE WARNING	S31551	22	EACH	400.00	8,800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	70	LF	500.00	35,000.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
SIDEWALK SUBTOTAL					\$163,002.22
EROSION CONTROL					
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2506	LN. FT.	2.50	6,265.00
SEEDING AND MULCHING	659	1392.22	SQ. YD.	4.00	5,568.89
EROSION CONTROL SUBTOTAL					\$11,833.89
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	5,736.13	5,736.13
FIELD OFFICE	619	1	LUMP	2,294.45	2,294.45
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,294.45	2,294.45
MOBILIZATION	624	1	LUMP	3,441.88	3,441.88
MISCELLANEOUS SUBTOTAL					\$13,766.71
Project Subtotal					\$188,602.82
15% Project Contingencies					\$28,290.42
Opinion of Probable Construction Cost					\$216,893.24
Force Account (10% of Subtotal)					\$21,689.32
Engineering Design Services (15% of Subtotal)					\$32,533.99
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$271,116.95

OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND	
0	5 to 6
1 to 2	7 to 8
3 to 4	9 to 10
DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor
Railroad	Parcel Boundary
School	COTA Bus Stop (April 2007)



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8: 1,004'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$90,970

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6: 27,660'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'

R/W Acquisition: \$186,724
Utility Relocation: 0
Project Estimate: \$1,235,337

Page 1 of 16



Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road

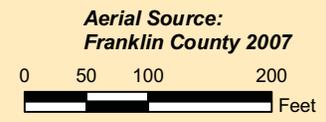


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NW
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Utility Relocation: 0
Project Estimate: \$90,970

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Project Length: 5-6: 27,660'
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PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'
R/W Acquisition: \$186,724
Utility Relocation: 0
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OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				

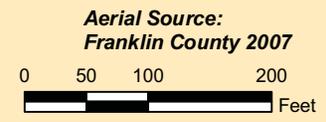


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8: 1,004'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$90,970

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6: 27,660'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'
R/W Acquisition: \$186,724
Utility Relocation: 0
Project Estimate: \$1,235,337



OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor

 MAYOR MIKE COLEMAN OPERATION SAFE WALKS	City of Columbus Public Service Department Transportation Division	PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004' R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970	PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660' R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974	PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809' R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337	Page 4 of 16 	Aerial Source: Franklin County 2007
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OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				



City of Columbus
Public Service Department
Transportation Division

<p>PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809'</p> <p>R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337</p>
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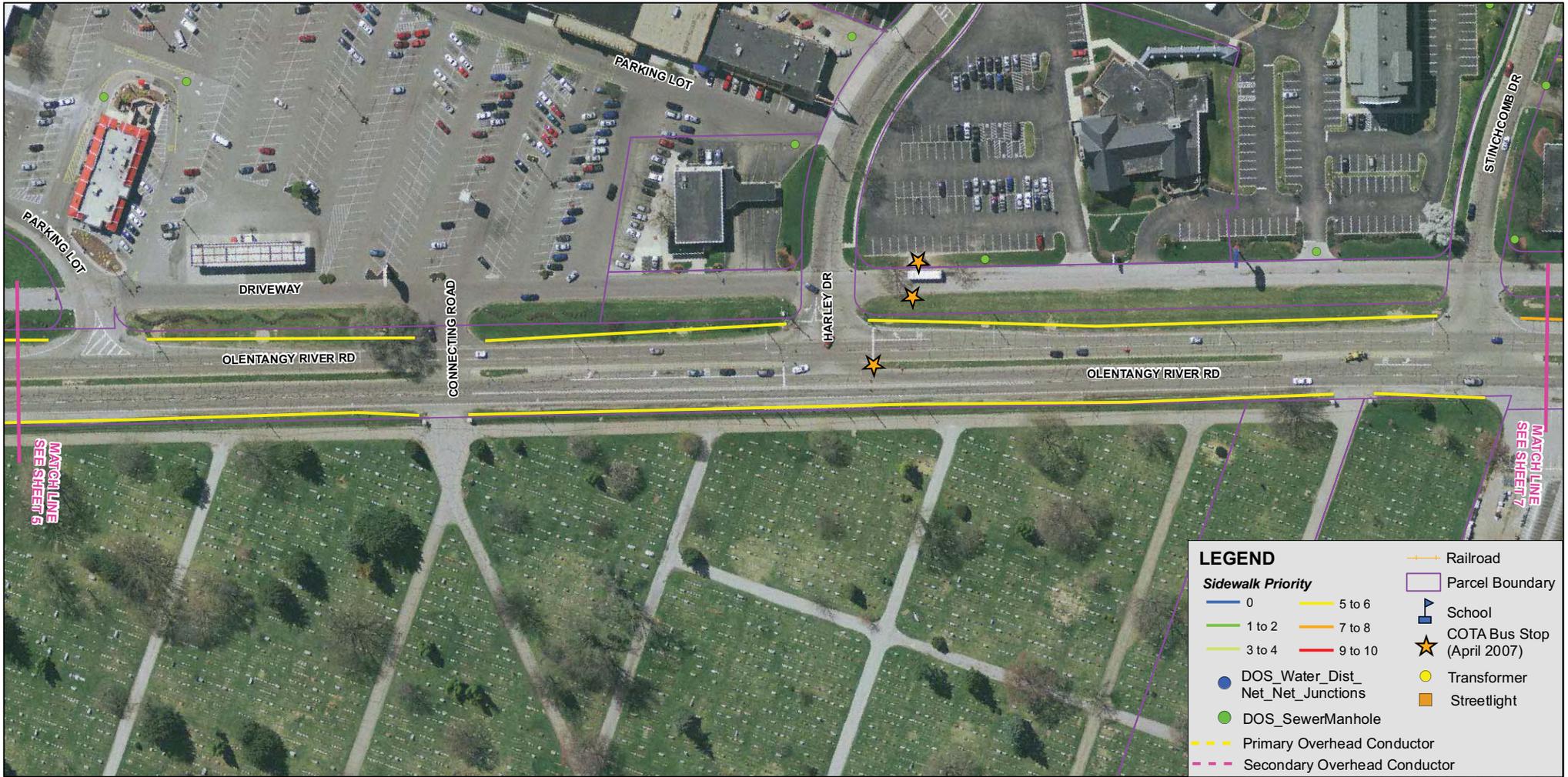


Aerial Source:
Franklin County 2007

0 50 100 200 Feet

OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8: 1,004'

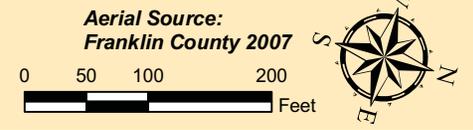
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$90,970

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6: 27,660'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'

R/W Acquisition: \$186,724
Utility Relocation: 0
Project Estimate: \$1,235,337



OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	DOS_Water_Dist Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8: 1,004'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$90,970

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6: 27,660'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'

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Aerial Source:
Franklin County 2007

0 50 100 200 Feet

OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
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Quadrant: NW
Project Length: 5-6: 27,660'
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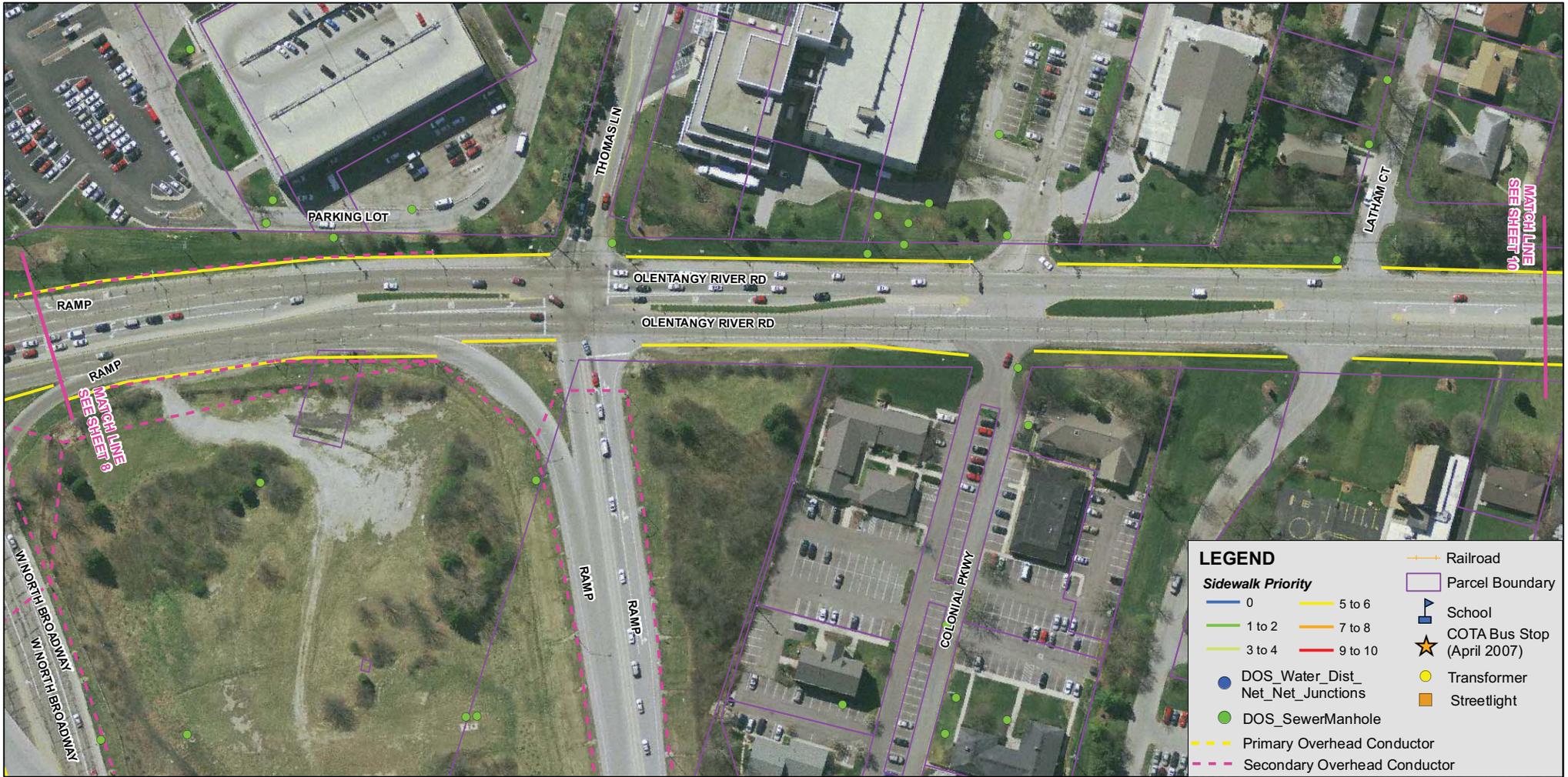


Aerial Source:
Franklin County 2007

0 50 100 200 Feet

OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				

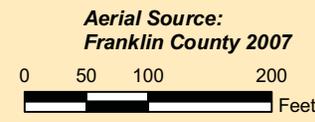


City of Columbus
Public Service Department
Transportation Division

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 Project Length: 7-8: 1,004'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$90,970

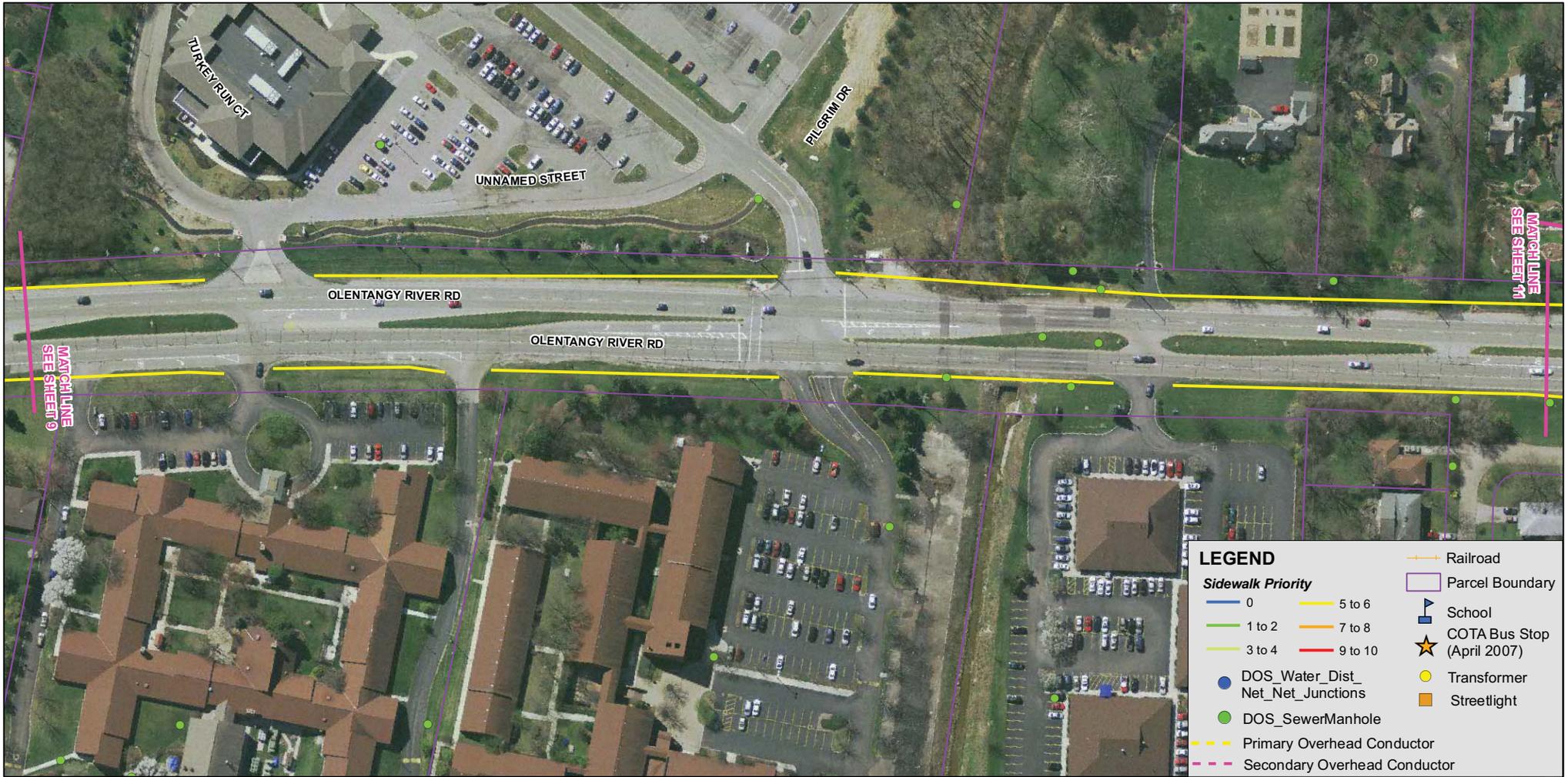
PROJECT SUMMARY
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 Project Length: 5-6: 27,660'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$2,725,974

PROJECT SUMMARY
 Quadrant: NW
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 R/W Acquisition: \$186,724
 Utility Relocation: 0
 Project Estimate: \$1,235,337



OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

0	5 to 6	Railroad
1 to 2	7 to 8	Parcel Boundary
3 to 4	9 to 10	School
DOS_Water_Dist	COTA Bus Stop (April 2007)	Transformer
DOS_SewerManhole	Streetlight	
Primary Overhead Conductor		
Secondary Overhead Conductor		



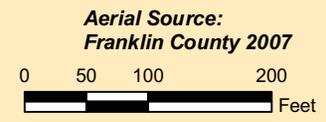
City of Columbus
Public Service Department
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Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'
R/W Acquisition: \$186,724
Utility Relocation: 0
Project Estimate: \$1,235,337

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ME COMPANIES



OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions				Transformer	Streetlight
DOS_SewerManhole				Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
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Utility Relocation: 0
Project Estimate: \$90,970

PROJECT SUMMARY
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Project Length: 5-6: 27,660'
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Project Estimate: \$2,725,974

PROJECT SUMMARY
Quadrant: NW
Project Length: 3-4: 10,809'
R/W Acquisition: \$186,724
Utility Relocation: 0
Project Estimate: \$1,235,337

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ME COMPANIES

Aerial Source: Franklin County 2007

OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

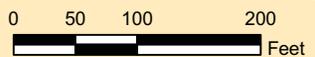
City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004'	PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660'	PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809'
R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974	R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337

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Aerial Source:
 Franklin County 2007




OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

—+— Railroad	— Parcel Boundary
— School	★ COTA Bus Stop (April 2007)
— Transformer	— Streetlight
• DOS_Water_Dist_Net_Net_Junctions	• DOS_SewerManhole
--- Primary Overhead Conductor	--- Secondary Overhead Conductor

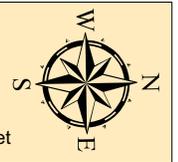
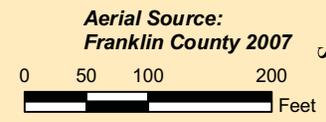
Sidewalk Priority

0	5 to 6
1 to 2	7 to 8
3 to 4	9 to 10



City of Columbus
Public Service Department
Transportation Division

<p>PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809'</p> <p>R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337</p>
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OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

—+— Railroad	— Parcel Boundary
Sidewalk Priority	— School
— 0	★ COTA Bus Stop (April 2007)
— 1 to 2	● Transformer
— 3 to 4	■ Streetlight
● DOS_Water_Dist_Net_Net_Junctions	
● DOS_SewerManhole	
--- Primary Overhead Conductor	
--- Secondary Overhead Conductor	

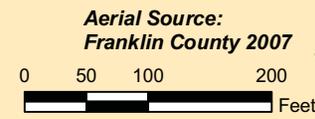


City of Columbus
Public Service Department
Transportation Division

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R/W Acquisition: 0
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OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole	Transformer	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

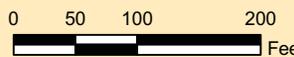
City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004'	PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660'	PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809'
R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970	R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974	R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337

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Aerial Source:
 Franklin County 2007




OPERATION SAFEWALKS

Olentangy River Road from Kinnear Road to Bethel Road



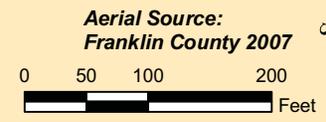
LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▢ School
● DOS_Water_Dist_Net_Net_Junctions	★ COTA Bus Stop (April 2007)	● Transformer
● DOS_SewerManhole	■ Streetlight	
--- Primary Overhead Conductor		
--- Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

<p>PROJECT SUMMARY Quadrant: NW Project Length: 7-8: 1,004'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$90,970</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 5-6: 27,660'</p> <p>R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$2,725,974</p>	<p>PROJECT SUMMARY Quadrant: NW Project Length: 3-4: 10,809'</p> <p>R/W Acquisition: \$186,724 Utility Relocation: 0 Project Estimate: \$1,235,337</p>
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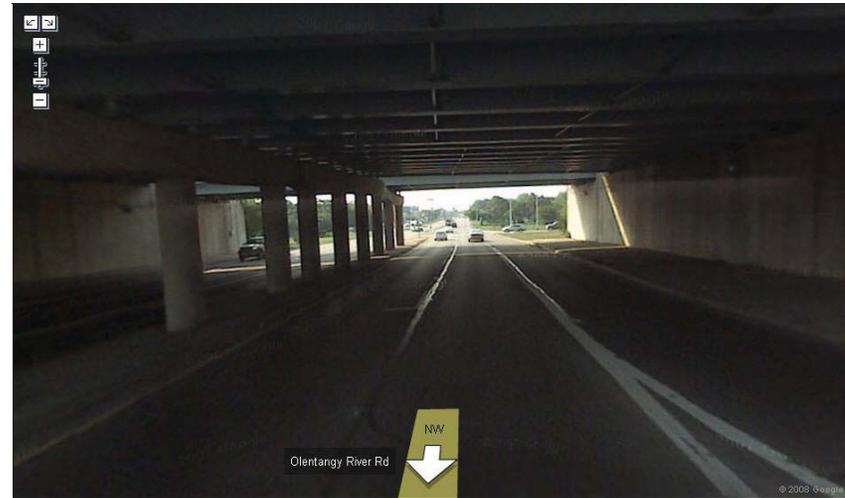
Picture is directed north approximately 400' north of Kinnear Road. This particular limit is curbed and Right of Way appears ample - minimal drainage issues - utility relocations are not anticipated - Recommend YES to possibility of QTC for the 7/8 portions of this project.



Picture is directed north approximately 700' south of the SR 315 pedestrian overpass at Markview Road. Considerable design issues will need resolved at this location including side road redesign if a walk is to remain on this side.



Picture is directed south just south of Knights Bridge Blvd. At this location, a wall will be needed (west side) & suggest relocating walk east of guardrail (east side). R/W will be required.



Picture is directed south at the SR 315 bridge. Ample room for pedestrian use is available.



OPERATION SAFEWALKS - Olentangy River Road (Kinneer Road to Bethel Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NW	(7/8)	Olentangy River Road (Kinneer Road to Bethel Road)	Arterial (4-2D, 4-2)	1004	7	Varies	Varies	Varies	The portions that are curbed section (N/A), non-curbed sections would in several locations require additional RW to satisfy requirement	None apparent	1, 2 & 4	0	0	0	\$0	pole line exists, relocation not anticipated	\$0	\$72,776	\$90,970	Yes	Portions curbed and non-curbed - Right of Way appears ample - minimal drainage issues - utilities relocations not anticipated - Recommend YES to possibility of 7/8 QTC.
NW	(5/6)	Olentangy River Road (Kinneer Road to Bethel Road)	Arterial (4-2D, 4-2)	27660	7	Varies	Varies	Varies	The portions that are curbed section (N/A), non-curbed sections would in several locations require additional RW to satisfy requirement	None apparent	1, 2 & 4	600	0	0	\$0	utility poles exist, possible relocation will be necessary	\$0	\$2,180,779	\$2,725,974	No	Considerable design issues will need resolved including drainage, side road shift, sidewalk location, signal upgrades, & utility relocations - Recommend No to QTC.
NW	(3/4)	Olentangy River Road (Kinneer Road to Bethel Road)	Arterial (4-2D, 4-2)	10809	7	Varies	Varies	Varies	The portions that are curbed section (N/A), non-curbed sections would in several locations require additional RW to satisfy requirement	None apparent	1, 2 & 4	0	300	2	\$186,724	utility poles exist, possible relocation will be necessary	\$0	\$838,890	\$1,235,337	No	Considerable design issues will need resolved including R/W, drainage, sidewalk location, signal upgrades, & utility relocations - Recommend No to QTC.

Olentangy River Road (Kinneer Road to Bethel Road)		QUAD	PRIORITY		
General Estimating Data		NW	(7/8)		
Street Classification	Arterial (4-2D, 4-2)				
Priority Length (ft)	1004				
Anticipated Sidewalk width	7				
Number of intersection quadrants	2				
Number of alleys	0				
Number of curb ramps	4				
Number of driveways	0				
Square feet of driveways (SQ FT)	0				
square feet of sidewalk (SQ FT)	7028				
retaining wall estimate greater than 4 ft in height	0				
retaining wall estimate less than 4 ft in height	0				
Estimate of signal upgrades	0				
Quick to Construct Recommendation	Yes				
Proposed sidewalk typical (see exhibit 3)	1, 2 & 4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	280.30	CU. YD.	20.00	5,605.93
EMBANKMENT	203	37.19	CU. YD.	20.00	743.70
SUBGRADE COMPACTION	204	780.89	SQ. YD.	2.00	1,561.78
8" CONCRETE WALK	608	400	SQ. FT.	9.00	3,600.00
4" CONCRETE WALK	608	6628	SQ. FT.	6.00	39,768.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00
CURB RAMPS	608	4	EACH	700.00	2,800.00
NEW-DETECTABLE WARNING	SS1651	4	EACH	400.00	1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$57,779.41
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1054	LIN. FT.	2.50	2,610.00
SEEDING AND MULCHING	659	557.78	SQ. YD.	4.00	2,231.11
EROSION CONTROL SUBTOTAL					\$4,741.11
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	317.94	317.94
FIELD OFFICE	619	1	LUMP	127.18	127.18
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	127.18	127.18
MOBILIZATION	624	1	LUMP	190.76	190.76
MISCELLANEOUS SUBTOTAL					\$763.05
Project Subtotal					\$63,283.57
15% Project Contingencies					\$9,492.54
Opinion of Probable Construction Cost					\$72,776.11
Force Account (10% of Subtotal)					\$7,277.61
Engineering Design Services (15% of Subtotal)					\$10,916.42
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$90,970.13

Olentangy River Road (Kinneer Road to Bethel Road)		QUAD	PRIORITY		
General Estimating Data		NW	(5/6)		
Street Classification	Arterial (4-2D, 4-2)				
Priority Length (ft)	27660				
Anticipated Sidewalk width	7				
Number of intersection quadrants	70				
Number of alleys	0				
Number of curb ramps	140				
Number of driveways	14				
Square feet of driveways (SQ FT)	1400				
square feet of sidewalk (SQ FT)	193620				
retaining wall estimate greater than 4 ft in height	0				
retaining wall estimate less than 4 ft in height	600				
Estimate of signal upgrades	7				
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	1, 2 & 4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	7171.11	CU. YD.	20.00	143,422.22
EMBANKMENT	203	1024.44	CU. YD.	20.00	20,488.69
SUBGRADE COMPACTION	204	21668.89	SQ. YD.	2.00	43,337.78
8" CONCRETE WALK	608	14000	SQ. FT.	9.00	126,000.00
4" CONCRETE WALK	608	179620	SQ. FT.	6.00	1,077,720.00
CONCRETE DRIVEWAY APRONS	452	156	SQ. YD.	40.00	6,222.22
CURB RAMPS	608	140	EACH	700.00	98,000.00
NEW-DETECTABLE WARNING	SS1651	140	EACH	400.00	56,000.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	600	LF	60.00	36,000.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	7	EACH	15,000.00	105,000.00
DRAINAGE ESTIMATE (Box Culvert Extension - estimate 30')	SPECIAL	1	LUMP	30,000.00	30,000.00
SIDEWALK SUBTOTAL					\$1,744,691.11
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	27660	LIN. FT.	2.50	69,150.00
SEEDING AND MULCHING	659	15366.67	SQ. YD.	4.00	61,466.67
EROSION CONTROL SUBTOTAL					\$130,616.67
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	8,750.15	8,750.15
FIELD OFFICE	619	1	LUMP	3,503.66	3,503.66
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,503.66	3,503.66
MOBILIZATION	624	1	LUMP	5,255.49	5,255.49
MISCELLANEOUS SUBTOTAL					\$21,012.96
Project Subtotal					\$1,896,320.74
15% Project Contingencies					\$284,449.46
Opinion of Probable Construction Cost					\$2,180,770.20
Force Account (10% of Subtotal)					\$218,077.92
Engineering Design Services (15% of Subtotal)					\$327,116.88
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$3,235,974.86

Olentangy River Road (Kinneer Road to Bethel Road)		QUAD	PRIORITY		
General Estimating Data		NW	(3/4)		
Street Classification	Arterial (4-2D, 4-2)				
Priority Length (ft)	10809				
Anticipated Sidewalk width	7				
Number of intersection quadrants	19				
Number of alleys	1				
Number of curb ramps	40				
Number of driveways	4				
Square feet of driveways (SQ FT)	400				
square feet of sidewalk (SQ FT)	76663				
retaining wall estimate greater than 4 ft in height	300				
retaining wall estimate less than 4 ft in height	0				
Estimate of signal upgrades	1				
Quick to Construct Recommendation	No				
Proposed sidewalk typical section (see exhibit 3)	1, 2 & 4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	2852.33	CU. YD.	20.00	56,046.67
EMBANKMENT	203	400.33	CU. YD.	20.00	8,006.67
SUBGRADE COMPACTION	204	8451.44	SQ. YD.	2.00	16,902.88
8" CONCRETE WALK	608	4000	SQ. FT.	9.00	36,000.00
4" CONCRETE WALK	608	71663	SQ. FT.	6.00	429,978.00
CONCRETE DRIVEWAY APRONS	452	44	SQ. YD.	40.00	1,777.78
CURB RAMPS	608	40	EACH	700.00	28,000.00
NEW-DETECTABLE WARNING	SS1651	40	EACH	400.00	16,000.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	300	LF	200.00	60,000.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	1	EACH	15,000.00	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
SIDEWALK SUBTOTAL					\$670,212.00
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	10809	LIN. FT.	2.50	27,022.50
SEEDING AND MULCHING	659	6005.00	SQ. YD.	4.00	24,020.00
EROSION CONTROL SUBTOTAL					\$51,042.50
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	3,422.91	3,422.91
FIELD OFFICE	619	1	LUMP	1,369.16	1,369.16
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,369.16	1,369.16
MOBILIZATION	624	1	LUMP	2,053.75	2,053.75
MISCELLANEOUS SUBTOTAL					\$8,214.98
Project Subtotal					\$729,469.48
15% Project Contingencies					\$109,420.42
Opinion of Probable Construction Cost					\$838,889.90
Force Account (10% of Subtotal)					\$83,888.99
Engineering Design Services (15% of Subtotal)					\$125,833.46
Right of Way Acquisition					\$186,724.24
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$1,235,336.82

OPERATION SAFEWALKS

Northwest Boulevard from 5th Avenue to King Avenue, King Avenue from Andover Road to Westwood Avenue



LEGEND

Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Yellow line)
- 5 to 6 (Orange line)
- 7 to 8 (Red line)
- 9 to 10 (Dark Red line)

Other Symbols:

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle icon)
- Streetlight (Orange square icon)
- DOS_Water_Dist_Net_Net_Junctions (Blue circle icon)
- DOS_SewerManhole (Green circle icon)
- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)



City of Columbus
Public Service Department
Transportation Division

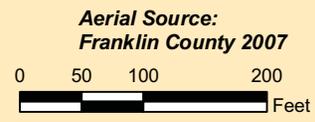
PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8 = 1,543'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$151,899

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6 = 1,383'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$135,485

Page 1 of 2



OPERATION SAFEWALKS

Northwest Boulevard from 5th Avenue to King Avenue, King Avenue from Andover Road to Westwood Avenue

LEGEND

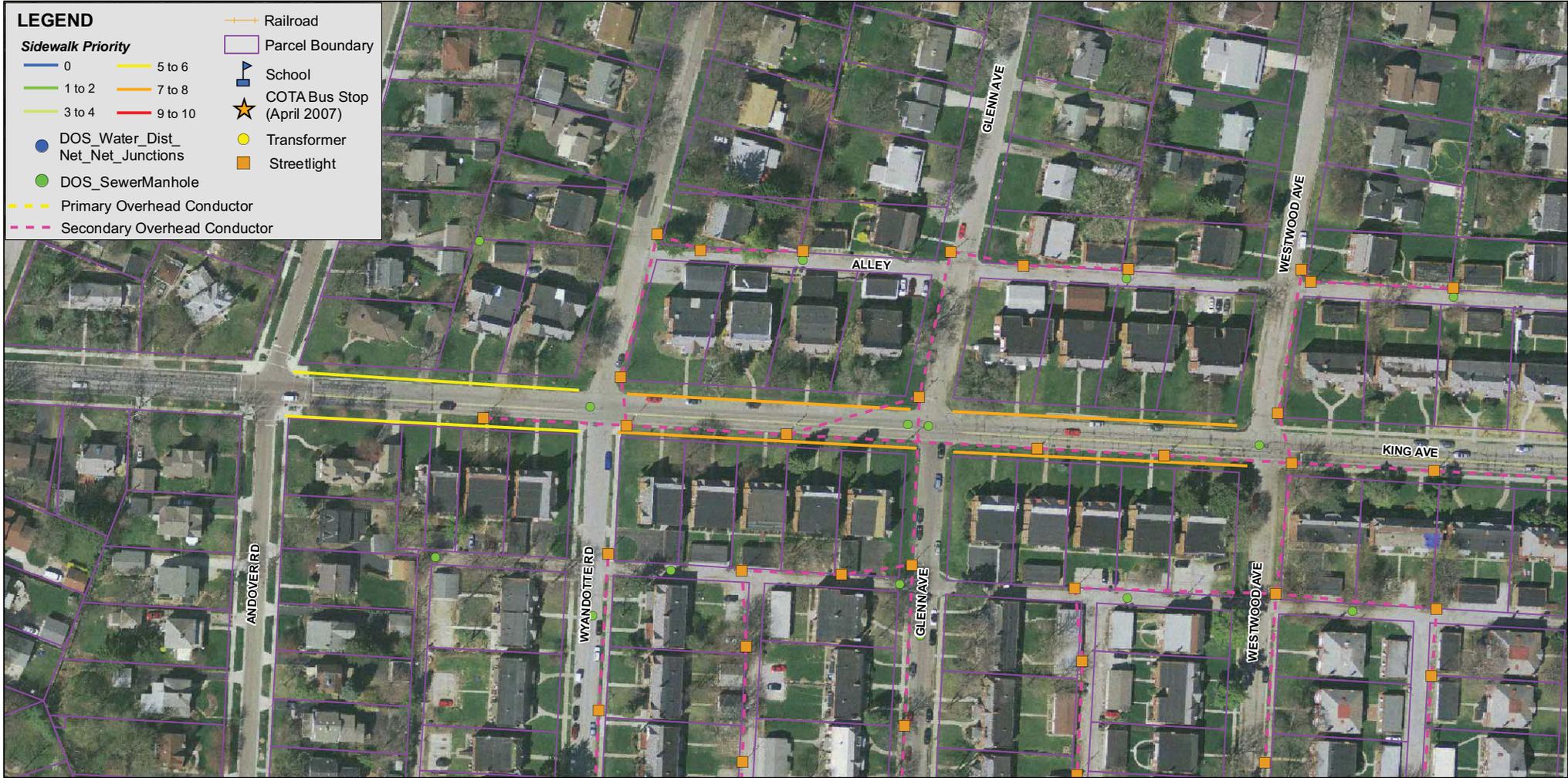
Sidewalk Priority

- 0
- 1 to 2
- 3 to 4
- 5 to 6
- 7 to 8
- 9 to 10

- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole

- Primary Overhead Conductor
- Secondary Overhead Conductor

- Railroad
- Parcel Boundary
- School
- COTA Bus Stop (April 2007)
- Transformer
- Streetlight



City of Columbus
Public Service Department
Transportation Division

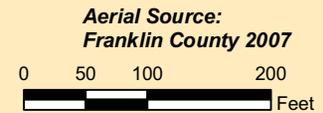
PROJECT SUMMARY
Quadrant: NW
Project Length: 7-8 = 1,543'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$151,899

PROJECT SUMMARY
Quadrant: NW
Project Length: 5-6 = 1,383'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$135,485

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Picture is directed north just north of 5th Avenue. R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC.



Picture is directed west on King Avenue just east of Andover Road. R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear, but a low retaining wall may be needed at southeast corner of Andover and King Ave. - Recommend QTC



Picture is directed north at Glenn Avenue. R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear, or walk could be shifted to avoid. - Recommend QTC.



Picture is directed south just south of King Avenue. R/W appears ample - drainage should be able to drain over walk into street - Utilities appear clear. - Recommend QTC.



OPERATION SAFEWALKS - Northwest Boulevard (5th Avenue to King Avenue), King Avenue (Andover Road to Westwood Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
NW	(7/8)	Northwest Boulevard (5th Avenue to King Avenue), King Avenue (Andover Road to Westwood Avenue)	Arterial	1543	5	Northwest Blvd 72' King 30'	Northwest Blvd 100' King 60'	Northwest Blvd 14' (L&R) King 15' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$121,519	\$151,899	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC
NW	(5/6)	Northwest Boulevard (5th Avenue to King Avenue), King Avenue (Andover Road to Westwood Avenue)	Arterial	1383	5	Northwest Blvd 72' King 30'	Northwest Blvd 100' King 60'	Northwest Blvd 14' (L&R) King 15' (L&R)	curbed section - N/A	None apparent	3 & 4	100	0	0	\$0	None anticipated	\$0	\$108,388	\$135,485	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Low retaining wall possibly needed at SE Corner of Andover and King Ave. - Recommend QTC

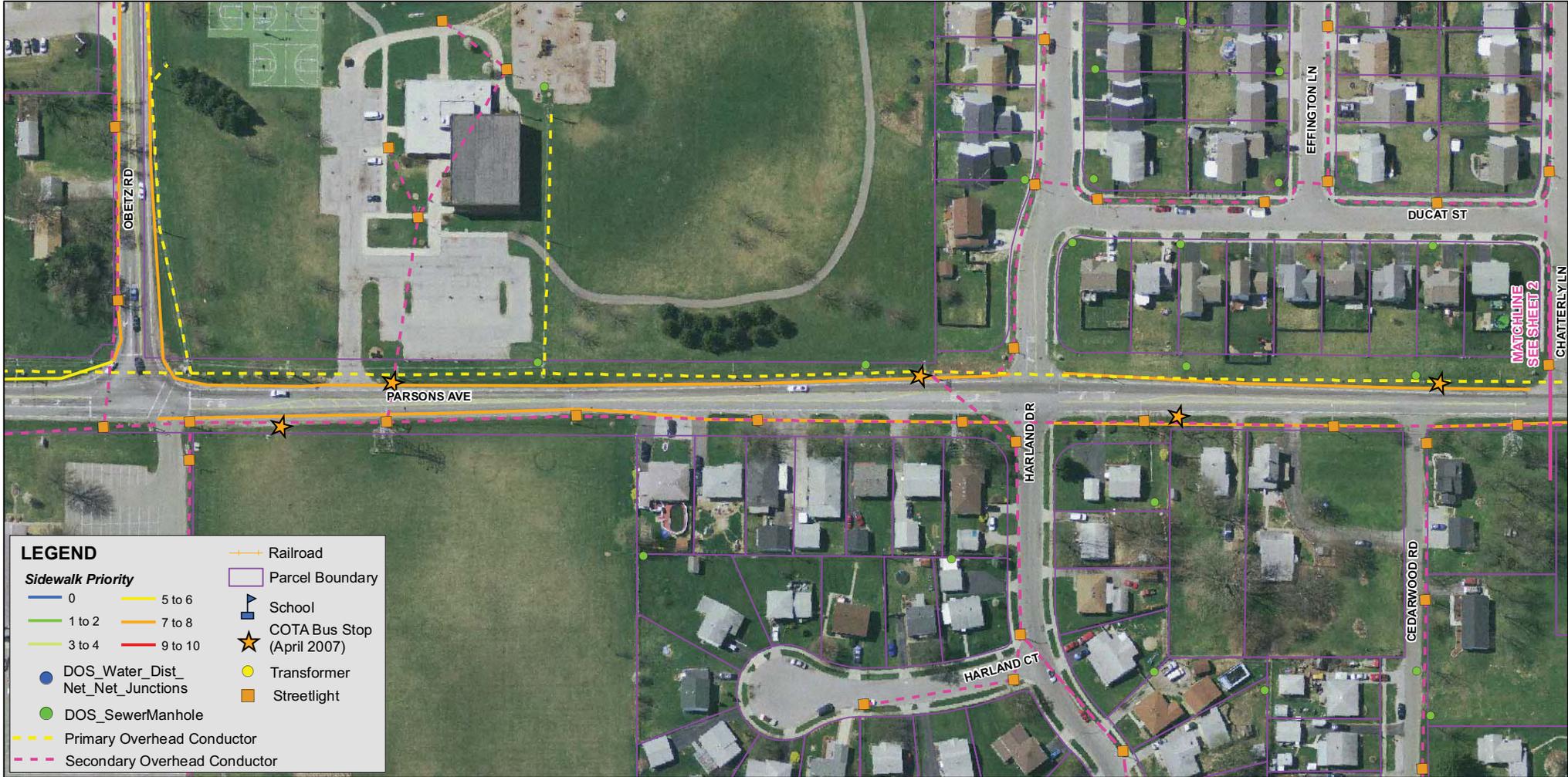
Northwest Boulevard (5th Avenue to King Avenue), King Avenue (Andover Road to Westwood Avenue)					QUAD	PRIORITY
General Estimating Data					NW	(7/8)
Street Classification	Arterial					
Priority Length (ft)	1543	if				
Anticipated Sidewalk width	5	if				
Number of intersection quadrants	0	ea				
Number of delays	0	ea				
Number of curb ramps	16	ea				
Number of driveways	6	ea				
Square feet of driveways (SQ FT)	600	sq ft				
square feet of sidewalk (SQ FT)	7715	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	Yes					
Proposed sidewalk typical (see exhibit 3)	4					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	285.74	CU. YD.	20.00	\$714.81	
EMBANKMENT	203	57.15	CU. YD.	20.00	1,142.96	
SUBGRADE COMPACTION	204	823.89	SQ. YD.	2.00	1,847.78	
8" CONCRETE WALK	608	1600	SQ. FT.	9.00	14,400.00	
4" CONCRETE WALK	608	6115	SQ. FT.	6.00	36,690.00	
CONCRETE DRIVEWAY APRONS	452	87	SQ. YD.	40.00	2,868.67	
CURE RAMPS	608	16	BACH	700.00	11,200.00	
NEW/DETECTABLE WARNING	SS1851	16	EACH	400.00	6,400.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
				SIDEWALK SUBTOTAL	\$82,562.22	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1543	LIN. FT.	2.50	3,857.50	
SEEDING AND MULCHING	659	857.22	SQ. YD.	4.00	3,428.89	
				EROSION CONTROL SUBTOTAL	\$7,286.39	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	6,591.76	6,591.76	
FIELD OFFICE	619	1	LUMP	2,636.71	2,636.71	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,636.71	2,636.71	
MOBILIZATION	624	1	LUMP	3,955.06	3,955.06	
				MISCELLANEOUS SUBTOTAL	\$15,820.23	
					Project Subtotal	\$105,668.84
					15% Project Contingencies	\$15,850.33
					Opinion of Probable Construction Cost	\$121,519.17
					Force Account (10% of Subtotal)	\$12,151.92
					Engineering Design Services (15% of Subtotal)	\$16,227.88
					Right of Way Acquisition	\$0.00
					Utility Relocation	\$0.00
					PROJECT ESTIMATE	\$151,898.98

Northwest Boulevard (5th Avenue to King Avenue), King Avenue (Andover Road to Westwood Avenue)					QUAD	PRIORITY
General Estimating Data					NW	(5/6)
Street Classification	Arterial					
Priority Length (ft)	1383	if				
Anticipated Sidewalk width	5	if				
Number of intersection quadrants	4	ea				
Number of delays	1	ea				
Number of curb ramps	10	ea				
Number of driveways	4	ea				
Square feet of driveways (SQ FT)	400	sq ft				
square feet of sidewalk (SQ FT)	6915	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	100	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	Yes					
Proposed sidewalk typical (see exhibit 3)	3 & 4					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	296.11	CU. YD.	20.00	\$1,122.22	
EMBANKMENT	203	51.22	CU. YD.	20.00	1,024.44	
SUBGRADE COMPACTION	204	812.78	SQ. YD.	2.00	1,625.56	
8" CONCRETE WALK	608	1600	SQ. FT.	9.00	9,000.00	
4" CONCRETE WALK	608	5915	SQ. FT.	6.00	35,490.00	
CONCRETE DRIVEWAY APRONS	452	44	SQ. YD.	40.00	1,777.78	
CURE RAMPS	608	10	BACH	700.00	7,000.00	
NEW/DETECTABLE WARNING	SS1851	10	EACH	400.00	4,000.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	100	LF	60.00	6,000.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
				SIDEWALK SUBTOTAL	\$73,540.00	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1383	LIN. FT.	2.50	3,457.50	
SEEDING AND MULCHING	659	768.33	SQ. YD.	4.00	3,073.33	
				EROSION CONTROL SUBTOTAL	\$6,530.83	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	5,908.24	5,908.24	
FIELD OFFICE	619	1	LUMP	2,363.29	2,363.29	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,363.29	2,363.29	
MOBILIZATION	624	1	LUMP	3,544.04	3,544.04	
				MISCELLANEOUS SUBTOTAL	\$14,179.77	
					Project Subtotal	\$94,250.60
					15% Project Contingencies	\$14,137.59
					Opinion of Probable Construction Cost	\$108,388.19
					Force Account (10% of Subtotal)	\$10,838.82
					Engineering Design Services (15% of Subtotal)	\$16,258.23
					Right of Way Acquisition	\$0.00
					Utility Relocation	\$0.00
					PROJECT ESTIMATE	\$135,485.24

Quadrant	OS Priority	Project Length (feet)	Project Estimate (\$)	Project Estimate / FT (\$)	5 - Year Capital Improvement Projects (South East Quadrant)
SE	5/6 & 7/8	19,676	1,878,587	95.5	Parsons Avenue (Obetz Road to Dering Avenue)
SE	1/2	13,392	1,190,247	88.9	Waggoner Road (Broad Street to corp. line N)
SE	N/A	5,050	415,681	82.3	Moler Road (Lockbourne Road to Progress Avenue)
SE	5/6	9,648	943,425	97.8	Marion Road (Parsons Avenue to Lockbourne Road)
SE	5/6 & 7/8	6,354	716,808	112.8	Obetz Road (S. High Street to Parsons Avenue)
SE	7/8 & 9/10	1,483	514,985	347.3	Cole/Mooberry Street from Kelton Avenue to Berkeley Street & Cole Street from Seymour Avenue to Fairwood Avenue & Mooberry Street from Kelton Avenue to Berkely Road
SE	5/6 & 7/8	7,836	752,345	96.0	Nelson Road-Broad Street to Airport Drive
SE	5/6 & 7/8	4,881	508,446	104.2	South High Street-Obetz Road to Highview Boulevard
SE	5/6 & 7/8	17,025	1,860,872	109.3	South High Street from Highview Boulevard to Williams Road & Williams Road from High Street to Lockbourne Road
SE	3/4 & 5/6	1,340	128,568	95.9	Livingston Ave-Woodcrest Road to Lonsdale Road
SE	5/6 & 7/8	6,109	716,621	117.3	Nelson Road from Livingston Avenue to Main Street
SE	5/6 & 9/10	4,709	449,575	95.5	James Road from Main Street to Broad Street
SE	7/8	2,514	278,107	110.6	Marion Road from Lockbourne Road to Fairwood Avenue
SE	5/6 & 7/8	8,653	776,190	89.7	Groveport Road from Wilson Avenue to Augmont Avenue
SE	5/6 & 7/8	10,282	1,265,486	123.1	Lockbourne Road from SR 104 to Frebis Avenue
SE	5/6 & 7/8 & 9/10	4,812	498,613	103.6	Fairwood Avenue from Watkins Road to Koebel Road
SE	5/6 & 7/8	6,889	776,835	112.8	Lockbourne Road from Groveport Road to S.R. 104
SE TOTAL	17 Projects	130,653	13,671,391	104.6	

OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

- | | | | |
|----------------------------------|---------|-------------|----------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist_Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |

MATCHLINE SEE SHEET 2



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

City of Columbus
 Public Service Department
 Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 7,252'

R/W Acquisition: \$24,190
 Utility Relocation: 0
 Project Estimate: \$695,947

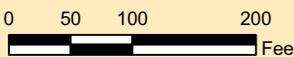
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 12,424'

R/W Acquisition: \$22,094
 Utility Relocation: 0
 Project Estimate: \$1,182,640

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Aerial Source:
 Franklin County 2007




OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

City of Columbus
 Public Service Department
 Transportation Division

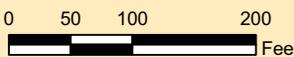
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 7,252'

R/W Acquisition: \$24,190
 Utility Relocation: 0
 Project Estimate: \$695,947

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 12,424'

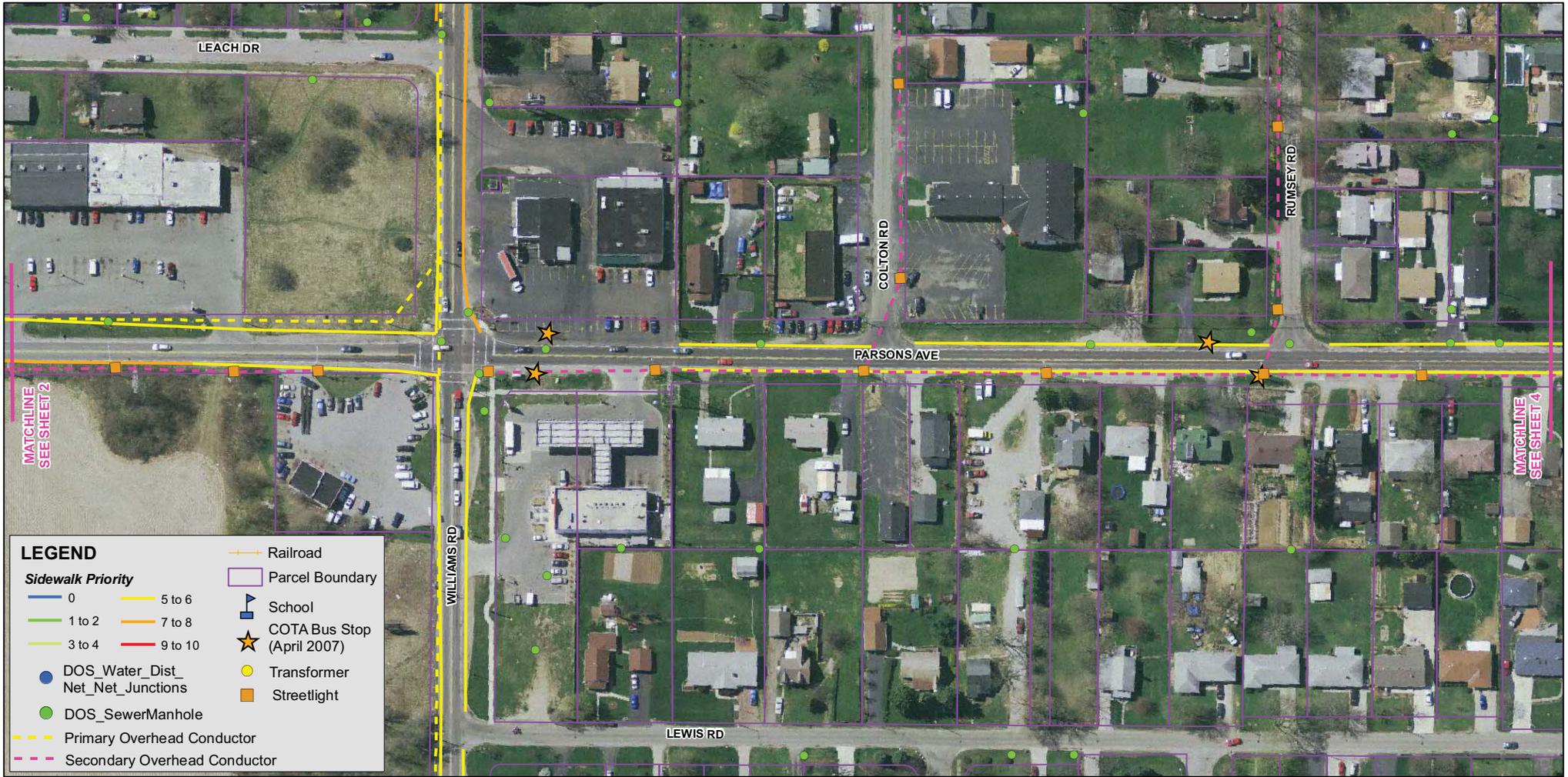
R/W Acquisition: \$22,094
 Utility Relocation: 0
 Project Estimate: \$1,182,640

Aerial Source:
 Franklin County 2007




OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

- | | | |
|------------------------------------|---------------|------------------------------|
| Sidewalk Priority | — Railroad | □ Parcel Boundary |
| 0 | 5 to 6 | ▢ School |
| 1 to 2 | 7 to 8 | ★ COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | ● Transformer |
| ● DOS_Water_Dist_Net_Net_Junctions | ■ Streetlight | |
| ● DOS_SewerManhole | | |
| --- Primary Overhead Conductor | | |
| --- Secondary Overhead Conductor | | |



City of Columbus
Public Service Department
Transportation Division

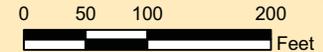
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 7,252'
 R/W Acquisition: \$24,190
 Utility Relocation: 0
 Project Estimate: \$695,947

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 12,424'
 R/W Acquisition: \$22,094
 Utility Relocation: 0
 Project Estimate: \$1,182,640

Page 3 of 8

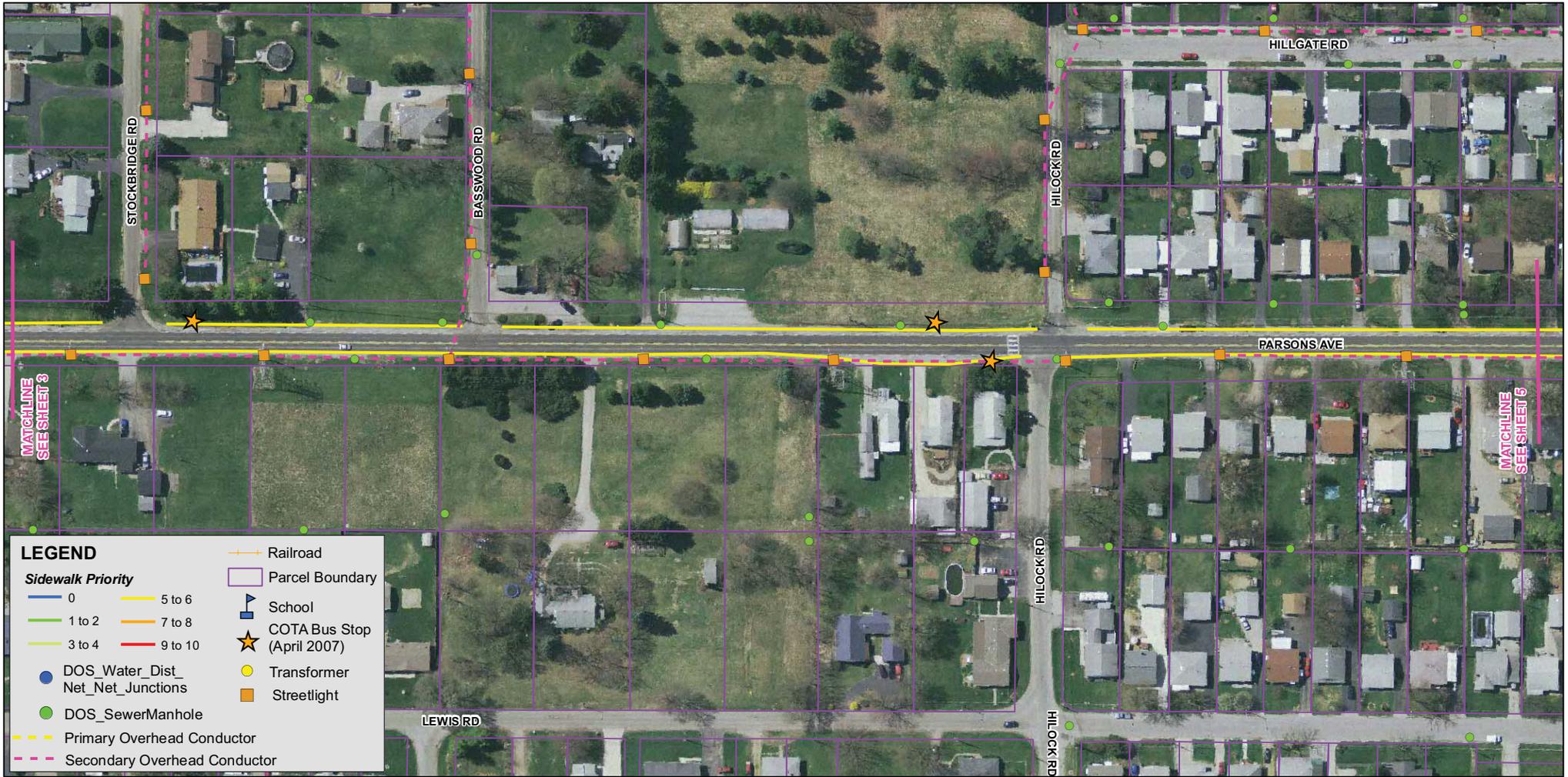


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

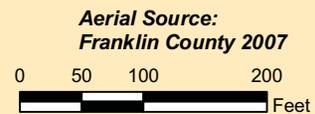
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|------------------|-------------|----------------------------------|------------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | DOS_Water_Dist_Net_Net_Junctions | Transformer |
| DOS_SewerManhole | Streetlight | Primary Overhead Conductor | Secondary Overhead Conductor |



City of Columbus
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OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

- | | | |
|----------------------------------|-------------|----------------------------|
| 0 | 5 to 6 | Parcel Boundary |
| 1 to 2 | 7 to 8 | School |
| 3 to 4 | 9 to 10 | COTA Bus Stop (April 2007) |
| DOS_Water_Dist_Net_Net_Junctions | Transformer | Streetlight |
| DOS_SewerManhole | Railroad | |
| Primary Overhead Conductor | | |
| Secondary Overhead Conductor | | |



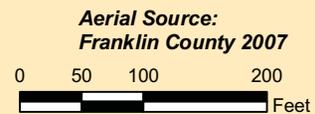
City of Columbus
Public Service Department
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OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

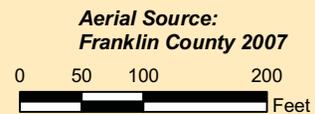
- | | | | |
|------------------|-------------|----------------------------------|------------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | DOS_Water_Dist_Net_Net_Junctions | Transformer |
| DOS_SewerManhole | Streetlight | Primary Overhead Conductor | Secondary Overhead Conductor |



City of Columbus
Public Service Department
Transportation Division

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OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

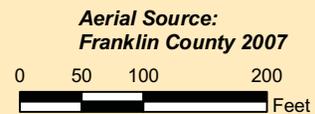
- | | | | |
|----------------------------------|---------|-------------|----------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist_Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
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City of Columbus
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Transportation Division

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OPERATION SAFEWALKS

Parsons Avenue from Obetz Road to Dering Avenue



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			

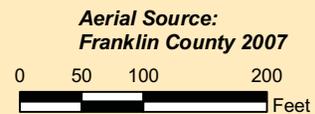


City of Columbus
Public Service Department
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PROJECT SUMMARY
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 R/W Acquisition: \$22,094
 Utility Relocation: 0
 Project Estimate: \$1,182,640

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Picture is directed north approx. 200' north of Obetz Road. Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for the ditches. Careful location of the walk will be required at the tower. Recommend locating walk behind the tower side furthest from the road.



Picture is directed north approximately 100' south of Leach Drive. The agricultural areas to the east of Parsons Avenue will require R/W and significant drainage provisions.



Picture is directed north approximately 350' south of Williams Road. The agricultural areas to the east of Parsons Avenue will require R/W and significant drainage provisions.



Picture is directed north approximately 400' south of Ziegler Avenue. Careful location of the walk will be required at the power tower. Recommend locating walk behind the tower side furthest from the road.



OPERATION SAFEWALKS - Parsons Avenue (Obetz Road to Dering Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	Parsons Avenue (Obetz Road to Dering Avenue)	Arterial (4-2)	7252	7	Varies from 22' to 30' at intersections	Varies from 60' to 90'	15' min at various locations	Majority of Project (Yes) - but agricultural areas in particular (No)	None apparent	1	0	0	2	\$24,190	None anticipated	\$0	\$537,405	\$695,947	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for the ditches. The agricultural areas to the east will require R/W and significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage and R/W will be required.
SE	(5/6)	Parsons Avenue (Obetz Road to Dering Avenue)	Arterial (4-2)	12424	7	Varies from 22' to 30' at intersections	Varies from 60' to 90'	15' min at various locations	Majority of Project (Yes) - but agricultural areas in particular (No)	None apparent	1	0	0	4	\$22,094	None anticipated	\$0	\$928,437	\$1,182,640	No	Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for the ditches. The agricultural areas to the east will require R/W and significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage and R/W will be required.

Parsons Avenue (Obetz Road to Dering Avenue) QUAD SE PRIORITY (7/8)				
General Estimating Data				
Street Classification	Arterial (4-2)			
Priority Length (ft)	7252	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	18	ea		
Number of alleys	0	ea		
Number of curb ramps	36	ea		
Number of driveways	22	ea		
Square feet of driveways (SQ FT)	2200	sq ft		
square feet of sidewalk (SQ FT)	50764	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	1890.15	CU YD.	20.00
EMBANKMENT	203	268.59	CU YD.	20.00
SUBGRADE COMPACTION	204	5884.89	SQ YD.	2.00
8" CONCRETE WALK	608	3600	SQ FT.	9.00
4" CONCRETE WALK	608	47164	SQ FT.	6.00
CONCRETE DRIVEWAY APRONS	452	244	SQ YD.	40.00
CURE RAMPS	608	36	BACH	700.00
NEW/DETECTABLE WARNING	SS1851	36	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
SIDEWALK SUBTOTAL				\$422,006.37
EROSION CONTROL				
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	7252	LIN. FT.	2.50
SEEDING AND MULCHING	659	4028.89	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$34,245.56
MISCELLANEOUS (PRORATED)				
MAINTAINING TRAFFIC	614	1	LUMP	4,807.14
FIELD OFFICE	619	1	LUMP	1,842.85
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,842.85
MOBILIZATION	624	1	LUMP	2,764.28
MISCELLANEOUS SUBTOTAL				\$11,057.13
Project Subtotal				\$467,309.05
15% Project Contingencies				\$70,096.36
Opinion of Probable Construction Cost				\$537,405.41
Force Account (10% of Subtotal)				\$53,740.54
Engineering Design Services (15% of Subtotal)				\$80,610.81
Right of Way Acquisition				\$24,199.81
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$695,946.57

Parsons Avenue (Obetz Road to Dering Avenue) QUAD SE PRIORITY (5/6)				
General Estimating Data				
Street Classification	Arterial (4-2)			
Priority Length (ft)	12424	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	21	ea		
Number of alleys	2	ea		
Number of curb ramps	46	ea		
Number of driveways	103	ea		
Square feet of driveways (SQ FT)	10300	sq ft		
square feet of sidewalk (SQ FT)	86968	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	3221.04	CU YD.	20.00
EMBANKMENT	203	460.15	CU YD.	20.00
SUBGRADE COMPACTION	204	10807.56	SQ YD.	2.00
8" CONCRETE WALK	608	4800	SQ FT.	9.00
4" CONCRETE WALK	608	82368	SQ FT.	6.00
CONCRETE DRIVEWAY APRONS	452	1144	SQ YD.	40.00
CURE RAMPS	608	46	BACH	700.00
NEW/DETECTABLE WARNING	SS1851	46	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00
SIDEWALK SUBTOTAL				\$729,724.59
EROSION CONTROL				
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	12424	LIN. FT.	2.50
SEEDING AND MULCHING	659	6902.22	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$58,668.89
MISCELLANEOUS				
MAINTAINING TRAFFIC	614	1	LUMP	7,892.86
FIELD OFFICE	619	1	LUMP	3,157.15
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,157.15
MOBILIZATION	624	1	LUMP	4,735.72
MISCELLANEOUS SUBTOTAL				\$18,942.87
Project Subtotal				\$807,336.36
15% Project Contingencies				\$121,100.45
Opinion of Probable Construction Cost				\$928,436.81
Force Account (10% of Subtotal)				\$80,843.68
Engineering Design Services (15% of Subtotal)				\$139,265.52
Right of Way Acquisition				\$24,094.03
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$1,192,640.03

OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



LEGEND

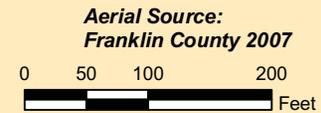
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist	Net_Net_Junctions			Transformer	Streetlight
DOS_SewerManhole	Primary Overhead Conductor			Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 1-2: 13,392'
 R/W Acquisition: \$134,594
 Utility Relocation: 0
 Project Estimate: \$1,190,247

Page 1 of 6



OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



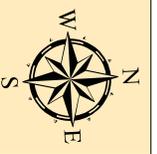
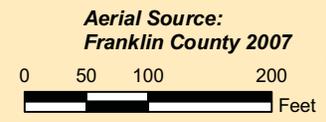
LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist	DOS_SewerManhole	Primary Overhead Conductor	Secondary Overhead Conductor
Net_Net_Junctions			



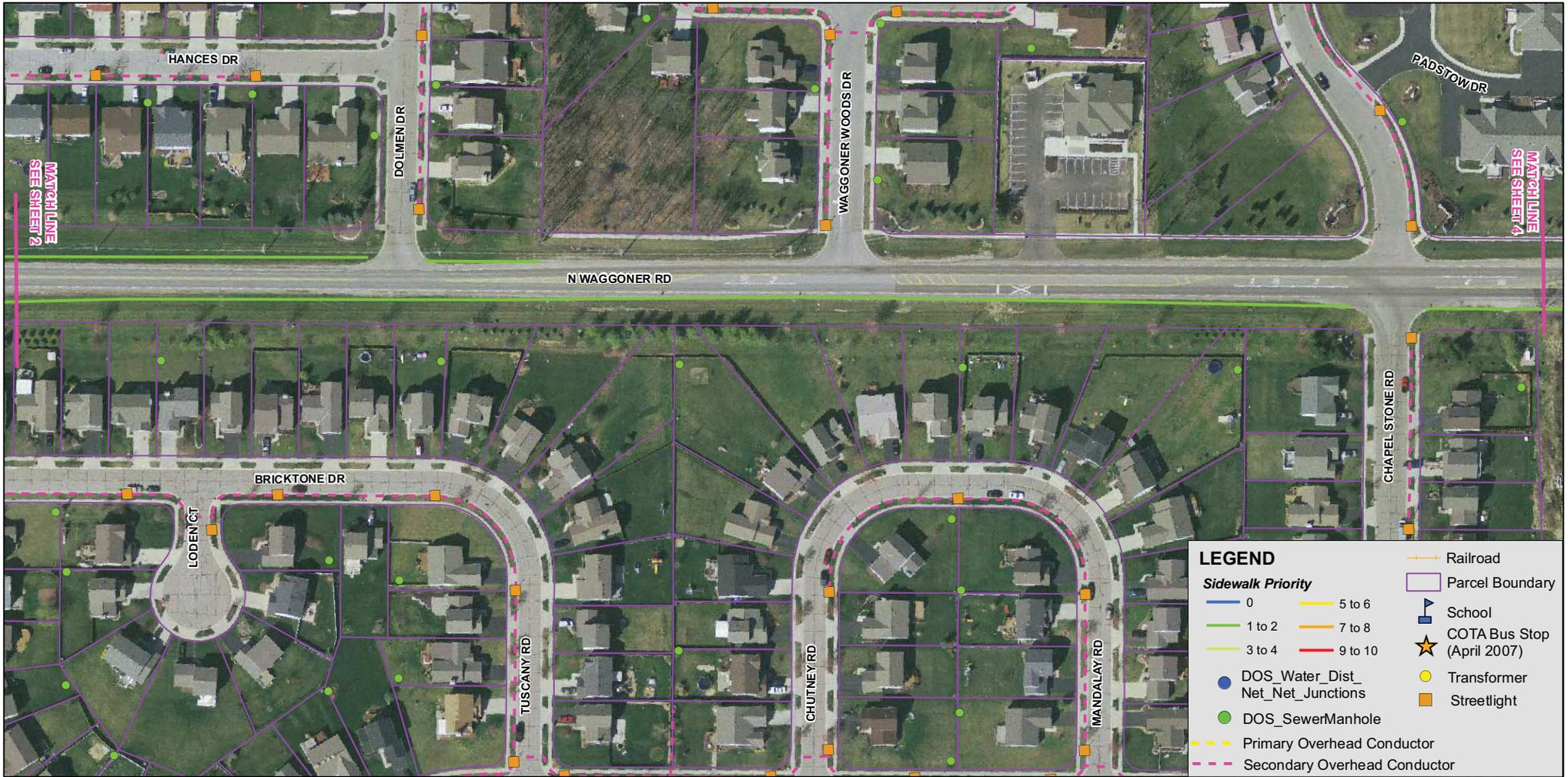
City of Columbus
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OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

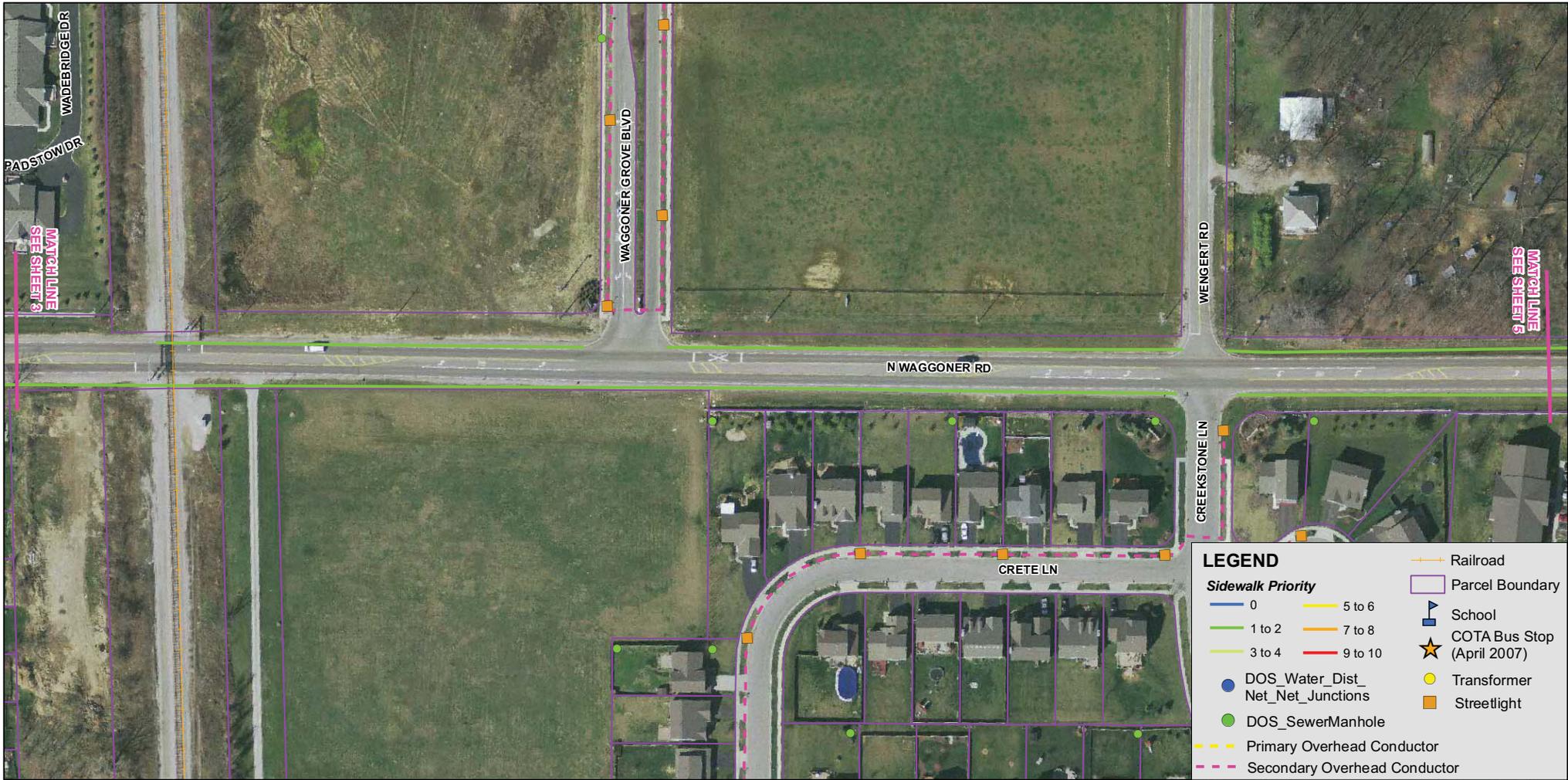
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Page 3 of 6

Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

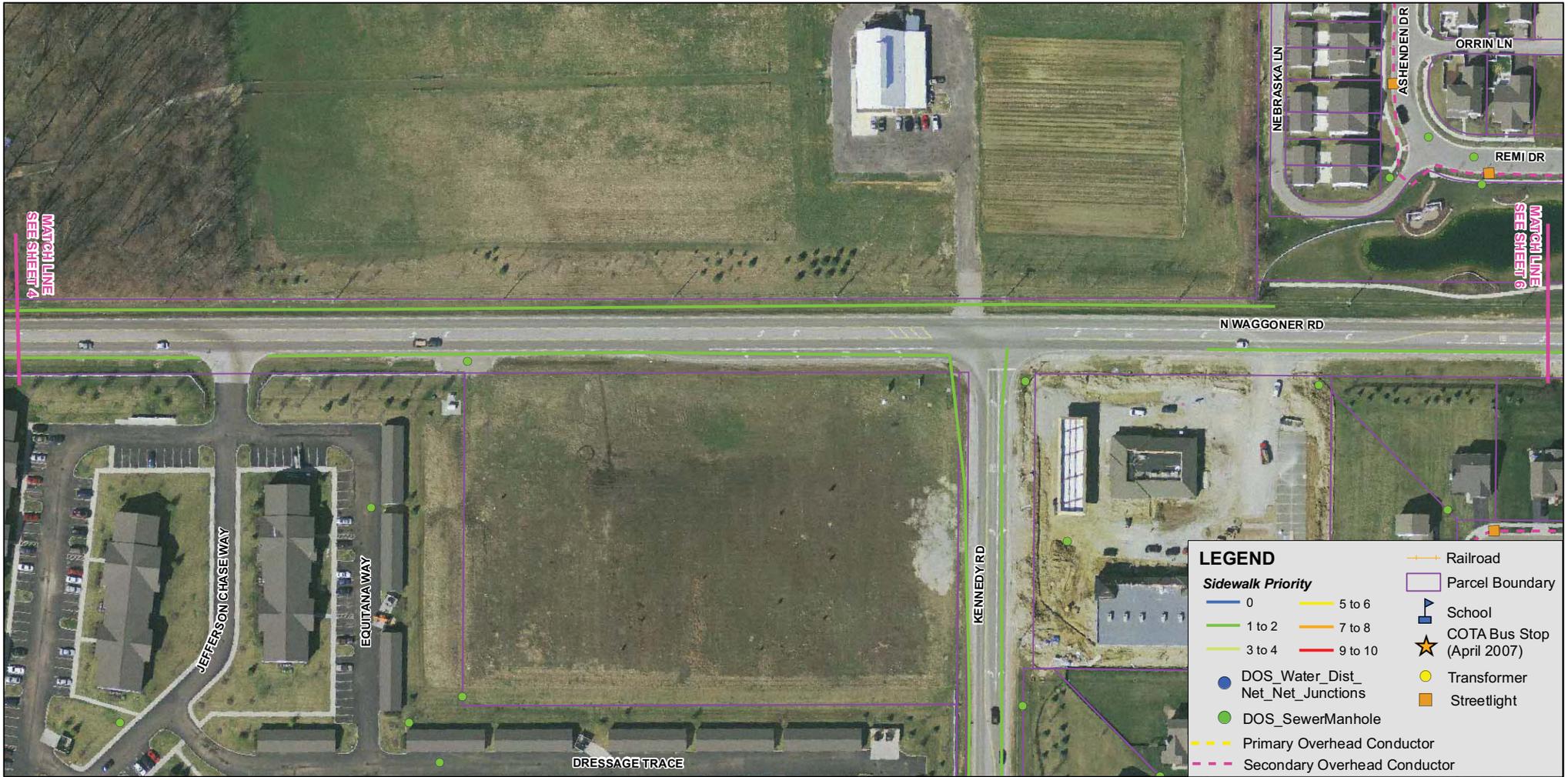
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Page 4 of 6

Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



LEGEND

0	5 to 6	Railroad
1 to 2	7 to 8	Parcel Boundary
3 to 4	9 to 10	School
DOS_Water_Dist	COTA Bus Stop (April 2007)	Transformer
Net_Net_Junctions	Streetlight	
DOS_SewerManhole		
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

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Page 5 of 6

Aerial Source:
Franklin County 2007

0 50 100 200 Feet

OPERATION SAFEWALKS

Waggoner Road from Broad Street to Corporation Line North



LEGEND

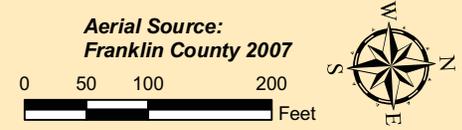
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	DOS_Water_Dist Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
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 R/W Acquisition: \$134,594
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 Project Estimate: \$1,190,247

Page 6 of 6





Picture is directed north at Overmont Ridge Road. Majority of limits is a non-curbed road - Several locations of R/W needed - steep drop off on both sides of road between Overmont Ridge Road and Crawford Farms is a considerable design issue. A trail separate from the road is a suggested option in this particular limit of the project.



Picture is directed north 400' north of Overmont Ridge Road. This location would need road and culvert widening to keep the walk immediately adjacent to the road; however, allowable offset criteria would not be met. A separate trail is another suggestion in this limit (between Overmont Ridge Road and Crawford Farms).



Picture is directed north at railroad crossing - coordination with railroad will be required for proposed walk improvements.



Picture is directed north 400' north of Willow Brook Crossing. This location would need road and culvert widening to keep the walk immediately adjacent to the road; however allowable offset criteria would not be met.



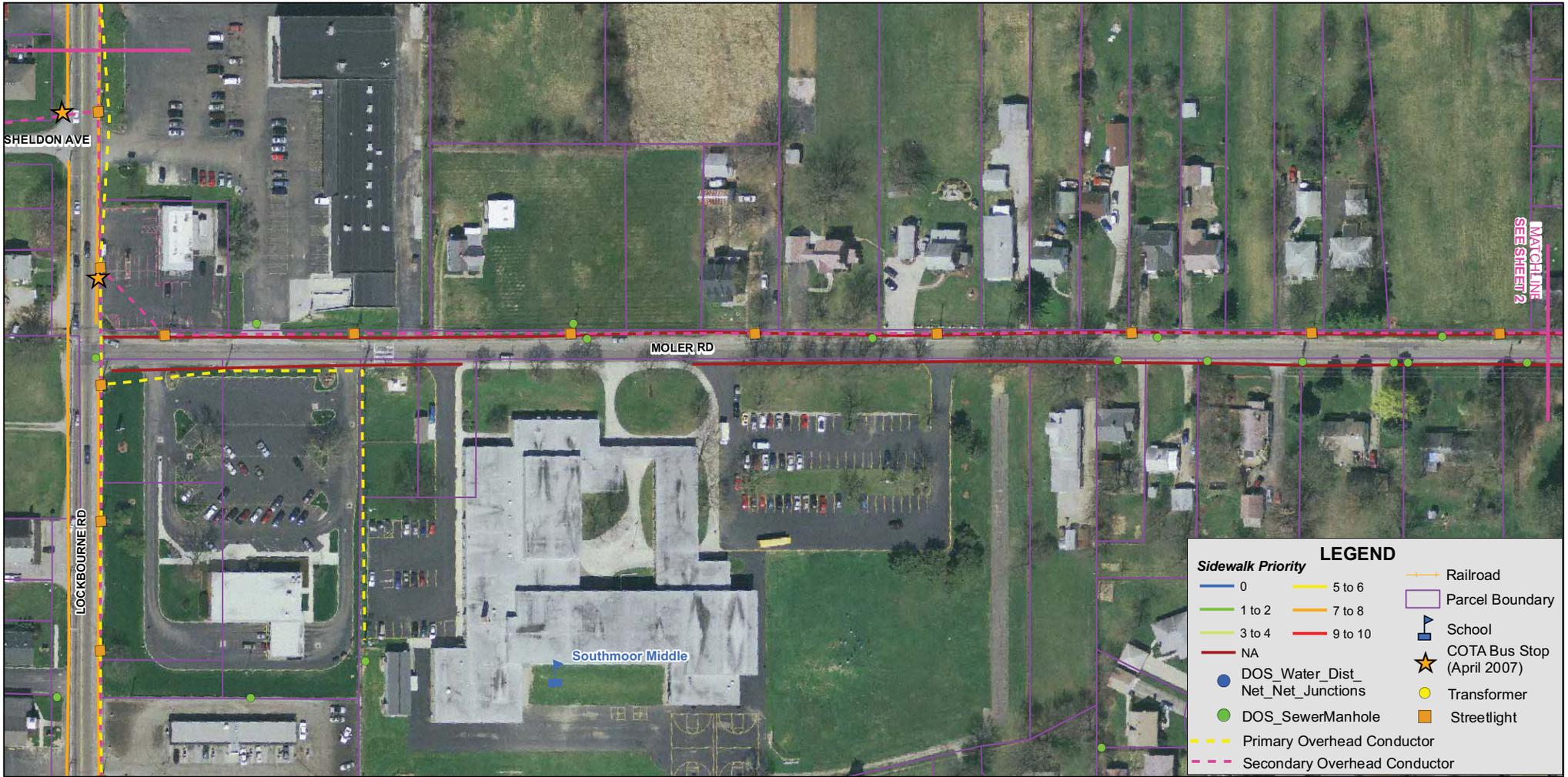
OPERATION SAFEWALKS - Waggoner Road (Broad Street to Corporation Line North)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(1/2)	Waggoner Road (Broad Street to Corporation Line North)	Arterial (4-2)	13392	5	Varies - 24' min	Varies - 60' min to 110' max	Varies - 18' min	Several locations could with proper design.	None apparent	1	0	0	9	\$134,594	pole line exists, but relocation not anticipated with appropriate design	\$0	\$844,522	\$1,190,247	No	Majority of limits is a non-curbed road - Several locations of RW needed - drainage issues will need to be resolved - two bridge structures will need widened - major utility relocations are not anticipated - Recommend No to QTC.

Waggoner Road (Broad Street to Corporation Line North)		QUAD	PRIORITY
		SE	(1/2)
General Estimating Data			
Street Classification	Arterial (4-2)		
Priority Length (ft)	13392	lf	
Anticipated Sidewalk width	5	lf	
Number of intersection quadrants	26	ea	
Number of alleys	0	ea	
Number of curb ramps	52	ea	
Number of driveways	10	ea	
Square feet of driveways (SQ FT)	1000	sq ft	
square feet of sidewalk (SQ FT)	66960	sq ft	
retaining wall estimate greater than 4 ft in height	0	lf	
retaining wall estimate less than 4 ft in height	0	lf	
Estimate of signal upgrades	1	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00 \$2,500.00
EXCAVATION	203	2480.00	CU. YD. 20.00 49,600.00
EMBANKMENT	203	486.00	CU. YD. 20.00 9,720.00
SUBGRADE COMPACTION	204	7551.11	SQ. YD. 2.00 15,102.22
8" CONCRETE WALK	608	5200	SQ. FT. 9.00 46,800.00
4" CONCRETE WALK	608	61760	SQ. FT. 6.00 370,560.00
CONCRETE DRIVEWAY APRONS	452	1111	SQ. YD. 40.00 4,444.44
CURB RAMPS	508	52	EACH 700.00 36,400.00
NEW-DETECTABLE WARNING	SS1551	52	EACH 400.00 20,800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LN. FT. 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LN. FT. 60.00 0.00
SIGNAL UPGRADE ESTIMATE (1 R/W sign)	SPECIAL	1	EACH 25,000.00 25,000.00
DRAINAGE ESTIMATE (2 Box Culvert Extensions - est 60')	SPECIAL	1	LUMP 60,000.00 60,000.00
		SIDEWALK SUBTOTAL	\$641,126.67
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	13392	LN. FT. 2.50 33,480.00
SEEDING AND MULCHING	659	7440.00	SQ. YD. 4.00 29,760.00
		EROSION CONTROL SUBTOTAL	\$63,240.00
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$734,366.67
		15% Project Contingencies	\$110,155.00
		Opinion of Probable Construction Cost	\$844,521.67
		Force Account (10% of Subtotal)	\$84,452.17
		Engineering Design Services (15% of Subtotal)	\$128,678.25
		Right of Way Acquisition	\$134,594.49
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$1,190,246.67

OPERATION SAFEWALKS

Moler Road from Lockbourne Road to Progress Avenue



LEGEND

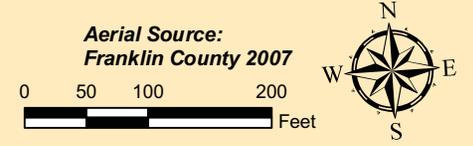
Sidewalk Priority	<ul style="list-style-type: none"> — 0 — 1 to 2 — 3 to 4 — NA ● DOS_Water_Dist_Net_Net_Junctions ● DOS_SewerManhole - - - Primary Overhead Conductor - - - Secondary Overhead Conductor 	<ul style="list-style-type: none"> —+— Railroad □ Parcel Boundary ▢ School ★ COTA Bus Stop (April 2007) ● Transformer ■ Streetlight
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City of Columbus
Public Service Department
Transportation Division

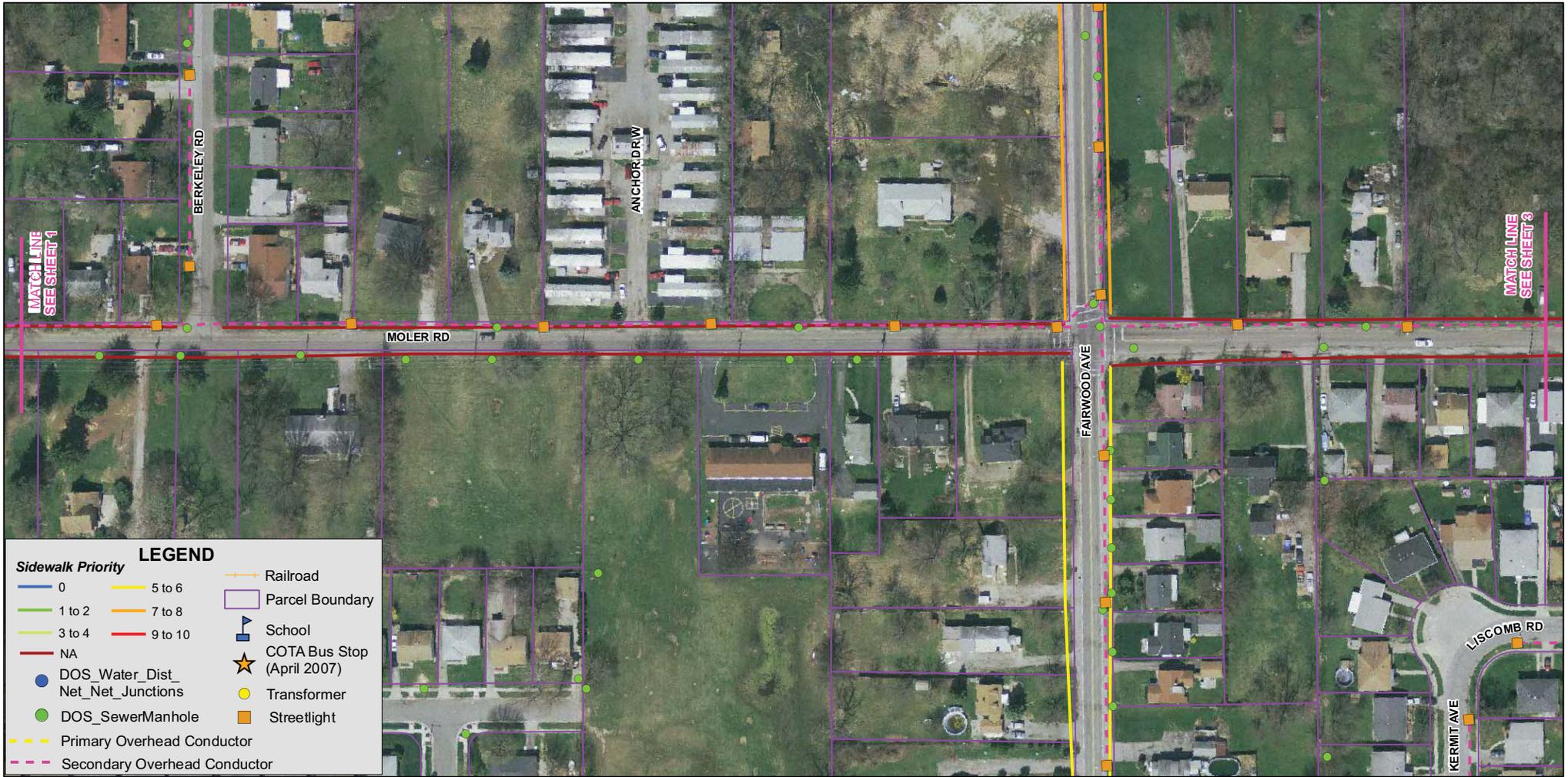
PROJECT SUMMARY
 Quadrant: SE
 Project Length: N/A - 9,350
 R/W Acquisition: \$309,461
 Utility Relocation: 0
 Project Estimate: \$990,113

Page 1 of 4



OPERATION SAFEWALKS

Moler Road from Lockbourne Road to Progress Avenue



LEGEND

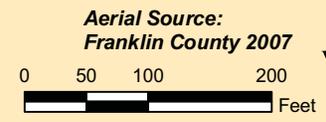
Sidewalk Priority	<ul style="list-style-type: none"> 0 1 to 2 3 to 4 NA DOS_Water_Dist Net_Net_Junctions DOS_SewerManhole Primary Overhead Conductor Secondary Overhead Conductor 	<ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 Railroad Parcel Boundary School COTA Bus Stop (April 2007) Transformer Streetlight
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City of Columbus
Public Service Department
Transportation Division

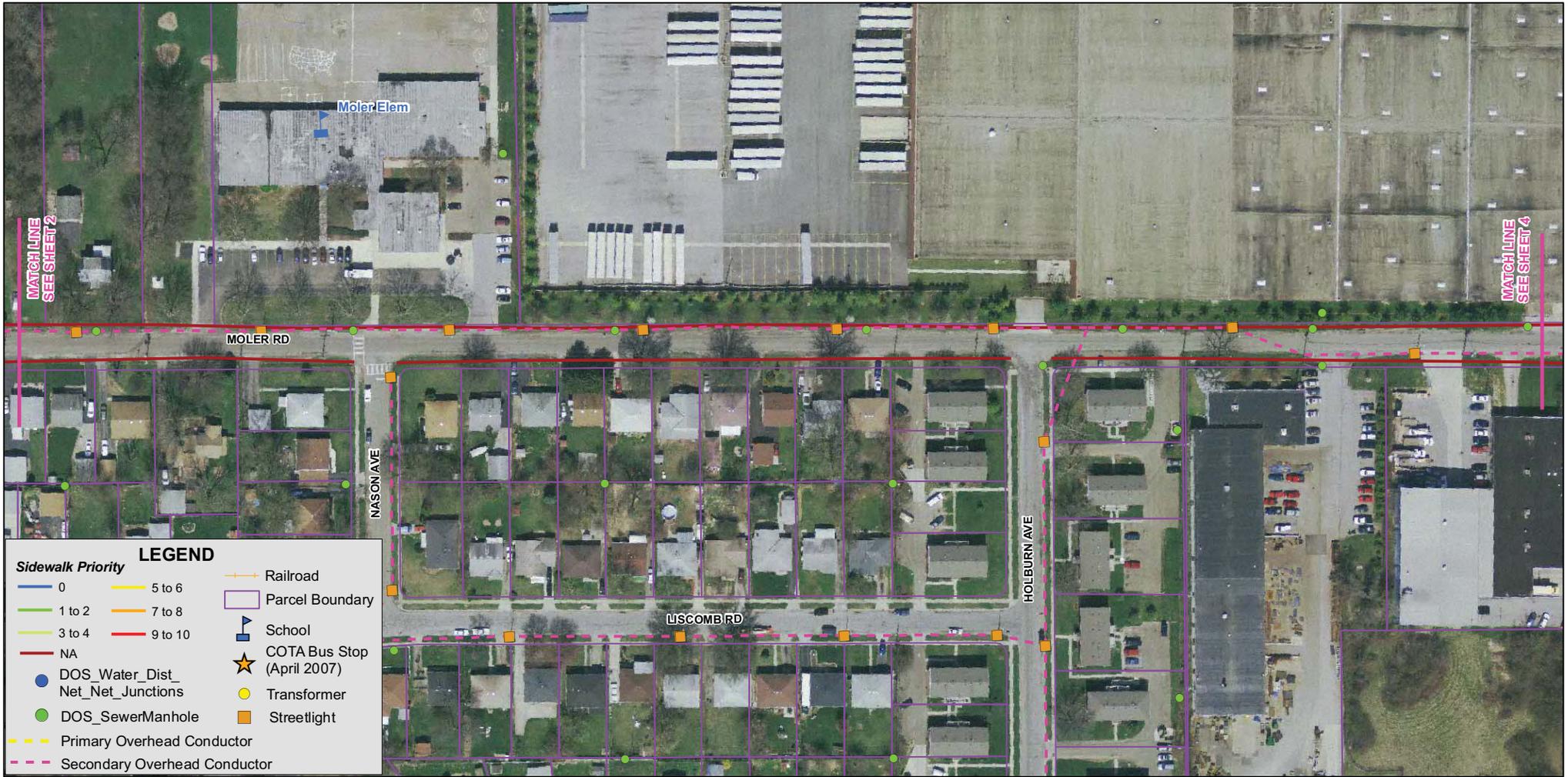
PROJECT SUMMARY
 Quadrant: SE
 Project Length: N/A - 9,350
 R/W Acquisition: \$309,461
 Utility Relocation: 0
 Project Estimate: \$990,113

Page 2 of 4



OPERATION SAFEWALKS

Moler Road from Lockbourne Road to Progress Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	Parcel Boundary
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	School
NA	COTA Bus Stop (April 2007)	Transformer
DOS_Water_Dist	Streetlight	
Net_Net_Junctions		
DOS_SewerManhole		
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: N/A - 9,350
 R/W Acquisition: \$309,461
 Utility Relocation: 0
 Project Estimate: \$990,113

Page 3 of 4

Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

Moler Road from Lockbourne Road to Progress Avenue



LEGEND

Sidewalk Priority		
0	5 to 6	Railroad
1 to 2	7 to 8	Parcel Boundary
3 to 4	9 to 10	School
NA		COTA Bus Stop (April 2007)
DOS_Water_Dist_		Transformer
Net_Net_Junctions		Streetlight
DOS_SewerManhole		
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: N/A - 9,350
 R/W Acquisition: \$309,461
 Utility Relocation: 0
 Project Estimate: \$990,113

Page 4 of 4

Aerial Source:
Franklin County 2007



Picture is directed east approx. 600' east of Lockbourne Road. Sidewalk could be placed behind pole line on the north side of Moler and behind the trees on the south side. Right of Way will be needed, but utilities should be clear. Ditch drainage will need addressed.



Picture is directed east just west of Fairwood Avenue. Sidewalk could be placed adjacent and offset from road shoulder. Right of Way will be needed, but utilities should be clear. Ditch drainage will need addressed.



Picture is directed east approx. 400' east of Fairwood Avenue. Sidewalk could be placed behind pole line on the south side. Right of Way will be needed, but utilities should be clear. Ditch drainage will need addressed.



Picture is directed east approx. 100' east of Holburn Ave. Sidewalk could be placed behind pole line on the both sides. Right of Way will be needed on the north side, while the south side should be OK. Utilities should be clear. Ditch drainage will need addressed.



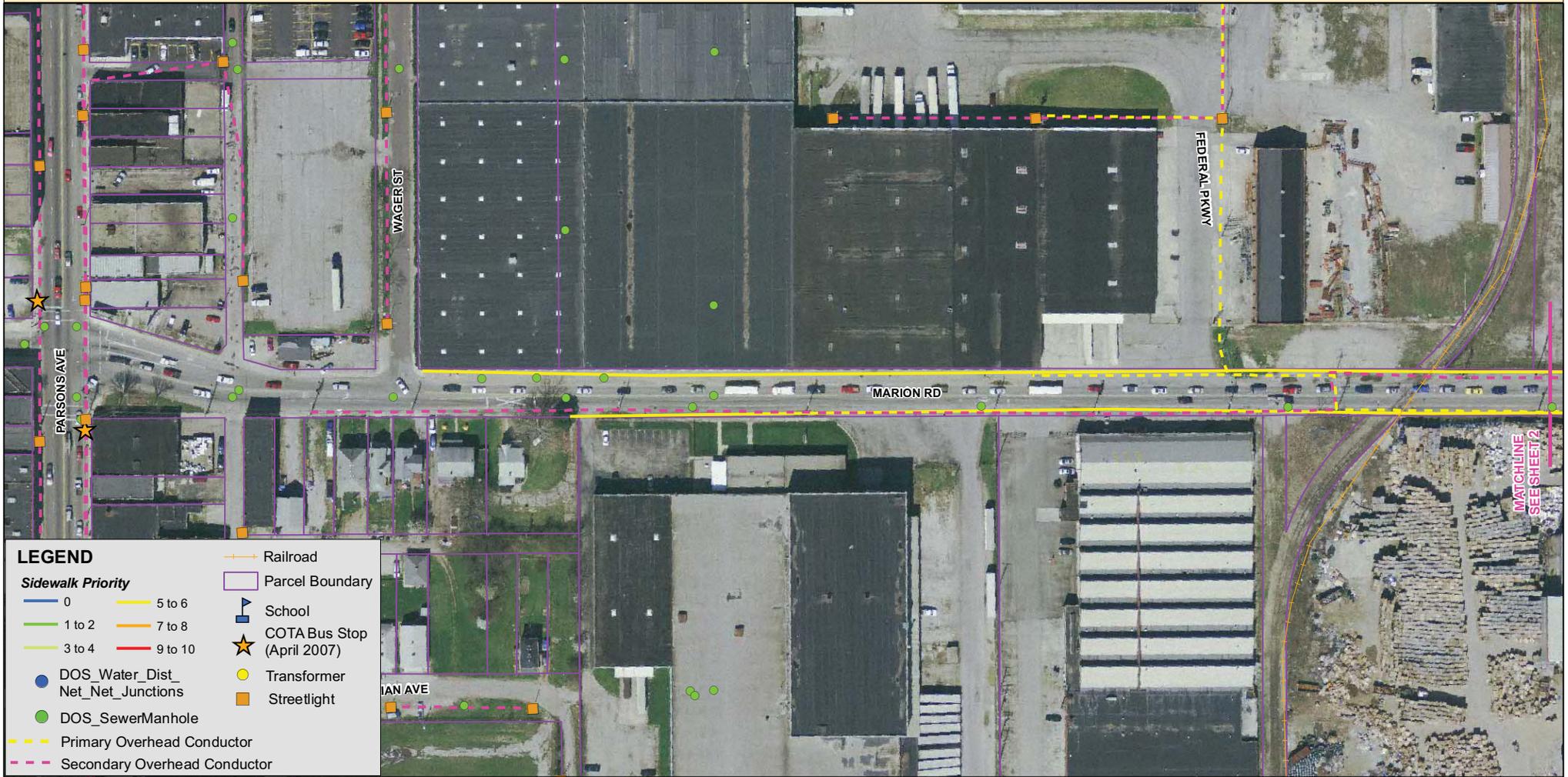
OPERATION SAFEWALKS - Moler Road (Lockbourne Road to Progress Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	N/A	Moler Road (Lockbourne Road to Progress Avenue)	Arterial	9350	5	22'	varies - 30' to 45'	Varies from min-4' (LT & RT) to max 4' LT & 19' RT)	Not w/o additional R/W	None apparent	1	0	0	54	\$309,461	pole line exists, but relocation not anticipated	\$0	\$544,522	\$990,113	No	Non-curbed road - Right of Way will be required - considerable drainage issues - utilities relocations not anticipated - Recommend No to QTC

Moler Road (Lockbourne Road to Progress Avenue)		QUAD	PRIORITY
		SE	N/A
General Estimating Data			
Street Classification	Arterial		
Priority Length (ft)	9350	lf	
Anticipated Sidewalk width	5	ft	
Number of intersection quadrants	11	ea	
Number of alleys	0	ea	
Number of curb ramps	22	ea	
Number of driveways	72	ea	
Square feet of driveways (SQ FT)	7200	sq ft	
square feet of sidewalk (SQ FT)	46750	sq ft	
retaining wall estimate greater than 4 ft in height	0	lf	
retaining wall estimate less than 4 ft in height	0	lf	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00 \$2,500.00
EXCAVATION	203	1731.48	CU. YD. 20.00 34,629.63
EMBANKMENT	203	348.30	CU. YD. 20.00 6,925.93
SUBGRADE COMPACTION	204	5994.44	SQ. YD. 2.00 11,988.88
8" CONCRETE WALK	608	2200	SQ. FT. 9.00 19,800.00
4" CONCRETE WALK	608	44550	SQ. FT. 6.00 267,300.00
CONCRETE DRIVEWAY APRONS	452	800	SQ. YD. 40.00 32,000.00
CURB RAMPS	608	22	EACH 700.00 15,400.00
NEW-DETECTABLE WARNING	SS1551	22	EACH 400.00 8,800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 80.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00 0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$399,344.44
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	9350	LIN. FT. 2.50 23,375.00
SEEDING AND MULCHING	659	5194.44	SQ. YD. 4.00 20,777.78
		EROSION CONTROL SUBTOTAL	\$44,152.78
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$473,497.22
		15% Project Contingencies	\$71,024.58
		Opinion of Probable Construction Cost	\$544,521.81
		Force Account (10% of Subtotal)	\$54,452.18
		Engineering Design Services (15% of Subtotal)	\$81,678.27
		Right of Way Acquisition	\$309,460.88
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$990,113.14

OPERATION SAFEWALKS

Marion Road from Parsons Avenue to Lockbourne Road



LEGEND

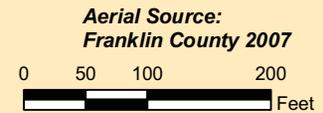
- | | | | |
|----------------------------------|---------|-------------|----------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist_Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 9,648'
 R/W Acquisition: \$45,576
 Utility Relocation: 0
 Project Estimate: \$943,425

Page 1 of 4



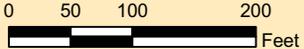
OPERATION SAFEWALKS

Marion Road from Parsons Avenue to Lockbourne Road



LEGEND

- | | | |
|---|---|---|
| <p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist_Net_Net_Junctions DOS_SewerManhole | <ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 Transformer Streetlight | <ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007) |
| <ul style="list-style-type: none"> Primary Overhead Conductor Secondary Overhead Conductor | | |

 <p>MAYOR MIKE COLEMAN OPERATION SAFE WALKS</p> <p>City of Columbus Public Service Department Transportation Division</p>	<p>PROJECT SUMMARY Quadrant: SE Project Length: 5-6 = 9,648'</p> <p>R/W Acquisition: \$45,576 Utility Relocation: 0 Project Estimate: \$943,425</p>	<p>Page 2 of 4</p> 	<p>Aerial Source: Franklin County 2007</p>  
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OPERATION SAFEWALKS

Marion Road from Parsons Avenue to Lockbourne Road



LEGEND

- | | | | |
|------------------|-------------|----------------------------------|------------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | DOS_Water_Dist_Net_Net_Junctions | Transformer |
| DOS_SewerManhole | Streetlight | Primary Overhead Conductor | Secondary Overhead Conductor |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 9,648'
 R/W Acquisition: \$45,576
 Utility Relocation: 0
 Project Estimate: \$943,425

Page 3 of 4

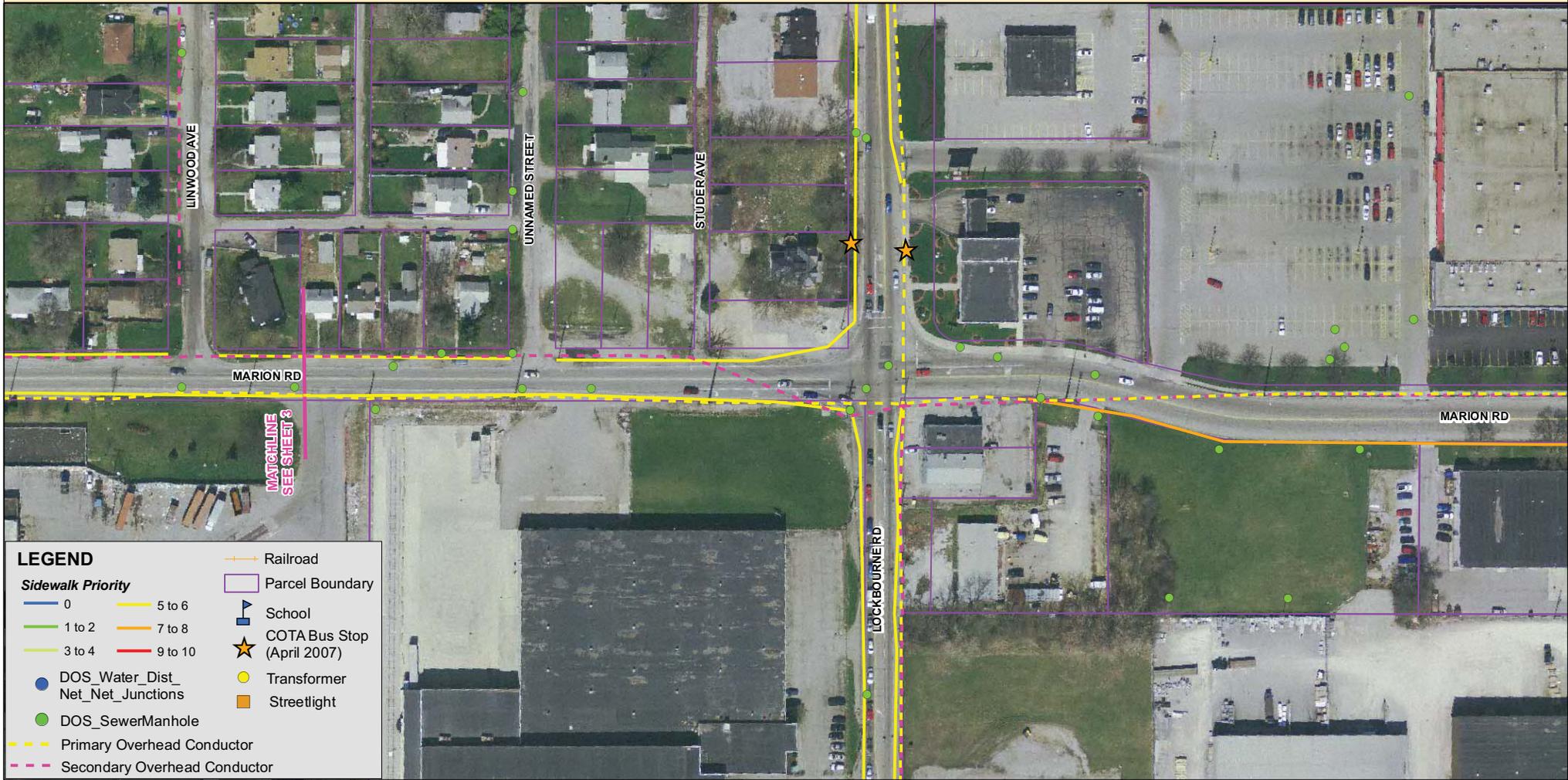


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Marion Road from Parsons Avenue to Lockbourne Road



LEGEND

Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Light Green line)
- 5 to 6 (Yellow line)
- 7 to 8 (Orange line)
- 9 to 10 (Red line)

- DOS_Water_Dist_Net_Net_Junctions (Blue circle)
- DOS_SewerManhole (Green circle)

- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue square with flag)
- COTA Bus Stop (April 2007) (Yellow star)
- Transformer (Yellow circle)
- Streetlight (Orange square)



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 9,648'
 R/W Acquisition: \$45,576
 Utility Relocation: 0
 Project Estimate: \$943,425

Page 4 of 4



Aerial Source:
Franklin County 2007







Picture is directed east approximately 500' east of Parsons Avenue. This project is part of a DOSD project and sidewalks are being installed with that project. Majority of both sides are clear and a sidewalk could be installed with storm drainage provisions added.



Picture is directed east at railroad crossing. This project is part of a DOSD project and sidewalks are being installed with that project. Majority of both sides are clear and a sidewalk could be installed with storm drainage provisions added.



Picture is directed east just east of the railroad crossing. This project is part of a DOSD project and sidewalks are being installed with that project. Utility conflicts will need to be resolved with the proposed DOSD project.



Picture is directed east approximately 850' east of the railroad. This project is part of a DOSD project and sidewalks are being installed with that project. Majority of both sides are clear and a sidewalk could be installed with storm drainage provisions added.



OPERATION SAFEWALKS - Marion Road (Parsons Avenue to Lockbourne Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(5/6)	Marion Road (Parsons Avenue to Lockbourne Road)	Arterial (C)	9648	7	Varies from 24' to 36'	50'	7' min at various locations	No	None apparent	1	0	0	10	\$45,576	pole line exists both sides, but relocation not anticipated with appropriate sidewalk placement	\$0	\$718,279	\$943,425	No	This project limits is part of a DOSD project and sidewalks are being installed with that project. Majority of both sides are clear and a sidewalk could be installed with storm drainage provisions added. RW appears to be required near intersections, mainly corner clips and NW/SW corner at Lockbourne. - NO to QTC.

Marion Road (Parsons Avenue to Lockbourne Road)		QUAD	PRIORITY
		SE	(5/6)
General Estimating Data			
Street Classification	Arterial (C)		
Priority Length (ft)	9648	lf	
Anticipated Sidewalk width	7	lf	
Number of intersection quadrants	11	ea	
Number of alleys	1	ea	
Number of curb ramps	24	ea	
Number of driveways	44	ea	
Square feet of driveways (SQ FT)	4400	sq ft	
square feet of sidewalk (SQ FT)	67536	sq ft	
retaining wall estimate greater than 4 ft in height	0	lf	
retaining wall estimate less than 4 ft in height	0	lf	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00 \$2,500.00
EXCAVATION	203	2501.33	CU. YD. 20.00 50,026.67
EMBANKMENT	203	357.33	CU. YD. 20.00 7,146.67
SUBGRADE COMPACTION	204	7992.89	SQ. YD. 2.00 15,985.78
8" CONCRETE WALK	608	2400	SQ. FT. 9.00 21,600.00
4" CONCRETE WALK	608	65136	SQ. FT. 6.00 390,816.00
CONCRETE DRIVEWAY APRONS	452	489	SQ. YD. 40.00 19,555.56
CURB RAMPS	508	24	EACH 700.00 16,800.00
NEW-DETECTABLE WARNING	SS1551	24	EACH 400.00 9,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LN. FT. 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LN. FT. 60.00 0.00
SIGNAL UPGRADE ESTIMATE (RR)	SPECIAL	1	EACH 15,000.00 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$549,030.67
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	9648	LN. FT. 2.50 24,120.00
SEEDING AND MULCHING	659	5360.00	SQ. YD. 4.00 21,440.00
		EROSION CONTROL SUBTOTAL	\$45,560.00
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$624,590.67
		15% Project Contingencies	\$93,688.60
		Opinion of Probable Construction Cost	\$718,279.27
		Force Account (10% of Subtotal)	\$71,827.93
		Engineering Design Services (15% of Subtotal)	\$107,741.89
		Right of Way Acquisition	\$45,575.76
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$943,424.84

OPERATION SAFEWALKS

Obetz Road from S. High Street to Parsons Avenue



LEGEND

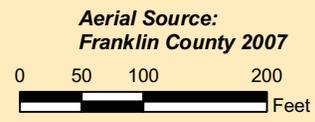
<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 (Blue line) 1 to 2 (Green line) 3 to 4 (Yellow line) 5 to 6 (Orange line) 7 to 8 (Red line) 9 to 10 (Dark Red line) <ul style="list-style-type: none"> DOS_Water_Dist (Blue circle) Net_Net_Junctions (Blue square) DOS_SewerManhole (Green circle) <ul style="list-style-type: none"> Primary Overhead Conductor (Yellow dashed line) Secondary Overhead Conductor (Pink dashed line) 	<ul style="list-style-type: none"> Railroad (Orange line with cross-ticks) Parcel Boundary (Purple outline) School (Blue square with flag) COTA Bus Stop (April 2007) (Yellow star) Transformer (Yellow circle) Streetlight (Orange square)
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City of Columbus
Public Service Department
Transportation Division

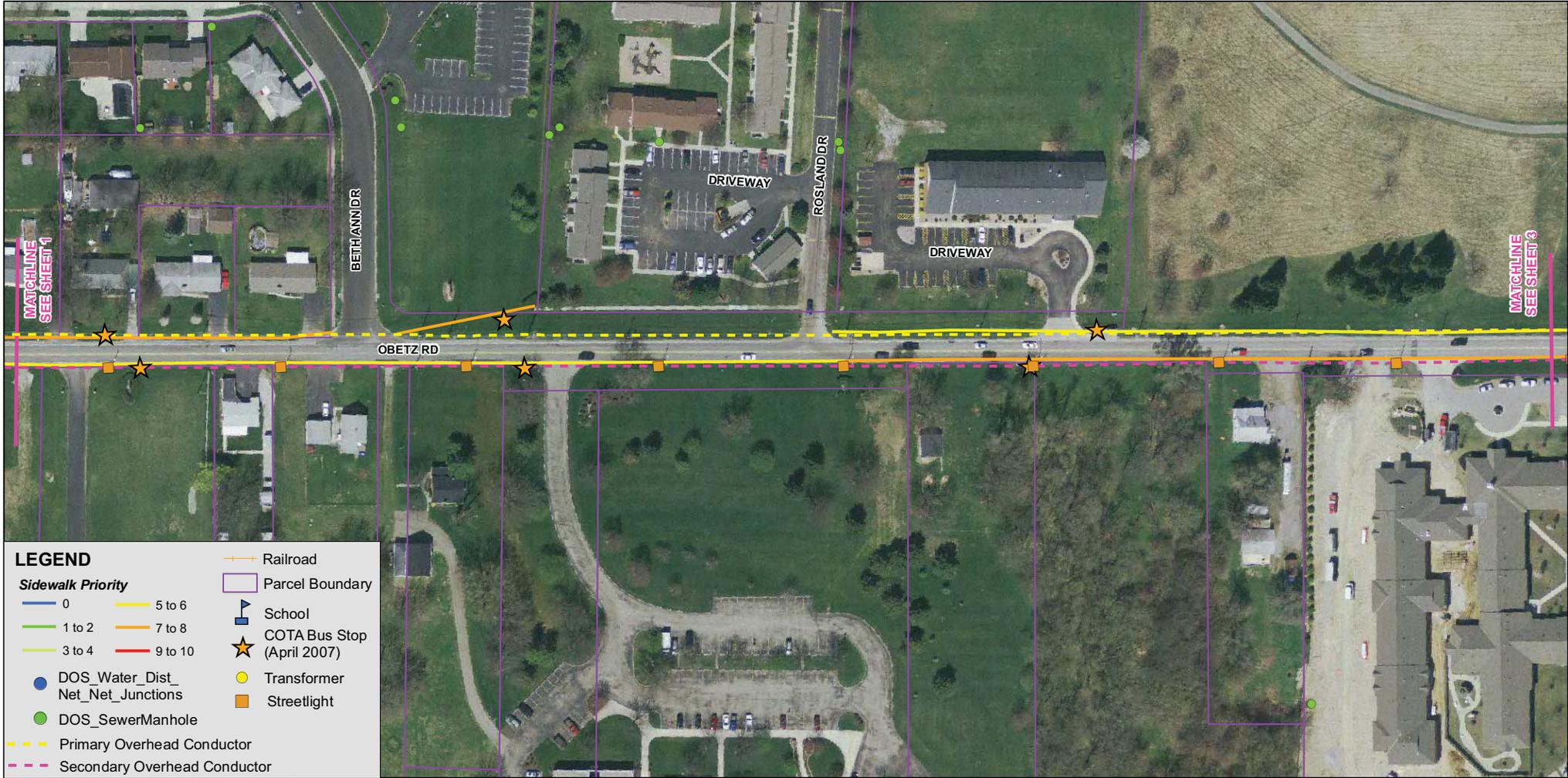
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 3,680'
 R/W Acquisition: \$66,124
 Utility Relocation: 0
 Project Estimate: \$414,973

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 2,674'
 R/W Acquisition: \$53,628
 Utility Relocation: 0
 Project Estimate: \$301,835



OPERATION SAFEWALKS

Obetz Road from S. High Street to Parsons Avenue



LEGEND

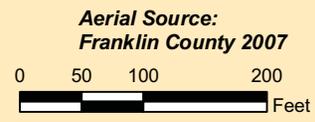
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	Parcel Boundary
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	School
DOS_Water_Dist		COTA Bus Stop (April 2007)
Net_Net_Junctions		Transformer
DOS_SewerManhole		Streetlight
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

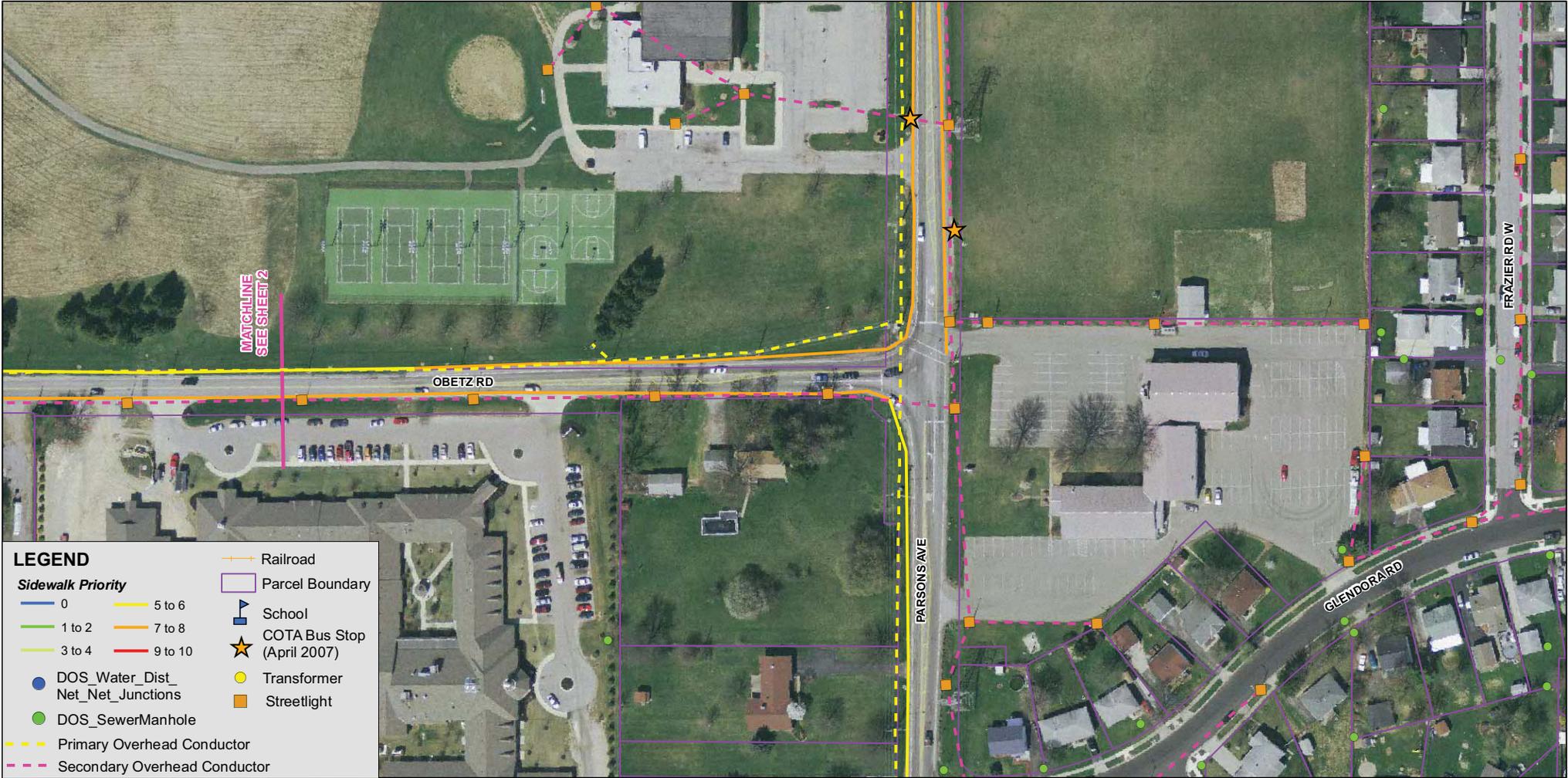
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 3,680'
 R/W Acquisition: \$66,124
 Utility Relocation: 0
 Project Estimate: \$414,973

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 2,674'
 R/W Acquisition: \$53,628
 Utility Relocation: 0
 Project Estimate: \$301,835



OPERATION SAFEWALKS

Obetz Road from S. High Street to Parsons Avenue



LEGEND

<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist Net_Net_Junctions DOS_SewerManhole 	<ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 Transformer Streetlight 	<ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007)
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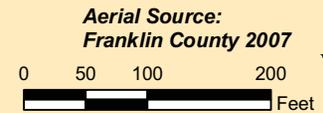
--- Primary Overhead Conductor
--- Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 3,680'
 R/W Acquisition: \$66,124
 Utility Relocation: 0
 Project Estimate: \$414,973

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 2,674'
 R/W Acquisition: \$53,628
 Utility Relocation: 0
 Project Estimate: \$301,835





Picture is directed east approx. 400' east of S. High Street. Sidewalk could be placed behind pole lines on both sides. Right of Way will be needed in several locations, but utilities should be clear. Ditch drainage will need addressed.



Picture is directed east approx. 200' west of Bethann Drive. Sidewalk could be placed behind pole lines on both sides. Right of Way will be needed in several locations. Ditch drainage will need addressed.



Picture is directed east approx. 350' east of Bethann Drive. Sidewalk could be placed in flat areas outside of ditch. Right of Way is ample at this particular location.



Picture is directed east approx. 350' west of Parsons Avenue. Sidewalk could be placed in flat area outside of ditch on north side. South side will require right of way for proper placement.



OPERATION SAFEWALKS - Obetz Road (South High Street to Parsons Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/6)	Obetz Road (South High Street to Parsons Avenue)	Arterial (C)	3680	7	20'	Varies from 30' to 80'	5' min at various locations	Not without additional R/W purchase	None apparent	1	0	0	13	\$66,124	None anticipated	\$0	\$279,080	\$414,973	No	Right of Way needed in several locations - drainage provisions will be required due to ditch - design required to avoid significant utility relocations - Recommend No to QTC for these reasons
SE	(5/6)	Obetz Road (South High Street to Parsons Avenue)	Arterial (C)	2674	7	20'	Varies from 30' to 80'	5' min at various locations	Not without additional R/W purchase	None apparent	1	0	0	10	\$53,628	None anticipated	\$0	\$198,566	\$301,835	No	Right of Way needed in several locations - drainage provisions will be required due to ditch - design required to avoid significant utility relocations - Recommend No to QTC for these reasons

Obetz Road (South High Street to Parsons Avenue) QUAD SE PRIORITY (7/6)				
General Estimating Data				
Street Classification	Arterial (C)			
Priority Length (ft)	3680	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	5	ea		
Number of alleys	0	ea		
Number of curb ramps	10	ea		
Number of driveways	20	ea		
Square feet of driveways (SQ FT)	2000	sq ft		
square feet of sidewalk (SQ FT)	25760	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	954.07	CU. YD.	20.00
EMBANKMENT	203	136.30	CU. YD.	20.00
SUBGRADE COMPACTION	204	3084.44	SQ. YD.	2.00
8" CONCRETE WALK	608	1000	SQ. FT.	9.00
4" CONCRETE WALK	608	24760	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	452	222	SQ. YD.	40.00
CURB RAMPS	608	10	EACH	700.00
NEW/DETECTABLE WARNING	SS1581	10	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
SIDEWALK SUBTOTAL				\$207,925.19
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	3680	LIN. FT.	2.50
SEEDING AND MULCHING	659	2044.44	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$17,377.78
MISCELLANEOUS (PRORATED)				
MAINTAINING TRAFFIC	614	1	LUMP	7,239.53
FIELD OFFICE	619	1	LUMP	2,895.81
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,895.81
MOBILIZATION	624	1	LUMP	4,343.72
MISCELLANEOUS SUBTOTAL				\$17,374.88
Project Subtotal				\$242,677.84
15% Project Contingencies				\$36,401.68
Opinion of Probable Construction Cost				\$279,079.52
Force Account (10% of Subtotal)				\$27,907.95
Engineering Design Services (15% of Subtotal)				\$41,861.93
Right of Way Acquisition				\$66,123.78
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$414,973.10

Obetz Road (South High Street to Parsons Avenue) QUAD SE PRIORITY (5/6)				
General Estimating Data				
Street Classification	Arterial (C)			
Priority Length (ft)	2674	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	3	ea		
Number of alleys	0	ea		
Number of curb ramps	6	ea		
Number of driveways	9	ea		
Square feet of driveways (SQ FT)	900	sq ft		
square feet of sidewalk (SQ FT)	18718	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	693.06	CU. YD.	20.00
EMBANKMENT	203	99.04	CU. YD.	20.00
SUBGRADE COMPACTION	204	2179.78	SQ. YD.	2.00
8" CONCRETE WALK	608	800	SQ. FT.	9.00
4" CONCRETE WALK	608	18118	SQ. FT.	6.00
CONCRETE DRIVEWAY APRONS	452	100	SQ. YD.	40.00
CURB RAMPS	608	6	EACH	700.00
NEW/DETECTABLE WARNING	SS1581	6	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00
SIDEWALK SUBTOTAL				\$147,413.48
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2674	LIN. FT.	2.50
SEEDING AND MULCHING	659	1485.56	SQ. YD.	4.00
EROSION CONTROL SUBTOTAL				\$12,627.22
MISCELLANEOUS				
MAINTAINING TRAFFIC	614	1	LUMP	5,280.47
FIELD OFFICE	619	1	LUMP	2,104.19
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,104.19
MOBILIZATION	624	1	LUMP	3,156.28
MISCELLANEOUS SUBTOTAL				\$12,625.12
Project Subtotal				\$172,665.82
15% Project Contingencies				\$25,899.87
Opinion of Probable Construction Cost				\$198,565.70
Force Account (10% of Subtotal)				\$19,856.57
Engineering Design Services (15% of Subtotal)				\$29,784.85
Right of Way Acquisition				\$53,628.10
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$301,835.22

OPERATION SAFEWALKS

Cole Street/Mooberry Street from Kelton Avenue to Fairwood Avenue



LEGEND

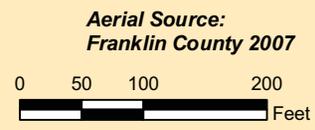
0	5 to 6	7 to 8	9 to 10	Railroad	Parcel Boundary
1 to 2	3 to 4	DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole	School	COTA Bus Stop (April 2007)
Primary Overhead Conductor	Secondary Overhead Conductor	Transformer	Streetlight		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 9-10 = 646'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$237,931

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 837'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$277,055





Picture is directed east on Cole Street approximately 400 feet west of Fairwood Avenue. Retaining wall design will be necessary to avoid R/W and severe disturbance of yards along north side of Cole Street.



Picture is directed east on Cole Street approximately 150 feet east of Kelton Avenue. Retaining wall design will be necessary to avoid R/W and severe disturbance of yards along north side of Cole Street.



Picture is directed east on Cole Street approximately 500 feet east of Kelton Avenue. Retaining wall design will be necessary to avoid R/W and severe disturbance of yards along north side of Cole Street.



Picture is directed east on Mooberry Street approximately 200 feet east of Kelton Avenue. Retaining wall design will be necessary to avoid R/W and severe disturbance of yards along south side of Mooberry Street.



OPERATION SAFEWALKS - Cole/Mooberry (Kelton Avenue to Fairwood Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(9/10)	Cole/Mooberry (Kelton Avenue to Fairwood Avenue)	Arterial (2-1, Freeway)	646	7	30	52	11	curbed section - N/A	None apparent	2 & 3	0	500	0	\$0	pole line exists, but relocation not anticipated	\$0	\$190,345	\$237,931	No	Retaining wall design will be necessary to avoid R/W and severe disturbance of yards
SE	(7/8)	Cole/Mooberry (Kelton Avenue to Fairwood Avenue)	Arterial (2-1, Freeway)	837	7	30	52	11	curbed section - N/A	None apparent	2 & 3	0	537	0	\$0	power lines will need relocation or special walk design	\$0	\$221,644	\$277,055	No	Retaining wall design will be necessary to avoid R/W and severe disturbance of yards - utility relocation anticipated

Cole/Mooberry (Kelton Avenue to Fairwood Avenue)		QUAD SE	PRIORITY (9/10)
General Estimating Data			
Street Classification	Arterial (2-1, Freeway)		
Priority Length (ft)	646		
Anticipated Sidewalk width	7		
Number of intersection quadrants	4		
Number of alleys	1		
Number of curb ramps	10		
Number of driveways	2		
Square feet of driveways (SQ FT)	200		
square feet of sidewalk (SQ FT)	4522		
retaining wall estimate greater than 4 ft in height	500		
retaining wall estimate less than 4 ft in height	0		
Estimate of signal upgrades	0		
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2 & 3		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	167.48	CU. YD. 20.00
EMBANKMENT	203	23.93	CU. YD. 20.00
SUBGRADE COMPACTION	204	524.67	SQ. YD. 2.00
8" CONCRETE WALK	608	1000	SQ. FT. 9.00
4" CONCRETE WALK	608	3522	SQ. FT. 9.00
CONCRETE DRIVEWAY APRONS	452	22	SQ. YD. 40.00
CURB RAMPS	608	10	EACH 700.00
NEW/DETECTABLE WARNING	SS1851	10	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	500	LF 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00
		SIDEWALK SUBTOTAL	\$149,398.37
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	646	LIN. FT. 2.50
SEEDING AND MULCHING	659	358.89	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$3,050.56
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614	1	LUMP 5,445.04
FIELD OFFICE	619	1	LUMP 2,178.02
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 2,178.02
MOBILIZATION	624	1	LUMP 3,287.03
		MISCELLANEOUS SUBTOTAL	\$13,068.11
		Project Subtotal	\$165,517.03
		15% Project Contingencies	\$24,827.55
		Opinion of Probable Construction Cost	\$190,344.59
		Force Account (10% of Subtotal)	\$19,034.46
		Engineering Design Services (15% of Subtotal)	\$26,551.69
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$237,930.73

Cole/Mooberry (Kelton Avenue to Fairwood Avenue)		QUAD SE	PRIORITY (7/8)
General Estimating Data			
Street Classification	Arterial (2-1, Freeway)		
Priority Length (ft)	837		
Anticipated Sidewalk width	7		
Number of intersection quadrants	4		
Number of alleys	2		
Number of curb ramps	12		
Number of driveways	5		
Square feet of driveways (SQ FT)	800		
square feet of sidewalk (SQ FT)	5850		
retaining wall estimate greater than 4 ft in height	537		
retaining wall estimate less than 4 ft in height	0		
Estimate of signal upgrades	0		
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2 & 3		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	217.00	CU. YD. 20.00
EMBANKMENT	203	31.00	CU. YD. 20.00
SUBGRADE COMPACTION	204	739.89	SQ. YD. 2.00
8" CONCRETE WALK	608	1200	SQ. FT. 9.00
4" CONCRETE WALK	608	4659	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	452	89	SQ. YD. 40.00
CURB RAMPS	608	12	EACH 700.00
NEW/DETECTABLE WARNING	SS1851	12	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	537	LF 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump 0.00
		SIDEWALK SUBTOTAL	\$171,849.33
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	837	LIN. FT. 2.50
SEEDING AND MULCHING	659	465.00	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$3,952.50
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 7,054.96
FIELD OFFICE	619	1	LUMP 2,821.98
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 2,821.98
MOBILIZATION	624	1	LUMP 4,232.97
		MISCELLANEOUS SUBTOTAL	\$16,931.89
		Project Subtotal	\$192,733.73
		15% Project Contingencies	\$28,910.06
		Opinion of Probable Construction Cost	\$221,643.79
		Force Account (10% of Subtotal)	\$22,164.38
		Engineering Design Services (15% of Subtotal)	\$33,246.57
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$277,054.73

OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

—+— Railroad	— Parcel Boundary
Sidewalk Priority	— School
0 (Blue)	— COTA Bus Stop (April 2007)
1 to 2 (Green)	— Transformer
3 to 4 (Light Green)	— Streetlight
5 to 6 (Yellow)	
7 to 8 (Orange)	
9 to 10 (Red)	
• DOS_Water_Dist_Net_Net_Junctions	
• DOS_SewerManhole	
--- Primary Overhead Conductor	
--- Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8: 7,302'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$703,490

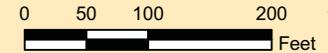
PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6: 534'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$48,855

Page 1 of 6



Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

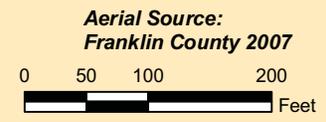
—+— Railroad	□ Parcel Boundary
Sidewalk Priority	▢ School
— 0 —	★ COTA Bus Stop (April 2007)
— 1 to 2 —	● Transformer
— 3 to 4 —	■ Streetlight
● DOS_Water_Dist_Net_Net_Junctions	
● DOS_SewerManhole	
--- Primary Overhead Conductor	
--- Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8: 7,302'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$703,490

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6: 534'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$48,855



OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	Parcel Boundary
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	School
DOS_Water_Dist_Net_Net_Junctions	COTA Bus Stop (April 2007)	Transformer
DOS_SewerManhole	Streetlight	
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

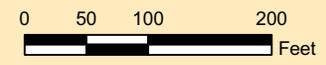
PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8: 7,302'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$703,490

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6: 534'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$48,855

Page 3 of 6



Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

- | | | |
|--|--|---|
| <p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist Net_Net_Junctions DOS_SewerManhole | <ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 + ⬇ ★ ● ■ --- --- | <ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007) Transformer Streetlight |
|--|--|---|



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8: 7,302'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$703,490

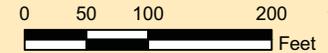
PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6: 534'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$48,855

Page 4 of 6



Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

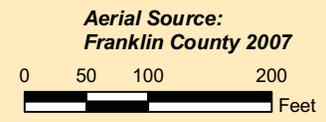
—+— Railroad	— Parcel Boundary
Sidewalk Priority	— School
0 (Blue)	— COTA Bus Stop (April 2007)
1 to 2 (Green)	— Transformer
3 to 4 (Yellow)	— Streetlight
5 to 6 (Orange)	
7 to 8 (Red)	
9 to 10 (Pink)	
• DOS_Water_Dist_Net_Net_Junctions	
• DOS_SewerManhole	
- - - Primary Overhead Conductor	
- - - Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8: 7,302'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$703,490

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6: 534'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$48,855



OPERATION SAFEWALKS

Nelson Road from Broad Street to Airport Drive



LEGEND

<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist_Net_Net_Junctions DOS_SewerManhole 	<ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 	<ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007) Transformer Streetlight Primary Overhead Conductor Secondary Overhead Conductor
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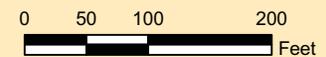
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8: 7,302'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$703,490

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6: 534'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$48,855



Aerial Source:
Franklin County 2007

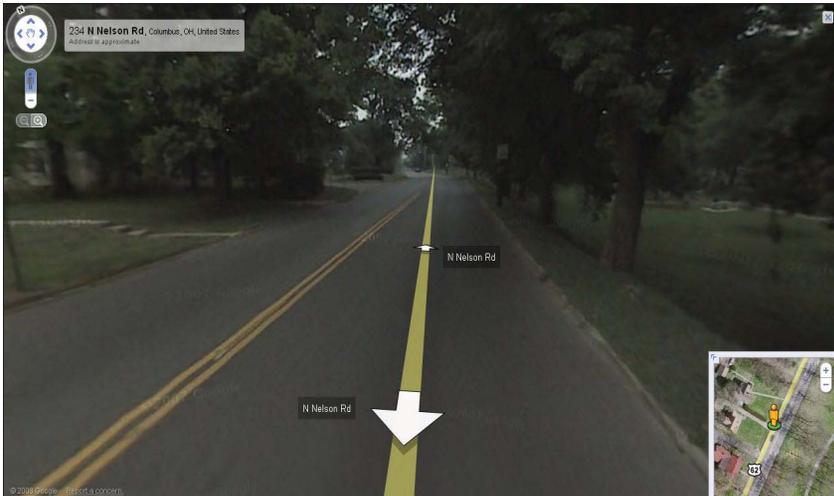




Picture is an aerial photo at Nelson Rd & Clifton Ave intersection. In general, this segment of Nelson Rd has recently been improved and includes a curb section with graded shoulder for walk placement. R/W appears ample and walk could be placed directly behind curb, or with a buffer.



Picture is directed north approximately 250' north of Clifton. Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear.



Picture is directed north approximately 550' north of Clifton. Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear. On the east side of road the walk could be located in the adjacent park property to avoid trees.



Picture is directed north approximately 250' south of Airport Drive. Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear. Signal will need upgraded for pedestrian use.



OPERATION SAFEWALKS - Nelson Road (Broad Street to Airport Drive)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(7/8)	Nelson Road (Broad Street to Airport Drive)	Arterial (C)	7302	7	36'	Varies from 60' to 80'	Varies from min-12' (LT & RT) to max 22' (LT & RT)	curbed section - N/A	None apparent	2 & 4	0	0	0	\$0	None anticipated	\$0	\$562,792	\$703,490	No	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Two signals will need upgraded for pedestrian use. Recommend No to QTC.
SE	(5/6)	Nelson Road (Broad Street to Airport Drive)	Arterial (C)	534	5	36'	80'	22'	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$39,084	\$48,855	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Potential QTC Project

Nelson Road (Broad Street to Airport Drive)		QUAD	PRIORITY
		SE	(7/8)
General Estimating Data			
Street Classification	Arterial (C)		
Priority Length (ft)	7302	if	
Anticipated Sidewalk width	7	if	
Number of intersection quadrants	6	ea	
Number of delays	1	ea	
Number of curb ramps	14	ea	
Number of driveways	29	ea	
Square feet of driveways (SQ FT)	2900	sq ft	
square feet of sidewalk (SQ FT)	51114	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	2	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	2 & 4		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	1893.11	CU YD. 20.00 37,862.22
EMBANKMENT	203	270.44	CU YD. 20.00 5,408.89
SUBGRADE COMPACTION	204	8001.58	SQ YD. 2.00 12,003.11
6" CONCRETE WALK	608	1400	SQ FT. 9.00 12,600.00
4" CONCRETE WALK	608	49714	SQ FT. 6.00 298,284.00
CONCRETE DRIVEWAY APRONS	452	322	SQ YD. 40.00 12,889.80
CURE RAMPS	608	14	BACH 700.00 9,800.00
NEW/DETECTABLE WARNING	SS1851	14	EACH 400.00 5,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	2	EACH 15,000.00 30,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$426,947.11
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	7302	LIN FT. 2.50 18,255.00
SEEDING AND MULCHING	659	4056.67	SQ YD. 4.00 16,226.67
		EROSION CONTROL SUBTOTAL	\$34,481.67
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614	1	LUMP 11,648.16 11,648.16
FIELD OFFICE	619	1	LUMP 4,659.26 4,659.26
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 4,659.26 4,659.26
MOBILIZATION	624	1	LUMP 6,998.90 6,998.90
		MISCELLANEOUS SUBTOTAL	\$27,955.59
		Project Subtotal	\$489,384.37
		15% Project Contingencies	\$73,407.66
		Opinion of Probable Construction Cost	\$562,792.02
		Force Account (10% of Subtotal)	\$56,279.20
		Engineering Design Services (15% of Subtotal)	\$84,418.80
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$703,490.03

Nelson Road (Broad Street to Airport Drive)		QUAD	PRIORITY
		SE	(5/6)
General Estimating Data			
Street Classification	Arterial (C)		
Priority Length (ft)	534	if	
Anticipated Sidewalk width	5	if	
Number of intersection quadrants	2	ea	
Number of delays	0	ea	
Number of curb ramps	4	ea	
Number of driveways	5	ea	
Square feet of driveways (SQ FT)	500	sq ft	
square feet of sidewalk (SQ FT)	2670	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	Yes		
Proposed sidewalk typical (see exhibit 3)	4		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	86.59	CU YD. 20.00 1,877.78
EMBANKMENT	203	19.78	CU YD. 20.00 395.56
SUBGRADE COMPACTION	204	352.22	SQ YD. 2.00 704.44
6" CONCRETE WALK	608	400	SQ FT. 9.00 3,600.00
4" CONCRETE WALK	608	2270	SQ FT. 6.00 13,620.00
CONCRETE DRIVEWAY APRONS	452	56	SQ YD. 40.00 2,222.22
CURE RAMPS	608	4	BACH 700.00 2,800.00
NEW/DETECTABLE WARNING	SS1851	4	EACH 400.00 1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00 0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump 0.00 0.00
		SIDEWALK SUBTOTAL	\$29,420.00
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	534	LIN FT. 2.50 1,335.00
SEEDING AND MULCHING	659	296.67	SQ YD. 4.00 1,186.67
		EROSION CONTROL SUBTOTAL	\$2,521.67
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 851.84 851.84
FIELD OFFICE	619	1	LUMP 340.74 340.74
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 340.74 340.74
MOBILIZATION	624	1	LUMP 511.10 511.10
		MISCELLANEOUS SUBTOTAL	\$2,044.41
		Project Subtotal	\$33,986.08
		15% Project Contingencies	\$5,097.91
		Opinion of Probable Construction Cost	\$39,083.99
		Force Account (10% of Subtotal)	\$3,398.60
		Engineering Design Services (15% of Subtotal)	\$5,862.60
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$48,854.99

OPERATION SAFEWALKS

South High Street from Obetz Road to Highview Boulevard



LEGEND

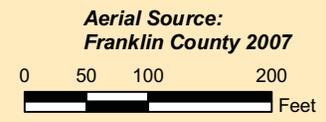
0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8: 2,884'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$298,736

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6: 1,997'
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$209,711



OPERATION SAFEWALKS

South High Street from Obetz Road to Highview Boulevard



LEGEND

- | | | | |
|------------------------------|---------|-------------|----------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist | | | |
| Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8: 2,884'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$298,736

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6: 1,997'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$209,711

Page 2 of 2

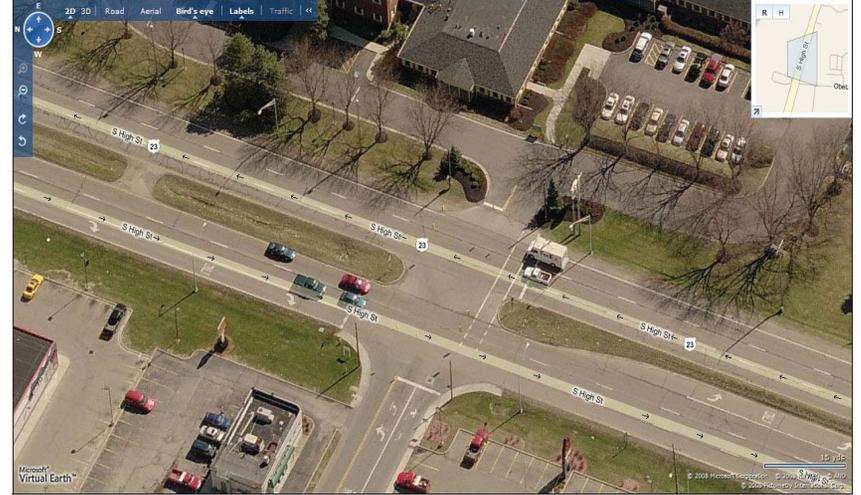


Aerial Source:
Franklin County 2007





Picture is an aerial photo at Obetz Rd intersection. In general, R/ W appears ample for entire length if clear zone requirement waived – walk would be parallel to paved shoulder at maximum offset possible. Drainage should drain over walk into side ditch - Utilities could be avoided.



Picture is an aerial photo approx 750' north of Obetz Rd. Signal upgrade necessary for pedestrian use. In general, R/ W appears ample if clear zone requirement waived.



Picture is an aerial photo at Great Southern Blvd. intersection area. In general, R/ W appears ample if clear zone requirement waived.



Picture is an aerial photo at Highview. Signal upgrade necessary for pedestrian use. In general, R/ W appears ample if clear zone requirement waived.



OPERATION SAFEWALKS - South High Street (Obetz Road to Highview Boulevard)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	South High Street (Obetz Road to Highview Boulevard)	Arterial (4-2D)	2884	7	80	Varies from 120' to 130'	Varies - 20' Min	Not w/o additional R/W	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$238,988	\$298,736	No	Right of Way appears ample if clear zone requirement waived - drainage should be able to drain over walk into side ditch - Utilities appear clear, or can be avoided. Recommend minor plan preparation due to utilities.
SE	(5/6)	South High Street (Obetz Road to Highview Boulevard)	Arterial (4-2D)	1997	7	80	Varies from 120' to 130'	Varies - 20' Min	Not w/o additional R/W	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$167,768	\$209,711	No	Right of Way appears ample if clear zone requirement waived - drainage should be able to drain over walk into side ditch - Utilities appear clear, or can be avoided. Recommend minor plan preparation due to utilities.

South High Street (Obetz Road to Highview Boulevard)					QUAD SE	PRIORITY (7/8)
General Estimating Data						
Street Classification	Arterial (4-2D)					
Priority Length (ft)	2884	ft				
Anticipated Sidewalk width	7	ft				
Number of intersection quadrants	11	ea				
Number of alleys	0	ea				
Number of curb ramps	22	ea				
Number of driveways	1	ea				
Square feet of driveways (SQ FT)	100	sq ft				
square feet of sidewalk (SQ FT)	20188	sq ft				
retaining wall estimate greater than 4 ft in height	0	ft				
retaining wall estimate less than 4 ft in height	0	ft				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	2					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	747.70	CU. YD.	20.00	14,954.07	
EMBANKMENT	203	108.61	CU. YD.	20.00	2,136.30	
SUBGRADE COMPACTION	204	2254.22	SQ. YD.	2.00	4,508.44	
8" CONCRETE WALK	608	2200	SQ. FT.	9.00	19,800.00	
4" CONCRETE WALK	608	17988	SQ. FT.	6.00	107,928.00	
CONCRETE DRIVEWAY APRONS	452	11	SQ. YD.	40.00	444.44	
CURE RAMPS	608	22	EACH	700.00	15,400.00	
NEW/DETECTABLE WARNING	SS1851	22	EACH	400.00	8,800.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
				SIDEWALK SUBTOTAL	\$176,471.26	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2884	LIN. FT.	2.50	7,210.00	
SEEDING AND MULCHING	659	1602.22	SQ. YD.	4.00	6,408.89	
				EROSION CONTROL SUBTOTAL	\$13,618.89	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	7,385.78	7,385.78	
FIELD OFFICE	619	1	LUMP	2,954.31	2,954.31	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,954.31	2,954.31	
MOBILIZATION	624	1	LUMP	4,431.47	4,431.47	
				MISCELLANEOUS SUBTOTAL	\$17,725.88	
					Project Subtotal	\$207,816.02
					15% Project Contingencies	\$31,172.40
					Opinion of Probable Construction Cost	\$238,988.43
					Force Account (10% of Subtotal)	\$23,898.84
					Engineering Design Services (15% of Subtotal)	\$35,848.26
					Right of Way Acquisition	\$0.00
					Utility Relocation	\$0.00
					PROJECT ESTIMATE	\$298,736.53

South High Street (Obetz Road to Highview Boulevard)					QUAD SE	PRIORITY (5/6)
General Estimating Data						
Street Classification	Arterial (4-2D)					
Priority Length (ft)	1997	ft				
Anticipated Sidewalk width	7	ft				
Number of intersection quadrants	7	ea				
Number of alleys	1	ea				
Number of curb ramps	16	ea				
Number of driveways	1	ea				
Square feet of driveways (SQ FT)	100	sq ft				
square feet of sidewalk (SQ FT)	13979	sq ft				
retaining wall estimate greater than 4 ft in height	0	ft				
retaining wall estimate less than 4 ft in height	0	ft				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	517.74	CU. YD.	20.00	10,354.81	
EMBANKMENT	203	73.96	CU. YD.	20.00	1,479.26	
SUBGRADE COMPACTION	204	1584.33	SQ. YD.	2.00	3,128.67	
8" CONCRETE WALK	608	1600	SQ. FT.	9.00	14,400.00	
4" CONCRETE WALK	608	12379	SQ. FT.	6.00	74,274.00	
CONCRETE DRIVEWAY APRONS	452	11	SQ. YD.	40.00	444.44	
CURE RAMPS	608	16	EACH	700.00	11,200.00	
NEW/DETECTABLE WARNING	SS1851	16	EACH	400.00	6,400.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
				SIDEWALK SUBTOTAL	\$124,181.19	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1997	LIN. FT.	2.50	4,992.50	
SEEDING AND MULCHING	659	1109.44	SQ. YD.	4.00	4,437.78	
				EROSION CONTROL SUBTOTAL	\$9,430.28	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	5,114.22	5,114.22	
FIELD OFFICE	619	1	LUMP	2,045.89	2,045.89	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,045.89	2,045.89	
MOBILIZATION	624	1	LUMP	3,088.53	3,088.53	
				MISCELLANEOUS SUBTOTAL	\$12,274.12	
					Project Subtotal	\$145,885.59
					15% Project Contingencies	\$21,882.84
					Opinion of Probable Construction Cost	\$167,768.43
					Force Account (10% of Subtotal)	\$14,778.84
					Engineering Design Services (15% of Subtotal)	\$25,165.26
					Right of Way Acquisition	\$0.00
					Utility Relocation	\$0.00
					PROJECT ESTIMATE	\$209,716.53

OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

- 0
- 1 to 2
- 3 to 4
- 5 to 6
- 7 to 8
- 9 to 10
- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole
- Primary Overhead Conductor
- - - Secondary Overhead Conductor
- Railroad
- Parcel Boundary
- ▢ School
- ★ COTA Bus Stop (April 2007)
- Transformer
- ▢ Streetlight

MATCHLINE
SEE SHEET 2



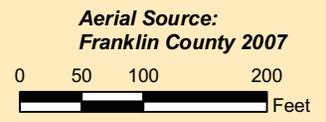
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 7,781'
R/W Acquisition: \$4,892
Utility Relocation: 0
Project Estimate: \$760,591

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 7,594'
R/W Acquisition: \$149,867
Utility Relocation: 0
Project Estimate: \$869,150

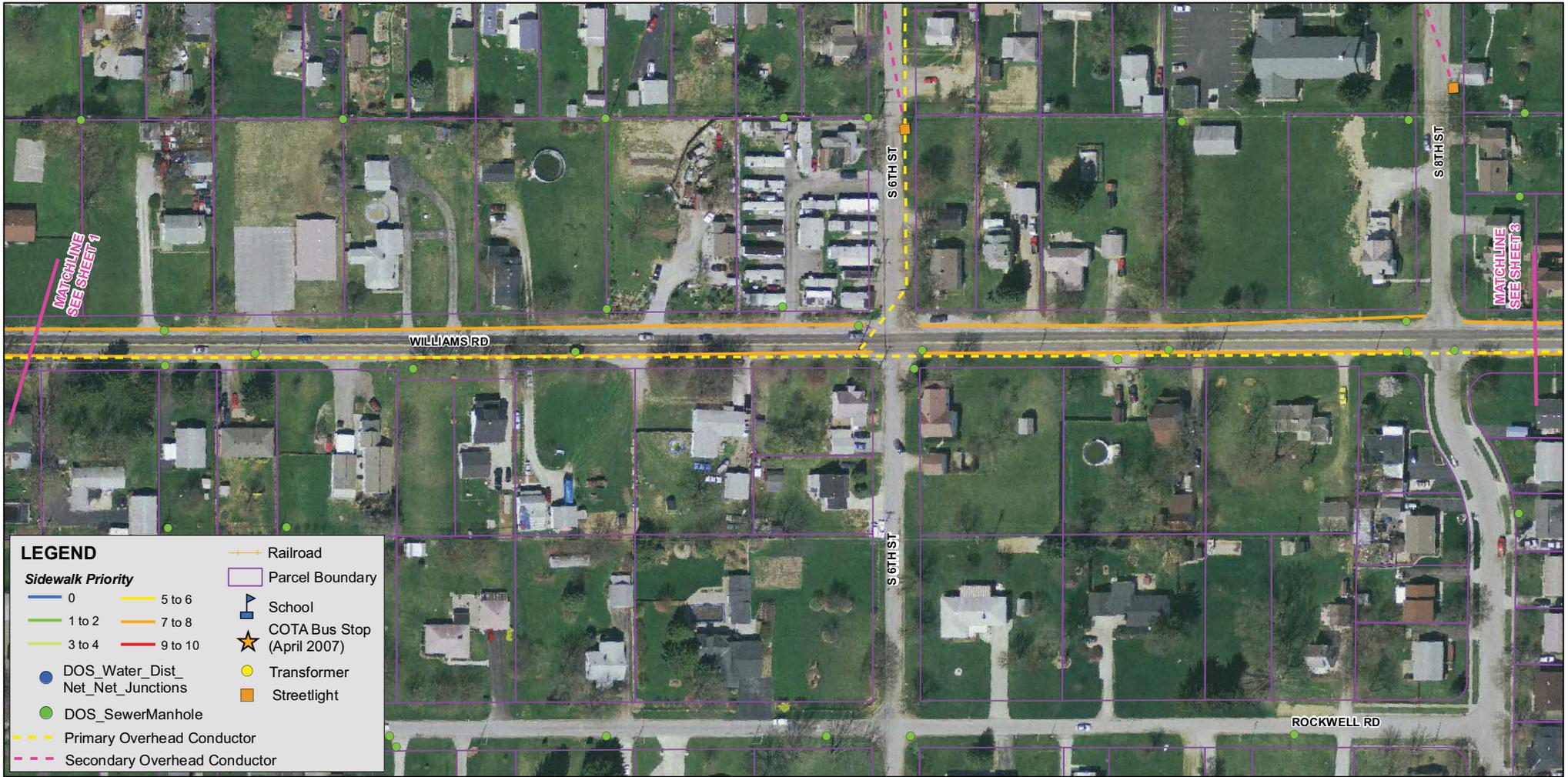
PROJECT SUMMARY
Quadrant: SE
Project Length: 3-4 = 1,650'
R/W Acquisition: \$62,593
Utility Relocation: 0
Project Estimate: \$231,131

Page 1 of 6



OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

- Sidewalk Priority**
 - 0 (Blue line)
 - 1 to 2 (Green line)
 - 3 to 4 (Yellow line)
 - 5 to 6 (Orange line)
 - 7 to 8 (Red line)
 - 9 to 10 (Dark Red line)
- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle)
- Streetlight (Orange square)
- DOS_Water_Dist_Net_Net_Junctions (Blue circle)
- DOS_SewerManhole (Green circle)
- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)



City of Columbus
Public Service Department
Transportation Division

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 Utility Relocation: 0
 Project Estimate: \$760,591

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 7,594'
 R/W Acquisition: \$149,867
 Utility Relocation: 0
 Project Estimate: \$869,150

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 3-4 = 1,650'
 R/W Acquisition: \$62,593
 Utility Relocation: 0
 Project Estimate: \$231,131

Page 2 of 6

Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

— 0	— 5 to 6	— Railroad	□ Parcel Boundary
— 1 to 2	— 7 to 8	▢ School	★ COTA Bus Stop (April 2007)
— 3 to 4	— 9 to 10	● DOS_Water_Dist_Net_Net_Junctions	● Transformer
● DOS_SewerManhole	■ Streetlight	— Primary Overhead Conductor	— Secondary Overhead Conductor

MATCHLINE SEE SHEET 2

MATCHLINE SEE SHEET 4



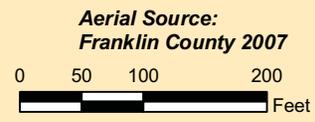
City of Columbus
Public Service Department
Transportation Division

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Project Length: 7-8 = 7,781'
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Project Estimate: \$760,591

PROJECT SUMMARY
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Project Length: 5-6 = 7,594'
R/W Acquisition: \$149,867
Utility Relocation: 0
Project Estimate: \$869,150

PROJECT SUMMARY
Quadrant: SE
Project Length: 3-4 = 1,650'
R/W Acquisition: \$62,593
Utility Relocation: 0
Project Estimate: \$231,131

Page 3 of 6
ME COMPANIES



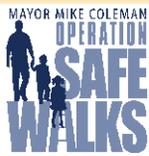
OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

- Sidewalk Priority**
- 0 (Blue line) 5 to 6 (Yellow line)
- 1 to 2 (Green line) 7 to 8 (Orange line)
- 3 to 4 (Light Green line) 9 to 10 (Red line)
- DOS_Water_Dist_Net_Net_Junctions (Blue circle)
- DOS_SewerManhole (Green circle)
- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)
- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle)
- Streetlight (Orange square)



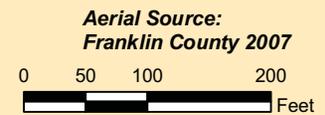
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 7,781'
R/W Acquisition: \$4,892
Utility Relocation: 0
Project Estimate: \$760,591

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 7,594'
R/W Acquisition: \$149,867
Utility Relocation: 0
Project Estimate: \$869,150

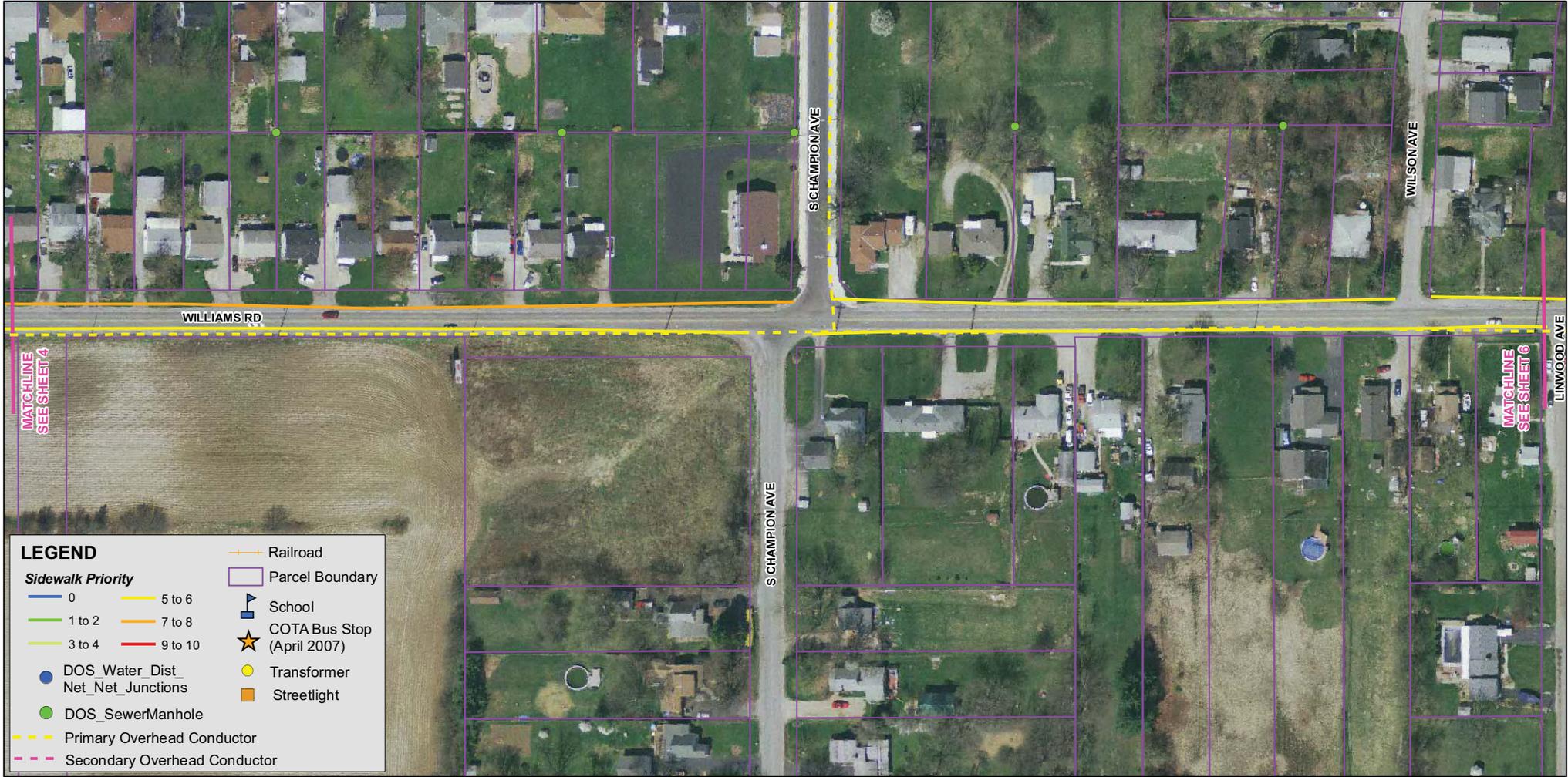
PROJECT SUMMARY
Quadrant: SE
Project Length: 3-4 = 1,650'
R/W Acquisition: \$62,593
Utility Relocation: 0
Project Estimate: \$231,131

Page 4 of 6



OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

0	5 to 6	Parcel Boundary
1 to 2	7 to 8	School
3 to 4	9 to 10	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	Transformer	Streetlight
DOS_SewerManhole		
Primary Overhead Conductor		
Secondary Overhead Conductor		



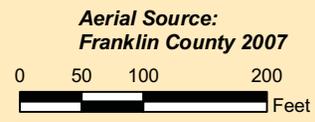
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 7,781'
R/W Acquisition: \$4,892
Utility Relocation: 0
Project Estimate: \$760,591

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 7,594'
R/W Acquisition: \$149,867
Utility Relocation: 0
Project Estimate: \$869,150

PROJECT SUMMARY
Quadrant: SE
Project Length: 3-4 = 1,650'
R/W Acquisition: \$62,593
Utility Relocation: 0
Project Estimate: \$231,131

Page 5 of 6
ME COMPANIES



Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

High Street from Highview Blvd. to Williams Road, Williams Road from High Street to Lockbourne Road



LEGEND

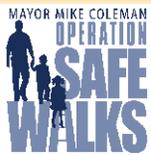
Sidewalk Priority

- 0
- 1 to 2
- 3 to 4
- 5 to 6
- 7 to 8
- 9 to 10

- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole

- Primary Overhead Conductor
- Secondary Overhead Conductor

- Railroad
- Parcel Boundary
- School
- COTA Bus Stop (April 2007)
- Transformer
- Streetlight



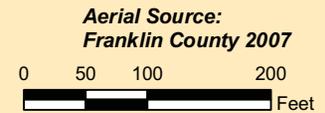
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 7,781'
R/W Acquisition: \$4,892
Utility Relocation: 0
Project Estimate: \$760,591

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 7,594'
R/W Acquisition: \$149,867
Utility Relocation: 0
Project Estimate: \$869,150

PROJECT SUMMARY
Quadrant: SE
Project Length: 3-4 = 1,650'
R/W Acquisition: \$62,593
Utility Relocation: 0
Project Estimate: \$231,131

Page 6 of 6





Picture is directed north on High Street and located approximately 500 feet north of Great Southern Court. Walk could be placed along shoulder, if allowable offset can be waived.



Picture is directed east on Williams Road and located approximately 600 feet west of 6th Street. Right of Way and drainage provisions will be required due to ditch. R/W could be anticipated in this general location if the trees are to be saved on the south side.



Picture is directed east on Williams Road and located 600 feet east of Parsons Avenue. Right of Way and drainage provisions will be required due to ditch, especially in undeveloped field between Parsons and Champion.



Picture is directed east on Williams Road and located approximately 700 feet west of Lockbourne Road. Right of Way and drainage provisions will be required due to ditch. Several parcels of R/W could be anticipated in this general location of the project.



OPERATION SAFEWALKS - High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curb)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)	Arterial (4-2, 4-2D)	7781	7	Varies from 50' to 70'	Varies from 50' to 110'	15' min at various locations	Not without additional R/W purchase	None apparent	1	0	0	1	\$4,892	pole line exists, but relocation not anticipated	\$0	\$604,559	\$760,591	No	Right of Way needed at SE corner of High and Williams - drainage provisions will be required due to ditch - design required to avoid significant utility relocations - trees are in R/W at certain locations - Recommend No to QTC for these reasons
SE	(5/6)	High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)	Arterial (4-2, 4-2D)	7594	7	20	Varies from 40' to 70'	10' min at various locations	Not without additional R/W purchase	None apparent	1	0	0	26	\$149,867	pole line exists, but relocation not anticipated	\$0	\$575,427	\$869,150	No	Right of Way needed in several locations - drainage provisions will be required due to ditch, especially in undeveloped fields between Parsons and Champion - design required to avoid significant utility relocations Right of Way needed in several locations - drainage provisions will be required due to ditch - design required to avoid significant utility relocations - Recommend No to QTC for these reasons
SE	(3/4)	High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)	Arterial (4-2, 4-2D)	1650	7	20	Varies from 40' to 55'	10' min at various locations	Not without additional R/W purchase	None apparent	1	0	0	15	\$62,593	pole line exists, but relocation not anticipated	\$0	\$134,830	\$231,131	No	

High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)		QUAD SE	PRIORITY (7/8)
General Estimating Data			
Street Classification	Arterial	(4-2, 4-2D)	
Priority Length (ft)	7781	if	
Anticipated Sidewalk width	7	if	
Number of intersection quadrants	21	ea	
Number of alleys	0	ea	
Number of curb ramps	42	ea	
Number of driveways	62	ea	
Square feet of driveways (SQ FT)	6200	sq ft	
square feet of sidewalk (SQ FT)	54467	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	2017.30	CU YD 20.00 40,345.93
EMBANKMENT	203	298.19	CU YD 20.00 5,953.79
SUBGRADE COMPACTION	204	6740.78	SQ YD 2.00 13,481.56
8" CONCRETE WALK	608	4200	SQ FT 9.00 37,800.00
4" CONCRETE WALK	608	50267	SQ FT 6.00 301,602.00
CONCRETE DRIVEWAY APRONS	452	689	SQ YD 40.00 27,556.56
CURB RAMPS	608	42	EACH 700.00 29,400.00
NEW-DETECTABLE WARNING	591551	42	EACH 400.00 16,800.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00 0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$475,248.74
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	7781	LIN FT 2.50 19,452.50
SEEDING AND MULCHING	659	4322.78	SQ YD 4.00 17,291.11
		EROSION CONTROL SUBTOTAL	\$36,743.61
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614	1	LUMP 5,712.92 5,712.92
FIELD OFFICE	619	1	LUMP 2,285.17 2,285.17
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 2,285.17 2,285.17
MOBILIZATION	624	1	LUMP 3,427.75 3,427.75
		MISCELLANEOUS SUBTOTAL	\$13,711.01
		Project Subtotal	\$525,703.37
		15% Project Contingencies	\$78,555.63
		Opinion of Probable Construction Cost	\$604,558.87
		Force Account (10% of Subtotal)	\$66,455.89
		Engineering Design Services (15% of Subtotal)	\$90,683.83
		Right of Way Acquisition	\$4,892.19
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$760,590.78

High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)		QUAD SE	PRIORITY (5/6)
General Estimating Data			
Street Classification	Arterial	(4-2, 4-2D)	
Priority Length (ft)	7594	if	
Anticipated Sidewalk width	7	if	
Number of intersection quadrants	15	ea	
Number of alleys	0	ea	
Number of curb ramps	30	ea	
Number of driveways	34	ea	
Square feet of driveways (SQ FT)	3400	sq ft	
square feet of sidewalk (SQ FT)	53158	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades (Lockbourne)	1	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	1969.81	CU YD 20.00 39,376.30
EMBANKMENT	203	281.25	CU YD 20.00 5,625.19
SUBGRADE COMPACTION	204	6284.22	SQ YD 2.00 12,568.44
8" CONCRETE WALK	608	3000	SQ FT 9.00 27,000.00
4" CONCRETE WALK	608	50158	SQ FT 6.00 300,948.00
CONCRETE DRIVEWAY APRONS	452	378	SQ YD 40.00 15,111.11
CURB RAMPS	608	30	EACH 700.00 21,000.00
NEW-DETECTABLE WARNING	591551	30	EACH 400.00 12,000.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	1	EACH 15,000.00 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$451,129.04
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	7594	LIN FT 2.50 18,985.00
SEEDING AND MULCHING	659	4218.89	SQ YD 4.00 16,875.56
		EROSION CONTROL SUBTOTAL	\$35,860.56
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 5,575.62 5,575.62
FIELD OFFICE	619	1	LUMP 2,230.25 2,230.25
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 2,230.25 2,230.25
MOBILIZATION	624	1	LUMP 3,345.37 3,345.37
		MISCELLANEOUS SUBTOTAL	\$13,381.50
		Project Subtotal	\$500,371.09
		15% Project Contingencies	\$75,055.63
		Opinion of Probable Construction Cost	\$575,426.75
		Force Account (10% of Subtotal)	\$57,542.68
		Engineering Design Services (15% of Subtotal)	\$86,314.01
		Right of Way Acquisition	\$149,866.04
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$869,150.38

High Street (Highview Boulevard to Williams Road), Williams Road (High Street to Lockbourne Road)		QUAD SE	PRIORITY (3/4)
General Estimating Data			
Street Classification	Arterial	(4-2, 4-2D)	
Priority Length (ft)	1650	if	
Anticipated Sidewalk width	7	if	
Number of intersection quadrants	4	ea	
Number of alleys	0	ea	
Number of curb ramps	8	ea	
Number of driveways	24	ea	
Square feet of driveways (SQ FT)	2400	sq ft	
square feet of sidewalk (SQ FT)	11500	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	427.78	CU YD 20.00 8,555.56
EMBANKMENT	203	61.11	CU YD 20.00 1,222.22
SUBGRADE COMPACTION	204	1550.00	SQ YD 2.00 3,100.00
8" CONCRETE WALK	608	800	SQ FT 9.00 7,200.00
4" CONCRETE WALK	608	10750	SQ FT 6.00 64,500.00
CONCRETE DRIVEWAY APRONS	452	267	SQ YD 40.00 10,666.67
CURB RAMPS	608	8	EACH 700.00 5,600.00
NEW-DETECTABLE WARNING	591551	8	EACH 400.00 3,200.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00 0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$106,544.44
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1650	LIN FT 2.50 4,125.00
SEEDING AND MULCHING	659	916.67	SQ YD 4.00 3,666.67
		EROSION CONTROL SUBTOTAL	\$7,791.67
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 1,211.45 1,211.45
FIELD OFFICE	619	1	LUMP 484.58 484.58
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 484.58 484.58
MOBILIZATION	624	1	LUMP 726.87 726.87
		MISCELLANEOUS SUBTOTAL	\$2,907.49
		Project Subtotal	\$117,243.60
		15% Project Contingencies	\$17,586.54
		Opinion of Probable Construction Cost	\$134,830.14
		Force Account (10% of Subtotal)	\$11,724.36
		Engineering Design Services (15% of Subtotal)	\$20,224.52
		Right of Way Acquisition	\$62,593.20
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$231,130.88

OPERATION SAFEWALKS

Livingston Avenue from Woodcrest Road to Lonsdale Road



LEGEND

0	5 to 6	7 to 8	9 to 10	Railroad	Parcel Boundary
1 to 2	3 to 4			School	COTA Bus Stop (April 2007)
DOS_Water_Dist_Net_Net_Junctions	DOS_SewerManhole			Transformer	Streetlight
Primary Overhead Conductor	Secondary Overhead Conductor				



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6: 421'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$42,189

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 3-4: 919'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$86,379

Page 1 of 1

Aerial Source:
Franklin County 2007



Picture is directed east approximately 300 feet west of Lonsdale Road. R/W ample, drainage should drain over walk to street, utilities are clear – recommend Yes to QTC.



Picture is directed east at Lonsdale Road. R/W ample, drainage should drain over walk to street, utilities are clear – ramps are installed already at Lonsdale Road (see this picture) and Woodcrest Road - recommend Yes to QTC.



Picture is directed east 250 feet east of Woodcrest Road. R/W ample, drainage should drain over walk to street, utilities are clear – recommend Yes to QTC.



Picture is directed east at Woodcrest Road. R/W ample, drainage should drain over walk to street, utilities are clear – recommend Yes to QTC.



OPERATION SAFEWALKS - Livingston Avenue (Woodcrest Road to Lonsdale Road)

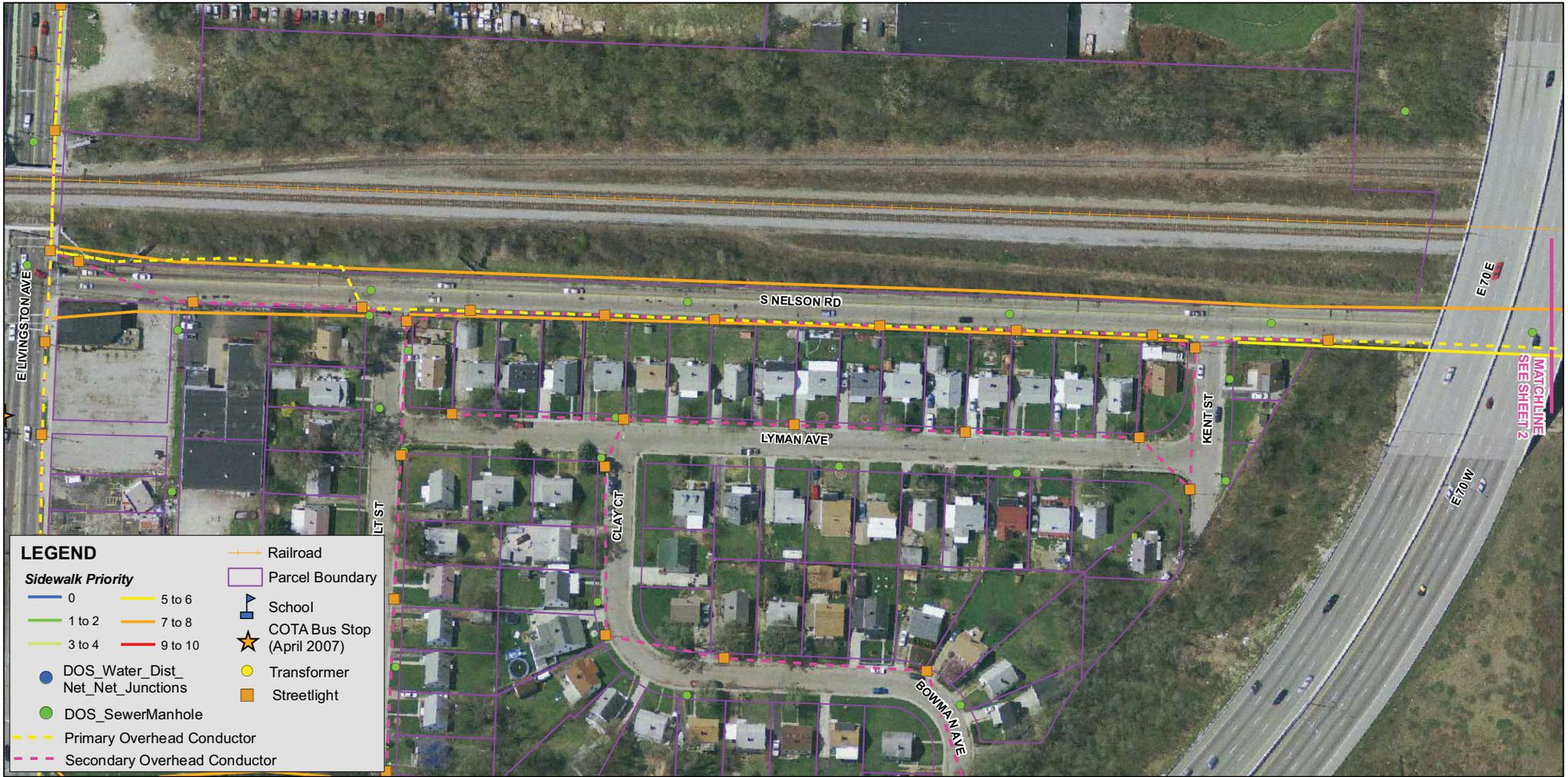
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(5/6)	Livingston Avenue (Woodcrest Road to Lonsdale Road)	Arterial (4-2D)	421	5	55	150	47.5' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$33,751	\$42,189	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC
SE	(3/4)	Livingston Avenue (Woodcrest Road to Lonsdale Road)	Arterial (4-2D)	919	5	55	150	47.5' (L&R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$69,103	\$86,379	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear - Recommend QTC

Livingston Avenue (Woodcrest Road to Lonsdale Road)		QUAD	PRIORITY		
		SE	(5/6)		
General Estimating Data					
Street Classification	Arterial (4-2D)				
Priority Length (ft)	421	if			
Anticipated Sidewalk width	5	if			
Number of intersection quadrants	0	ea			
Number of alleys	0	ea			
Number of curb ramps	0	ea			
Number of driveways	1	ea			
Square feet of driveways (SQ FT)	100	sq ft			
square feet of sidewalk (SQ FT)	2105	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	Yes				
Proposed sidewalk typical (see exhibit 3)	4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	77.96	CU. YD.	20.00	1,559.26
EMBANKMENT	203	15.59	CU. YD.	20.00	311.85
SUBGRADE COMPACTION	204	245.00	SQ. YD.	2.00	490.00
8" CONCRETE WALK	608	0	SQ. FT.	9.00	0.00
4" CONCRETE WALK	608	2105	SQ. FT.	6.00	12,630.00
CONCRETE DRIVEWAY APRONS	452	11	SQ. YD.	40.00	444.44
CURB RAMPS	608	0	EACH	700.00	0.00
NEW/DETECTABLE WARNING	SS1851	0	EACH	400.00	0.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
EROSION CONTROL					\$17,935.56
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	421	LIN. FT.	2.50	1,052.50
SEEDING AND MULCHING	659	233.89	SQ. YD.	4.00	935.56
EROSION CONTROL SUBTOTAL					\$1,988.06
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	3,927.24	3,927.24
FIELD OFFICE	619	1	LUMP	1,670.90	1,670.90
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,670.90	1,670.90
MOBILIZATION	624	1	LUMP	2,356.34	2,356.34
MISCELLANEOUS SUBTOTAL					\$9,425.37
Project Subtotal					\$29,348.89
15% Project Contingencies					\$4,402.35
Opinion of Probable Construction Cost					\$33,751.33
Force Account (10% of Subtotal)					\$3,375.13
Engineering Design Services (15% of Subtotal)					\$5,062.70
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$42,189.18

Livingston Avenue (Woodcrest Road to Lonsdale Road)		QUAD	PRIORITY		
		SE	(3/4)		
General Estimating Data					
Street Classification	Arterial (4-2D)				
Priority Length (ft)	919	if			
Anticipated Sidewalk width	5	if			
Number of intersection quadrants	0	ea			
Number of alleys	0	ea			
Number of curb ramps	0	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	4595	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	0	ea			
Quick to Construct Recommendation	Yes				
Proposed sidewalk typical (see exhibit 3)	4				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	170.19	CU. YD.	20.00	3,403.70
EMBANKMENT	203	34.04	CU. YD.	20.00	680.74
SUBGRADE COMPACTION	204	510.56	SQ. YD.	2.00	1,021.11
8" CONCRETE WALK	608	0	SQ. FT.	9.00	0.00
4" CONCRETE WALK	608	4595	SQ. FT.	6.00	27,570.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00
CURB RAMPS	608	0	EACH	700.00	0.00
NEW/DETECTABLE WARNING	SS1851	0	EACH	400.00	0.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
EROSION CONTROL					\$35,175.56
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	919	LIN. FT.	2.50	2,297.50
SEEDING AND MULCHING	659	510.56	SQ. YD.	4.00	2,042.22
EROSION CONTROL SUBTOTAL					\$4,339.72
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	8,572.76	8,572.76
FIELD OFFICE	619	1	LUMP	3,429.10	3,429.10
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,429.10	3,429.10
MOBILIZATION	624	1	LUMP	5,143.66	5,143.66
MISCELLANEOUS SUBTOTAL					\$20,574.63
Project Subtotal					\$60,089.90
15% Project Contingencies					\$9,013.49
Opinion of Probable Construction Cost					\$69,103.39
Force Account (10% of Subtotal)					\$6,010.34
Engineering Design Services (15% of Subtotal)					\$10,365.51
Right of Way Acquisition					\$0.00
Utility Relocation					\$0.00
PROJECT ESTIMATE					\$86,379.24

OPERATION SAFEWALKS

Nelson Road from Livingston Avenue to Main Street



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



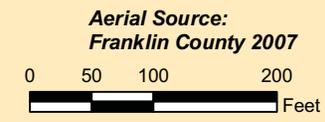
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 2,826'

R/W Acquisition: \$66,828
Utility Relocation: 0
Project Estimate: \$336,059

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 3,283'

R/W Acquisition: \$53,042
Utility Relocation: 0
Project Estimate: \$380,562



OPERATION SAFEWALKS

Nelson Road from Livingston Avenue to Main Street



LEGEND

- | | | | |
|----------------------------------|---------|-------------|----------------------------|
| 0 | 5 to 6 | Railroad | Parcel Boundary |
| 1 to 2 | 7 to 8 | School | COTA Bus Stop (April 2007) |
| 3 to 4 | 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist_Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

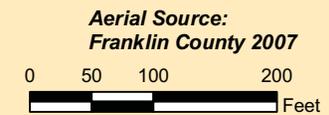
PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 2,826'

R/W Acquisition: \$66,828
Utility Relocation: 0
Project Estimate: \$336,059

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 3,283'

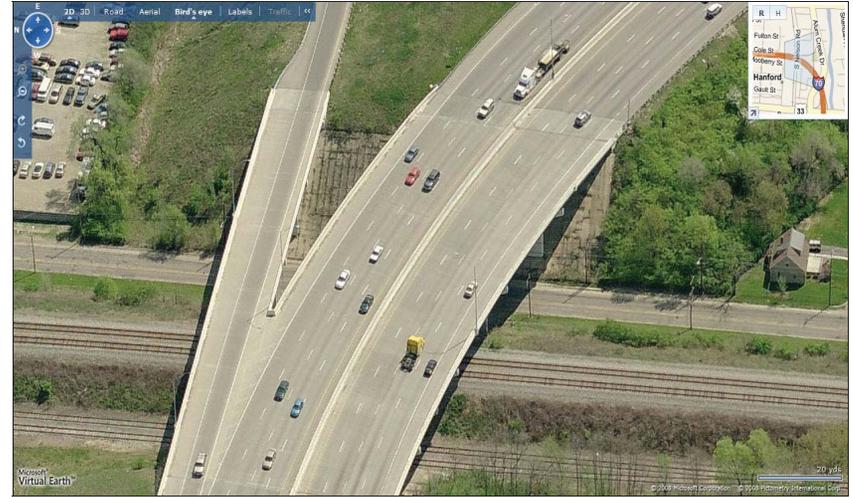
R/W Acquisition: \$53,042
Utility Relocation: 0
Project Estimate: \$380,562

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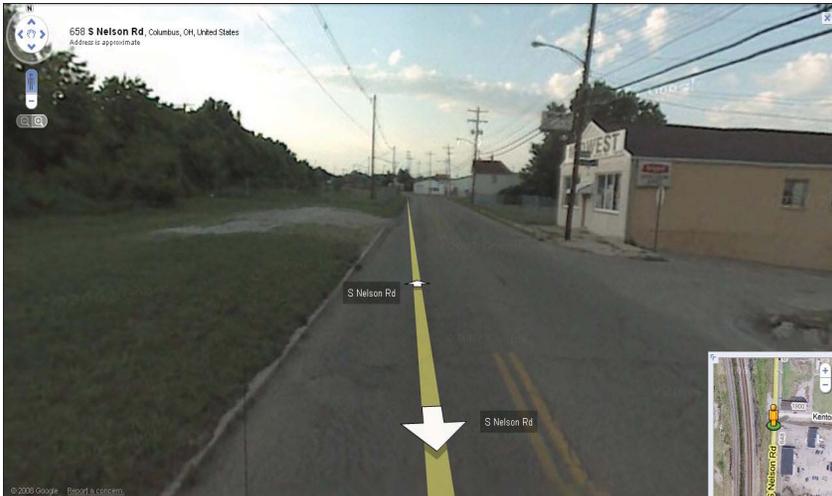




Picture is directed north at Livingston Ave intersection. Walk can be located adjacent to curb - drainage should be able to drain over walk into street - Utility poles both sides of road will require walk to be shifted to avoid - R/W will be needed.



Picture is aerial shot of I70 at Nelson Road. City may want to consider eliminating the walk on the west side of Nelson Road adjacent to railroad and place walk on east side only. Cost estimate assumes walk on both sides of Nelson Road.



Picture is directed north at Kenton Street intersection. Walk can be located adjacent to curb, or offset to provide buffer - drainage should be able to drain over walk into street - Utility poles both sides of road will require walk to be shifted to avoid - R/W will be needed.



Picture is directed north at McAllister Avenue intersection. Walk appears to be best located adjacent to curb - drainage should be able to drain over walk into street - R/W will be needed.



OPERATION SAFEWALKS - Nelson Road (Livingston Avenue to Main Street)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) / right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	Nelson Road (Livingston Avenue to Main Street)	Arterial	2826	7	30'	40'	5' (L&R)	curbed section - N/A	None apparent	2	0	0	10	\$66,828	None anticipated	\$0	\$215,385	\$336,059	No	Right of Way will be needed at several locations - drainage should be able to drain over walk into street - Utility poles both sides of road should be able to be avoided - NO to QTC for these reasons
SE	(5/6)	Nelson Road (Livingston Avenue to Main Street)	Arterial	3283	7	30'	Varies from 40' to 50'	5' min at various locations	curbed section - N/A	None apparent	2	0	0	5	\$53,042	None anticipated	\$0	\$262,015	\$380,562	No	Right of Way will be needed at several locations - drainage should be able to drain over walk into street - Utility poles both sides of road should be able to be avoided - NO to QTC for these reasons

Nelson Road (Livingston Avenue to Main Street)						QUAD	PRIORITY
						SE	(7/8)
General Estimating Data							
Street Classification	Arterial						
Priority Length (ft)	2826	if					
Anticipated Sidewalk width	7	if					
Number of intersection quadrants	0	ea					
Number of alleys	0	ea					
Number of curb ramps	12	ea					
Number of driveways	2	ea					
Square feet of driveways (SQ FT)	200	sq ft					
Square feet of sidewalk (SQ FT)	19782	sq ft					
retaining wall estimate greater than 4 ft in height	0	if					
retaining wall estimate less than 4 ft in height	0	if					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	2						
DESCRIPTION		ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	732.67	CU. YD.	20.00	14,653.33		
EMBANKMENT	203	104.67	CU. YD.	20.00	2,093.33		
SUBGRADE COMPACTION	204	2220.22	SQ. YD.	2.00	4,440.44		
8" CONCRETE WALK	608	1200	SQ. FT.	8.00	10,800.00		
4" CONCRETE WALK	608	18582	SQ. FT.	6.00	111,492.00		
CONCRETE DRIVEWAY APRONS	452	22	SQ. YD.	40.00	888.80		
CURB RAMPS	608	12	EACH	700.00	8,400.00		
NEW-DETECTABLE WARNING	SS1551	12	EACH	400.00	4,800.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
SIDEWALK SUBTOTAL						\$160,068.00	
EROSION CONTROL							
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2826	LIN. FT.	2.50	7,065.00		
SEEDING AND MULCHING	659	1570.00	SQ. YD.	4.00	6,280.00		
EROSION CONTROL SUBTOTAL						\$13,345.00	
MISCELLANEOUS (PRORATED)							
MAINTAINING TRAFFIC	614	1	LUMP	5,782.45	5,782.45		
FIELD OFFICE	619	1	LUMP	2,312.98	2,312.98		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,312.98	2,312.98		
MOBILIZATION	624	1	LUMP	3,469.47	3,469.47		
MISCELLANEOUS SUBTOTAL						\$13,877.89	
Project Subtotal						\$187,290.89	
15% Project Contingencies						\$28,093.63	
Opinion of Probable Construction Cost						\$215,384.52	
Force Account (10% of Subtotal)						\$21,538.45	
Engineering Design Services (15% of Subtotal)						\$32,397.68	
Right of Way Acquisition						\$66,828.28	
Utility Relocation						\$0.00	
PROJECT ESTIMATE						\$336,058.93	

Nelson Road (Livingston Avenue to Main Street)						QUAD	PRIORITY
						SE	(5/6)
General Estimating Data							
Street Classification	Arterial						
Priority Length (ft)	3283	if					
Anticipated Sidewalk width	7	if					
Number of intersection quadrants	9	ea					
Number of alleys	1	ea					
Number of curb ramps	20	ea					
Number of driveways	7	ea					
Square feet of driveways (SQ FT)	700	sq ft					
Square feet of sidewalk (SQ FT)	22981	sq ft					
retaining wall estimate greater than 4 ft in height	0	if					
retaining wall estimate less than 4 ft in height	0	if					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	2						
DESCRIPTION		ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	851.15	CU. YD.	20.00	17,022.96		
EMBANKMENT	203	121.59	CU. YD.	20.00	2,431.85		
SUBGRADE COMPACTION	204	2631.22	SQ. YD.	2.00	5,262.44		
8" CONCRETE WALK	608	2000	SQ. FT.	9.00	18,000.00		
4" CONCRETE WALK	608	20981	SQ. FT.	6.00	125,886.00		
CONCRETE DRIVEWAY APRONS	452	78	SQ. YD.	40.00	3,111.11		
CURB RAMPS	608	20	EACH	700.00	14,000.00		
NEW-DETECTABLE WARNING	SS1551	20	EACH	400.00	8,000.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00		
SIDEWALK SUBTOTAL						\$196,214.37	
EROSION CONTROL							
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	3283	LIN. FT.	2.50	8,207.50		
SEEDING AND MULCHING	659	1823.89	SQ. YD.	4.00	7,295.56		
EROSION CONTROL SUBTOTAL						\$15,503.06	
MISCELLANEOUS							
MAINTAINING TRAFFIC	614	1	LUMP	6,717.55	6,717.55		
FIELD OFFICE	619	1	LUMP	2,687.02	2,687.02		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,687.02	2,687.02		
MOBILIZATION	624	1	LUMP	4,030.53	4,030.53		
MISCELLANEOUS SUBTOTAL						\$16,122.11	
Project Subtotal						\$227,839.54	
15% Project Contingencies						\$34,175.93	
Opinion of Probable Construction Cost						\$262,015.47	
Force Account (10% of Subtotal)						\$26,201.55	
Engineering Design Services (15% of Subtotal)						\$39,302.32	
Right of Way Acquisition						\$53,042.24	
Utility Relocation						\$0.00	
PROJECT ESTIMATE						\$380,561.58	

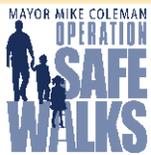
OPERATION SAFEWALKS

James Road from Main Street to Broad Street



LEGEND

- | | | | |
|----------------------------------|---------------------------|-------------|----------------------------|
| Sidewalk Priority 0 | Sidewalk Priority 5 to 6 | Railroad | Parcel Boundary |
| Sidewalk Priority 1 to 2 | Sidewalk Priority 7 to 8 | School | COTA Bus Stop (April 2007) |
| Sidewalk Priority 3 to 4 | Sidewalk Priority 9 to 10 | Transformer | Streetlight |
| DOS_Water_Dist_Net_Net_Junctions | | | |
| DOS_SewerManhole | | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 9-10 = 1,935'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$209,652

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 2,774'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$239,923

Page 1 of 4

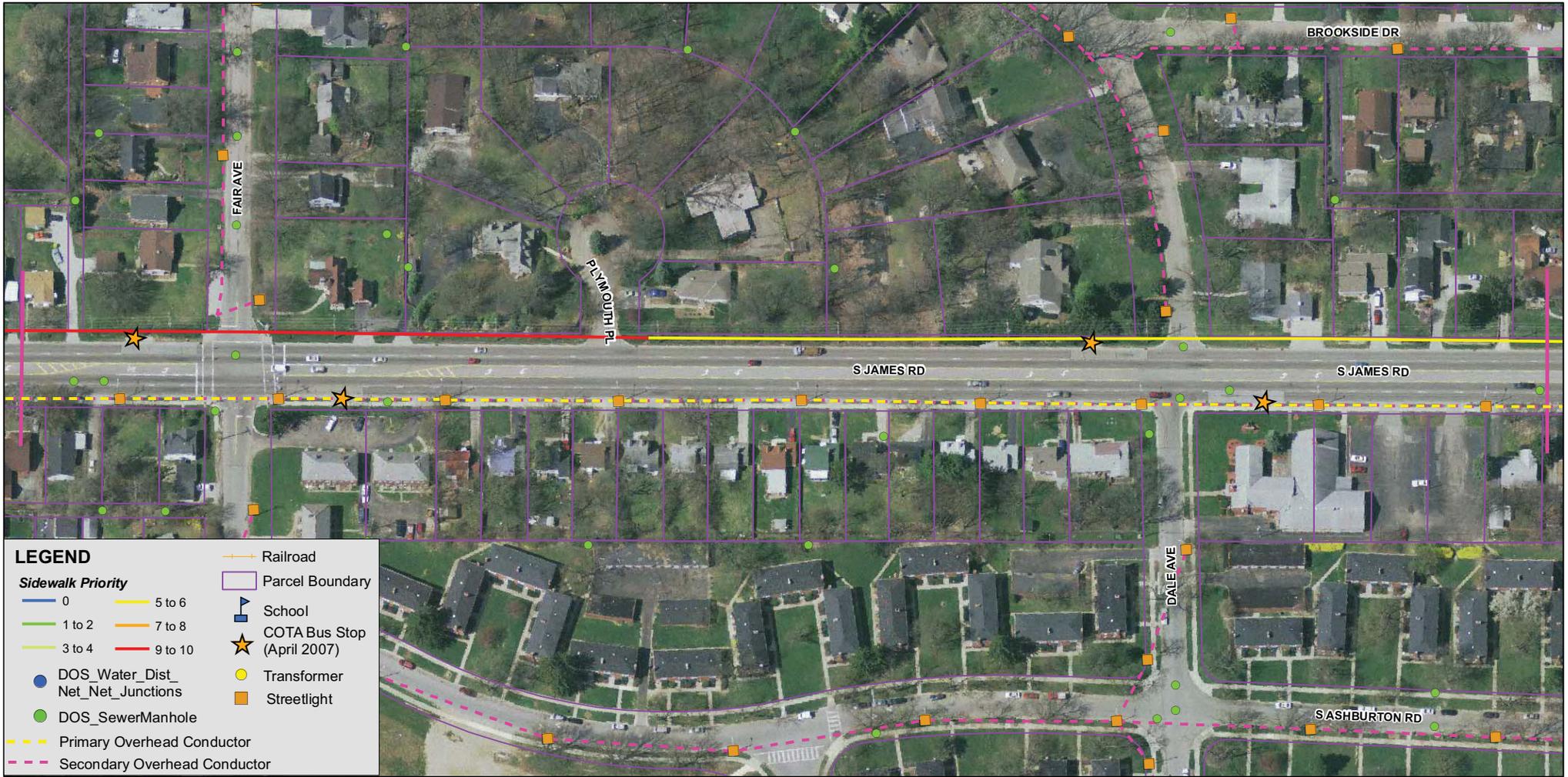


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

James Road from Main Street to Broad Street



LEGEND

- 0
- 1 to 2
- 3 to 4
- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole
- - - Primary Overhead Conductor
- - - Secondary Overhead Conductor
- Railroad
- Parcel Boundary
- School
- ★ COTA Bus Stop (April 2007)
- Transformer
- Streetlight

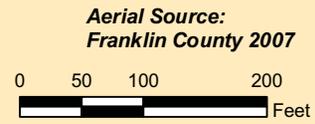


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 9-10 = 1,935'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$209,652

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6 = 2,774'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$239,923

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OPERATION SAFEWALKS

James Road from Main Street to Broad Street



LEGEND

Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Yellow line)
- 5 to 6 (Orange line)
- 7 to 8 (Red line)
- 9 to 10 (Dark Red line)

- DOS_Water_Dist_ (Blue circle)
- Net_Net_Junctions (Blue square)
- DOS_SewerManhole (Green circle)

- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue building icon)
- COTA Bus Stop (April 2007) (Yellow star)
- Transformer (Yellow circle)
- Streetlight (Orange square)



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 9-10 = 1,935'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$209,652

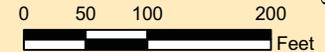
PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 2,774'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$239,923

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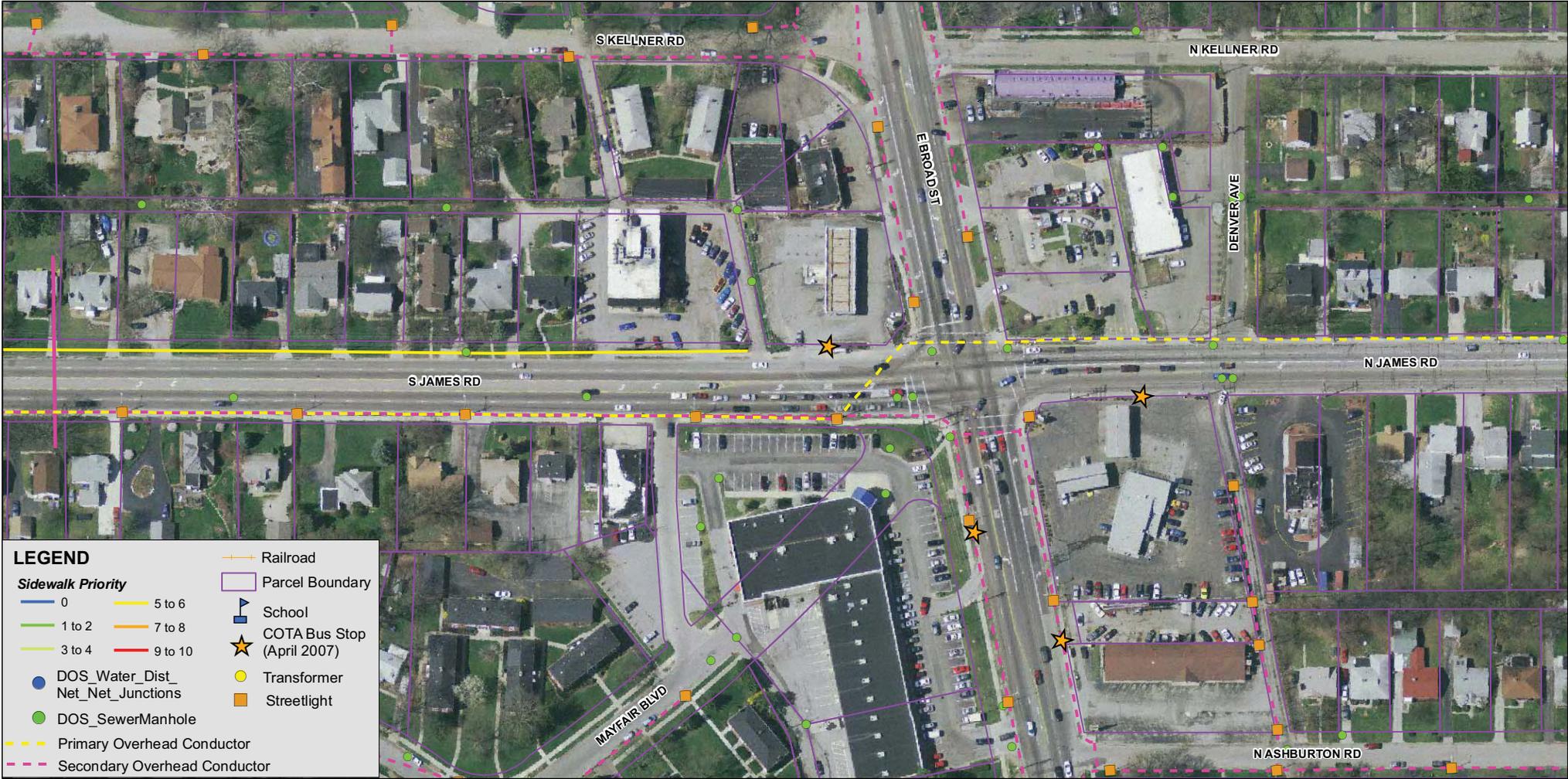


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

James Road from Main Street to Broad Street



LEGEND

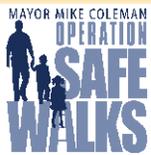
Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Yellow line)
- 5 to 6 (Orange line)
- 7 to 8 (Red line)
- 9 to 10 (Dark Red line)

- DOS_Water_Dist (Blue circle)
- Net_Net_Junctions (Blue square)
- DOS_SewerManhole (Green circle)

- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle)
- Streetlight (Orange square)



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 9-10 = 1,935'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$209,652

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 2,774'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$239,923

Page 4 of 4



Aerial Source:
Franklin County 2007





OPERATION SAFEWALKS - James Road (Main Street to Broad Street)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(9/10)	James Road (Main Street to Broad Street)	Arterial (4-2D)	1935	7	54	80	13' (L&R)	curbed section - N/A	None apparent	2	0	0	0	\$0	None anticipated	\$0	\$167,722	\$209,652	Yes	Right of Way appears ample - drainage should be able to drain over walk into street - Utilities appear clear
SE	(5/6)	James Road (Main Street to Broad Street)	Arterial (4-2D)	2774	5	54	80	13' (L&R)	curbed section - N/A	None apparent	2 (25%) & 4 (75%)	0	0	0	\$0	None anticipated - but a utility pole line will possibly need relocated	\$0	\$191,939	\$239,923	No	Right of Way appears ample - drainage should be able to drain over walk into street - to avoid relocating utility poles, a combination of sidewalk section 2 & 4 is anticipated to be required

James Road (Main Street to Broad Street)					QUAD	PRIORITY
					SE	(9/10)
General Estimating Data						
Street Classification	Arterial (4-2D)					
Priority Length (ft)	1935	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	0	ea				
Number of alleys	1	ea				
Number of curb ramps	14	ea				
Number of driveways	14	ea				
Square feet of driveways (SQ FT)	1400	sq ft				
square feet of sidewalk (SQ FT)	13545	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	Yes					
Proposed sidewalk typical (see exhibit 3)	2					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	501.67	CU. YD.	20.00	10,033.33	
EMBANKMENT	203	71.87	CU. YD.	20.00	1,433.33	
SUBGRADE COMPACTION	204	1660.56	SQ. YD.	2.00	3,321.11	
8" CONCRETE WALK	608	1400	SQ. FT.	9.00	12,600.00	
4" CONCRETE WALK	608	12145	SQ. FT.	6.00	72,870.00	
CONCRETE DRIVEWAY APRONS	452	156	SQ. YD.	40.00	6,222.22	
CURB RAMPS	000	14	CACII	700.00	9,800.00	
NEW-DETECTABLE WARNING	SS1551	14	EACH	400.00	5,600.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
				SIDEWALK SUBTOTAL	\$124,380.00	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1935	LIN. FT.	2.50	4,837.50	
SEEDING AND MULCHING	659	1075.00	SQ. YD.	4.00	4,300.00	
				EROSION CONTROL SUBTOTAL	\$9,137.50	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	5,136.44	5,136.44	
FIELD OFFICE	619	1	LUMP	2,054.58	2,054.58	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,084.58	2,084.58	
MOBILIZATION	624	1	LUMP	3,081.86	3,081.86	
				MISCELLANEOUS SUBTOTAL	\$12,322.46	
				Project Subtotal	\$145,844.56	
				15% Project Contingencies	\$21,876.74	
				Opinion of Probable Construction Cost	\$167,721.70	
				Force Account (10% of Subtotal)	\$16,772.17	
				Engineering Design Services (15% of Subtotal)	\$25,158.26	
				Right of Way Acquisition	\$0.00	
				Utility Relocation	\$0.00	
				PROJECT ESTIMATE	\$209,652.13	

James Road (Main Street to Broad Street)					QUAD	PRIORITY
					SE	(5/6)
General Estimating Data						
Street Classification	Arterial (4-2D)					
Priority Length (ft)	2774	if				
Anticipated Sidewalk width	5	if				
Number of intersection quadrants	6	ea				
Number of alleys	1	ea				
Number of curb ramps	14	ea				
Number of driveways	33	ea				
Square feet of driveways (SQ FT)	3300	sq ft				
square feet of sidewalk (SQ FT)	13870	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	2 (25%) & 4 (75%)					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	513.70	CU. YD.	20.00	10,274.07	
EMBANKMENT	203	102.74	CU. YD.	20.00	2,054.81	
SUBGRADE COMPACTION	204	1907.78	SQ. YD.	2.00	3,815.56	
8" CONCRETE WALK	608	1400	SQ. FT.	9.00	12,600.00	
4" CONCRETE WALK	608	12470	SQ. FT.	6.00	74,820.00	
CONCRETE DRIVEWAY APRONS	452	367	SQ. YD.	40.00	14,666.67	
CURB RAMPS	000	14	CACII	700.00	9,800.00	
NEW-DETECTABLE WARNING	SS1551	14	EACH	400.00	5,600.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
				SIDEWALK SUBTOTAL	\$136,131.11	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2774	LIN. FT.	2.50	6,935.00	
SEEDING AND MULCHING	659	1541.11	SQ. YD.	4.00	6,164.44	
				EROSION CONTROL SUBTOTAL	\$13,099.44	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	7,363.56	7,363.56	
FIELD OFFICE	619	1	LUMP	2,945.42	2,945.42	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,945.42	2,945.42	
MOBILIZATION	624	1	LUMP	4,418.14	4,418.14	
				MISCELLANEOUS SUBTOTAL	\$17,672.54	
				Project Subtotal	\$166,903.10	
				15% Project Contingencies	\$25,035.46	
				Opinion of Probable Construction Cost	\$191,938.56	
				Force Account (10% of Subtotal)	\$19,193.86	
				Engineering Design Services (15% of Subtotal)	\$28,790.78	
				Right of Way Acquisition	\$0.00	
				Utility Relocation	\$0.00	
				PROJECT ESTIMATE	\$239,923.50	



Picture is directed north at Bexley Park Road intersection. Walk could be located adjacent to curb and shifted or widened at locations of utilities. Right of Way appears ample - drainage should be able to drain over walk into street.



Picture is directed north just north of Plymouth Place intersection. Walk could be located adjacent to curb similar to the east side walk already in place. Right of Way appears ample - drainage should be able to drain over walk into street.



Picture is directed north just south of Elbern Avenue intersection. Walk could be located adjacent to curb to best avoid utilities. Right of Way appears ample - drainage should be able to drain over walk into street.



Picture is directed north approximately 1000 feet south of Broad Street. Walk could be located adjacent to curb to best avoid utilities. Right of Way appears ample - drainage should be able to drain over walk into street.

OPERATION SAFEWALKS

Marion Road from Lockbourne Road to Fairwood Avenue

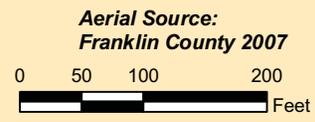
- LEGEND**
- | | | | |
|----------------------------------|-----------------|----------------------------|---------|
| 0 | 5 to 6 | 7 to 8 | 9 to 10 |
| 1 to 2 | Transformer | Streetlight | |
| 3 to 4 | School | COTA Bus Stop (April 2007) | |
| DOS_Water_Dist_Net_Net_Junctions | Parcel Boundary | | |
| DOS_SewerManhole | Railroad | | |
| Primary Overhead Conductor | | | |
| Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 2,514'
 R/W Acquisition: \$70,400
 Utility Relocation: 0
 Project Estimate: \$278,107

Page 1 of 2



OPERATION SAFEWALKS

Marion Road from Lockbourne Road to Fairwood Avenue

- LEGEND**
- | | |
|------------------------------------|------------------------------|
| Sidewalk Priority | —+— Railroad |
| — 0 — | □ Parcel Boundary |
| — 1 to 2 — | ⚓ School |
| — 3 to 4 — | ★ COTA Bus Stop (April 2007) |
| ● DOS_Water_Dist_Net_Net_Junctions | ● Transformer |
| ● DOS_SewerManhole | ■ Streetlight |
| - - - Primary Overhead Conductor | |
| - - - Secondary Overhead Conductor | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8 = 2,514'
 R/W Acquisition: \$70,400
 Utility Relocation: 0
 Project Estimate: \$278,107

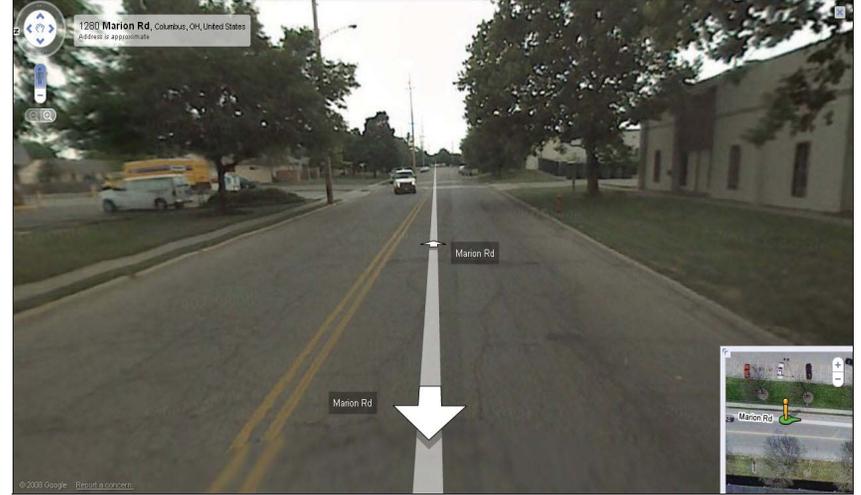
Page 2 of 2

Aerial Source:
 Franklin County 2007





Picture is directed east approximately 300' east of Lockbourne Road. Walk could be placed immediately adjacent to curb, or offset to provide buffer - drainage should be able to drain over walk into street - Utilities such as fire hydrants may require walk to be shifted to avoid - R/W appears to be needed.



Picture is directed east approximately 700' east of Lockbourne Road. Walk could be placed immediately adjacent to curb, or offset to provide buffer - drainage should be able to drain over walk into street - Utilities such as fire hydrants may require walk to be shifted to avoid - R/W appears to be needed.



Picture is directed east approximately 1450' east of Lockbourne Road. Walk could be placed immediately adjacent to curb, or offset to provide buffer - drainage should be able to drain over walk into street - Utilities such as fire hydrants may require walk to be shifted to avoid - R/W appears to be needed.



Picture is directed east just west of Fairwood Avenue. Walk could be placed immediately adjacent to curb, or offset to provide buffer - drainage should be able to drain over walk into street - Utilities such as fire hydrants may require walk to be shifted to avoid - R/W appears to be needed.



OPERATION SAFEWALKS - Marion Road (Lockbourne Road to Fairwood Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	Marion Road (Lockbourne Road to Fairwood Avenue)	Arterial	2514	5	44'	60'	8' (L/R)	curbed section - N/A	None apparent	4	0	0	11	\$70,400	fire hydrants exist, but relocation not anticipated	\$0	\$166,165	\$278,107	No	Curbed roadway - Right of Way required - minimal drainage issues - significant utilities relocations not anticipated

Marion Road (Lockbourne Road to Fairwood Avenue)						QUAD	PRIORITY
						SE	(7/8)
General Estimating Data							
Street Classification	Arterial						
Priority Length (ft)	2514	if					
Anticipated Sidewalk width	5	if					
Number of intersection quadrants	2	ea					
Number of alleys	0	ea					
Number of curb ramps	4	ea					
Number of driveways	11	ea					
Square feet of driveways (SQ FT)	1100	sq ft					
square feet of sidewalk (SQ FT)	12570	sq ft					
retaining wall estimate greater than 4 ft in height	0	if					
retaining wall estimate less than 4 ft in height	0	if					
Estimate of signal upgrades	0	ea					
Quick to Construct Recommendation	No						
Proposed sidewalk typical (see exhibit 3)	4						
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST		
MAJOR SIDEWALK ITEMS							
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00		
EXCAVATION	203	465.56	CU. YD.	20.00	9,311.11		
EMBANKMENT	203	93.11	CU. YD.	20.00	1,862.22		
SUBGRADE COMPACTION	204	1518.89	SQ. YD.	2.00	3,037.78		
8" CONCRETE WALK	608	400	SQ. FT.	9.00	3,600.00		
4" CONCRETE WALK	608	12170	SQ. FT.	6.00	73,020.00		
CONCRETE DRIVEWAY APRONS	452	122	SQ. YD.	40.00	4,888.89		
CURB RAMPS	808	4	EACH	700.00	2,800.00		
NEW-DETECTABLE WARNING	SS1551	4	EACH	400.00	1,600.00		
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT.	200.00	0.00		
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT.	60.00	0.00		
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00		
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00		
					SIDEWALK SUBTOTAL	\$102,620.00	
EROSION CONTROL							
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2514	LIN. FT.	2.50	6,285.00		
SEEDING AND MULCHING	659	1396.67	SQ. YD.	4.00	5,586.67		
					EROSION CONTROL SUBTOTAL	\$11,871.67	
MISCELLANEOUS							
MAINTAINING TRAFFIC	614	1	LUMP	12,500.00	12,500.00		
FIELD OFFICE	619	1	LUMP	5,000.00	5,000.00		
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	5,000.00	5,000.00		
MOBILIZATION	624	1	LUMP	7,500.00	7,500.00		
					MISCELLANEOUS SUBTOTAL	\$30,000.00	
					Project Subtotal	\$144,491.67	
					15% Project Contingencies	\$21,673.75	
					Opinion of Probable Construction Cost	\$166,165.42	
					Force Account (10% of Subtotal)	\$16,616.54	
					Engineering Design Services (15% of Subtotal)	\$24,924.81	
					Right of Way Acquisition	\$70,400.00	
					Utility Relocation	\$0.00	
					PROJECT ESTIMATE	\$278,106.77	

OPERATION SAFEWALKS

Groveport Road from Wilson Avenue to Augmont Avenue



LEGEND

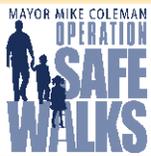
Sidewalk Priority

- 0
- 1 to 2
- 3 to 4
- 5 to 6
- 7 to 8
- 9 to 10

- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole

- - - Primary Overhead Conductor
- - - Secondary Overhead Conductor

- +— Railroad
- Parcel Boundary
- ▢ School
- ★ COTA Bus Stop (April 2007)
- Transformer
- Streetlight



City of Columbus
Public Service Department
Transportation Division

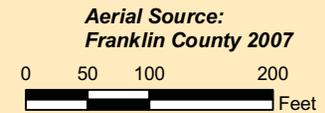
PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 6,797'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$594,580

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 1,856'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$181,609

Page 1 of 3



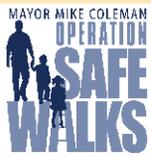
OPERATION SAFEWALKS

Groveport Road from Wilson Avenue to Augmont Avenue



LEGEND

- | | | | |
|------------------------------------|---------------|------------------------------|-------------------|
| — 0 | — 5 to 6 | —+— Railroad | □ Parcel Boundary |
| — 1 to 2 | — 7 to 8 | ▣ School | |
| — 3 to 4 | — 9 to 10 | ★ COTA Bus Stop (April 2007) | |
| ● DOS_Water_Dist_Net_Net_Junctions | ● Transformer | ▣ Streetlight | |
| ● DOS_SewerManhole | | | |
| --- Primary Overhead Conductor | | | |
| --- Secondary Overhead Conductor | | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 6,797'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$594,580

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 1,856'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$181,609

Page 2 of 3



Aerial Source:
Franklin County 2007



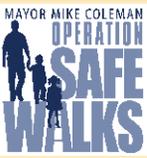
OPERATION SAFEWALKS

Groveport Road from Wilson Avenue to Augmont Avenue



LEGEND

- | | | | | | |
|----------------------------------|------------------------------|--------------------------|---------------------------|----------|----------------------------|
| Sidewalk Priority 0 | Sidewalk Priority 5 to 6 | Sidewalk Priority 7 to 8 | Sidewalk Priority 9 to 10 | Railroad | Parcel Boundary |
| Sidewalk Priority 1 to 2 | Sidewalk Priority 3 to 4 | | | School | COTA Bus Stop (April 2007) |
| DOS_Water_Dist_Net_Net_Junctions | DOS_SewerManhole | Transformer | Streetlight | | |
| Primary Overhead Conductor | Secondary Overhead Conductor | | | | |



City of Columbus
Public Service Department
Transportation Division

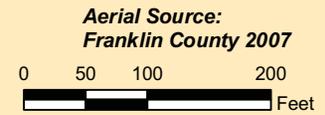
PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 6,797'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$594,580

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 1,856'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$181,609

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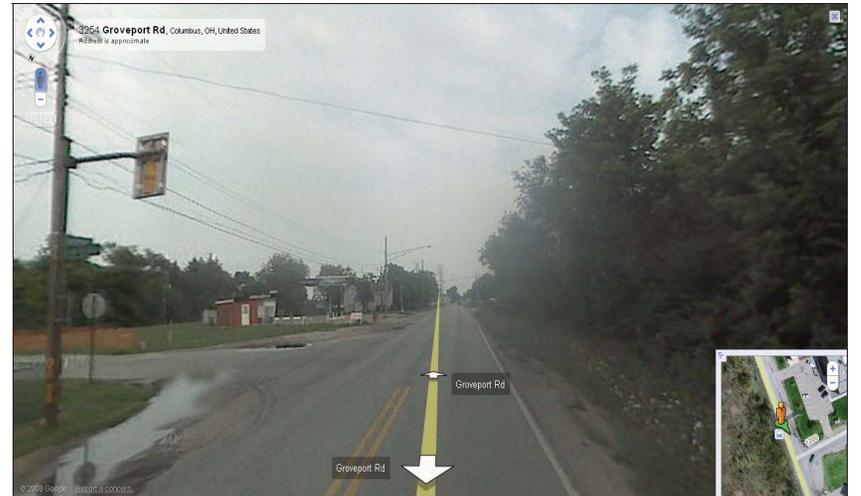
Picture is directed southeast approximately 100' southeast of Wilson Avenue. Majority of north side R/W appears ample to provide allowable offset, but south side can't be obtained w/o significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage (both sides).



Picture is directed east approximately 200' west of Grovewood Drive. Majority of north side R/W appears ample to provide allowable offset, but south side allowable offset can't be obtained w/o significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage (both sides).



Picture is directed southeast approximately 800' southeast of Grovewood Drive. Majority of north side R/W appears ample to provide allowable offset, but south side can't be obtained w/o significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage (both sides).



Picture is directed southeast at Clarfield Avenue. Majority of north side R/W appears ample to provide allowable offset, but south side allowable offset can't be obtained w/o significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage (both sides).



OPERATION SAFEWALKS - Groveport Road (Wilson Avenue to Augmont Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	Groveport Road (Wilson Avenue to Augmont Avenue)	Arterial (4-2)	6797	7	20	varies 60 to 80+	30' min at various locations	Majority of North Side (Yes) - South Side (No)	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$475,664	\$594,580	No	Majority of North Side - R/W appears ample to provide allowable offset, but South side allowable offset can not be obtained without significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage at the locations of sidewalk addition
SE	(5/6)	Groveport Road (Wilson Avenue to Augmont Avenue)	Arterial (4-2)	1856	7	20	varies 60 to 80+	30' min at various locations	Majority of North Side (Yes) - South Side (No)	None apparent	1	0	0	0	\$0	None anticipated	\$0	\$145,287	\$181,609	No	Majority of North Side - R/W appears ample to provide allowable offset, but South side allowable offset can not be obtained without significant drainage provisions - recommend NO to QTC because plans will be needed to maintain ditch drainage at the locations of sidewalk addition

Groveport Road (Wilson Avenue to Augmont Avenue)					QUAD	PRIORITY
					SE	(7/8)
General Estimating Data						
Street Classification	Arterial (4-2)					
Priority Length (ft)	6797	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	6	ea				
Number of alleys	0	ea				
Number of curb ramps	12	ea				
Number of driveways	5	ea				
Square feet of driveways (SQ FT)	500	sq ft				
square feet of sidewalk (SQ FT)	47579	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	1762.19	CU. YD.	20.00	\$5,243.70	
EMBANKMENT	203	251.74	CU. YD.	20.00	5,034.81	
SUBGRADE COMPACTION	204	5342.11	SQ. YD.	2.00	10,684.22	
8" CONCRETE WALK	608	1200	SQ. FT.	9.00	10,800.00	
4" CONCRETE WALK	608	46379	SQ. FT.	6.00	279,274.00	
CONCRETE DRIVEWAY APRONS	452	56	SQ. YD.	40.00	2,222.22	
CURB RAMPS	608	12	EACH	700.00	8,400.00	
NEW DETECTABLE WARNING	SS1551	12	EACH	400.00	4,800.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
SIDEWALK SUBTOTAL					\$357,958.96	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	6797	LIN. FT.	2.50	16,992.50	
SEEDING AND MULCHING	659	3776.11	SQ. YD.	4.00	15,104.44	
EROSION CONTROL SUBTOTAL					\$32,096.94	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	9,818.85	9,818.85	
FIELD OFFICE	619	1	LUMP	3,927.54	3,927.54	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,927.54	3,927.54	
MOBILIZATION	624	1	LUMP	5,891.31	5,891.31	
MISCELLANEOUS SUBTOTAL					\$23,566.24	
Project Subtotal					\$413,621.14	
15% Project Contingencies					\$62,043.17	
Opinion of Probable Construction Cost					\$475,664.32	
Force Account (10% of Subtotal)					\$47,566.43	
Engineering Design Services (15% of Subtotal)					\$71,349.65	
Right of Way Acquisition					\$0.00	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$594,580.40	

Groveport Road (Wilson Avenue to Augmont Avenue)					QUAD	PRIORITY
					SE	(5/6)
General Estimating Data						
Street Classification	Arterial (4-2)					
Priority Length (ft)	1856	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	6	ea				
Number of alleys	0	ea				
Number of curb ramps	12	ea				
Number of driveways	0	ea				
Square feet of driveways (SQ FT)	0	sq ft				
square feet of sidewalk (SQ FT)	12982	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	481.19	CU. YD.	20.00	9,623.70	
EMBANKMENT	203	68.74	CU. YD.	20.00	1,374.81	
SUBGRADE COMPACTION	204	1443.56	SQ. YD.	2.00	2,887.11	
8" CONCRETE WALK	608	1200	SQ. FT.	9.00	10,800.00	
4" CONCRETE WALK	608	11792	SQ. FT.	6.00	70,752.00	
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00	
CURB RAMPS	608	12	EACH	700.00	8,400.00	
NEW DETECTABLE WARNING	SS1551	12	EACH	400.00	4,800.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
SIDEWALK SUBTOTAL					\$111,137.63	
EROSION CONTROL						
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1856	LIN. FT.	2.50	4,640.00	
SEEDING AND MULCHING	659	1031.11	SQ. YD.	4.00	4,124.44	
EROSION CONTROL SUBTOTAL					\$8,764.44	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	2,681.15	2,681.15	
FIELD OFFICE	619	1	LUMP	1,072.48	1,072.48	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,072.48	1,072.48	
MOBILIZATION	624	1	LUMP	1,608.69	1,608.69	
MISCELLANEOUS SUBTOTAL					\$6,434.76	
Project Subtotal					\$126,336.84	
15% Project Contingencies					\$18,950.53	
Opinion of Probable Construction Cost					\$145,287.36	
Force Account (10% of Subtotal)					\$14,528.74	
Engineering Design Services (15% of Subtotal)					\$21,793.10	
Right of Way Acquisition					\$0.00	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$181,609.20	

OPERATION SAFEWALKS

Lockbourne Road from SR 104 to Frebis Avenue



City of Columbus
Public Service Department
Transportation Division

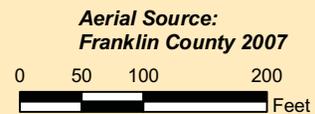
PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 5,048'

R/W Acquisition: \$63,456
Utility Relocation: 0
Project Estimate: \$614,568

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 5,234'

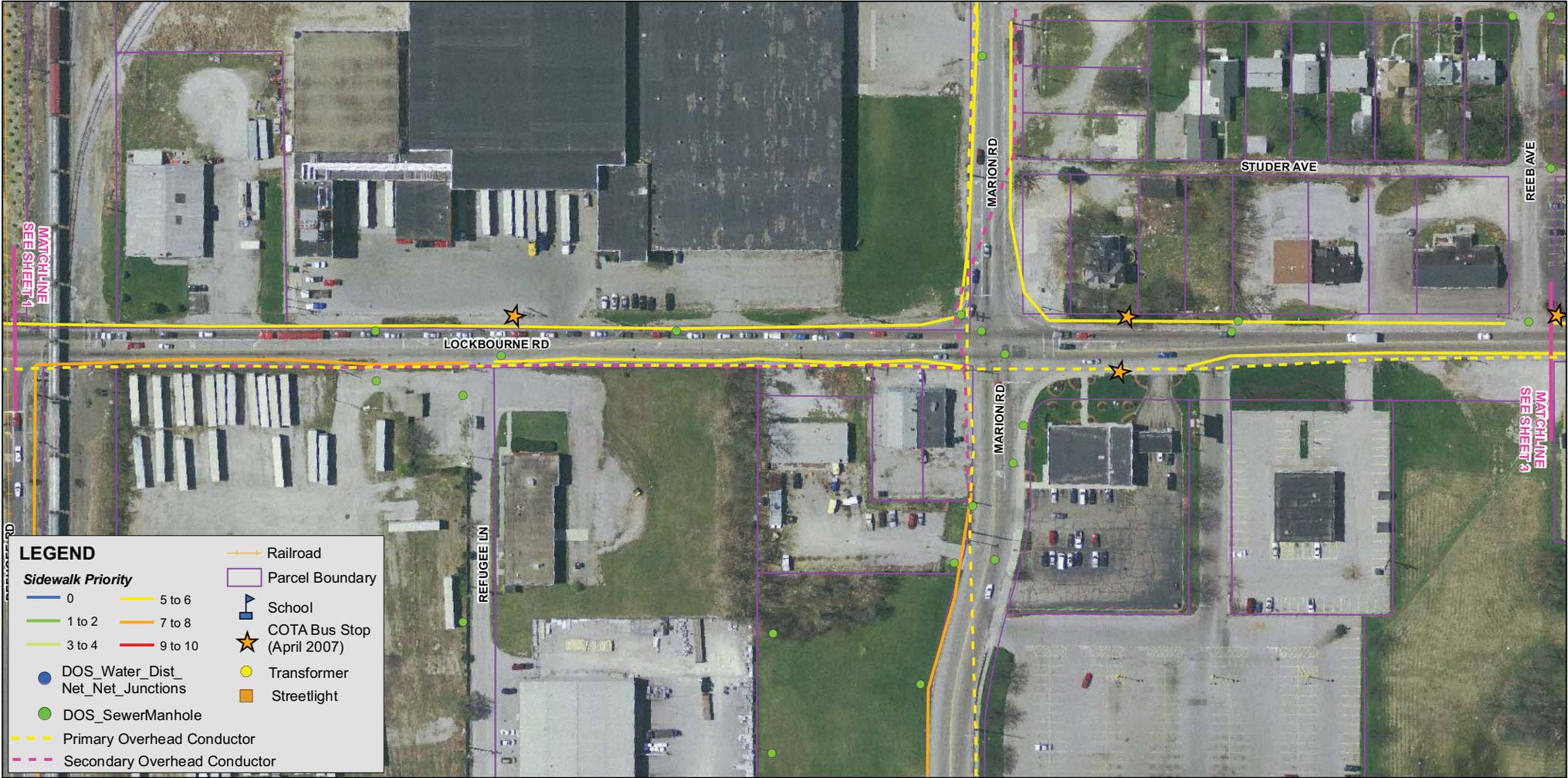
R/W Acquisition: \$87,600
Utility Relocation: 0
Project Estimate: \$650,918

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OPERATION SAFEWALKS

Lockbourne Road from SR 104 to Frebis Avenue



LEGEND

- | | | |
|------------------------------------|--------------------------------|------------------------------|
| Sidewalk Priority | — Railroad | □ Parcel Boundary |
| 0 | — School | ★ COTA Bus Stop (April 2007) |
| 1 to 2 | ★ Transformer | ■ Streetlight |
| 3 to 4 | — Primary Overhead Conductor | |
| 5 to 6 | — Secondary Overhead Conductor | |
| 7 to 8 | | |
| 9 to 10 | | |
| ● DOS_Water_Dist_Net_Net_Junctions | | |
| ● DOS_SewerManhole | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 5,048'

R/W Acquisition: \$63,456
Utility Relocation: 0
Project Estimate: \$614,568

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 5,234'

R/W Acquisition: \$87,600
Utility Relocation: 0
Project Estimate: \$650,918

Page 2 of 5

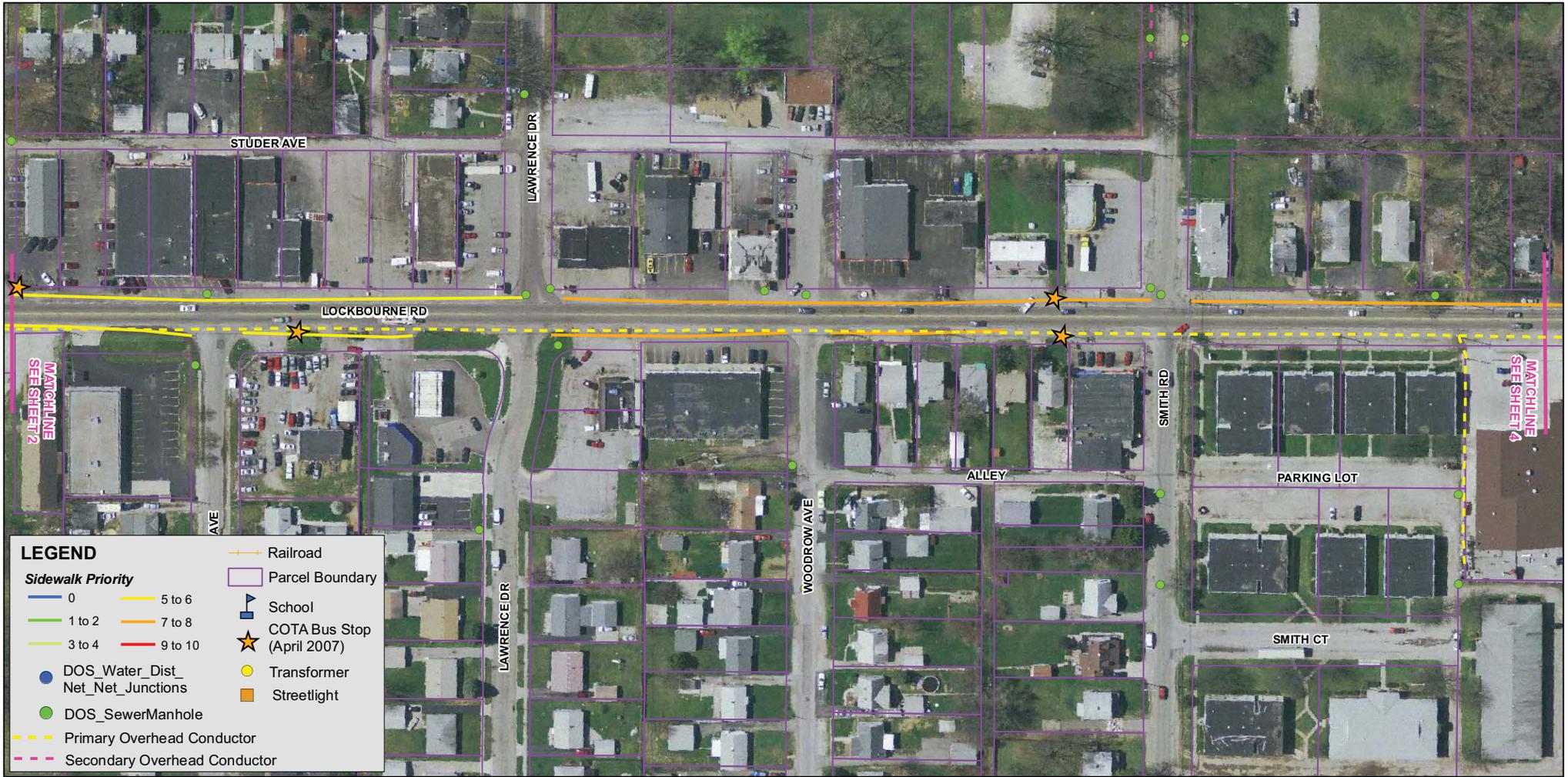


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Lockbourne Road from SR 104 to Frebis Avenue



LEGEND

- | | | |
|--------------------------|------------------------------------|--------------------------------|
| Sidewalk Priority | — Railroad | □ Parcel Boundary |
| 0 (Blue line) | — School | ★ COTA Bus Stop (April 2007) |
| 1 to 2 (Green line) | ● Transformer | ■ Streetlight |
| 3 to 4 (Yellow line) | ● DOS_Water_Dist_Net_Net_Junctions | ● DOS_SewerManhole |
| 5 to 6 (Orange line) | — Primary Overhead Conductor | — Secondary Overhead Conductor |
| 7 to 8 (Red line) | | |
| 9 to 10 (Pink line) | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 5,048'

R/W Acquisition: \$63,456
Utility Relocation: 0
Project Estimate: \$614,568

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 5,234'

R/W Acquisition: \$87,600
Utility Relocation: 0
Project Estimate: \$650,918

Page 3 of 5

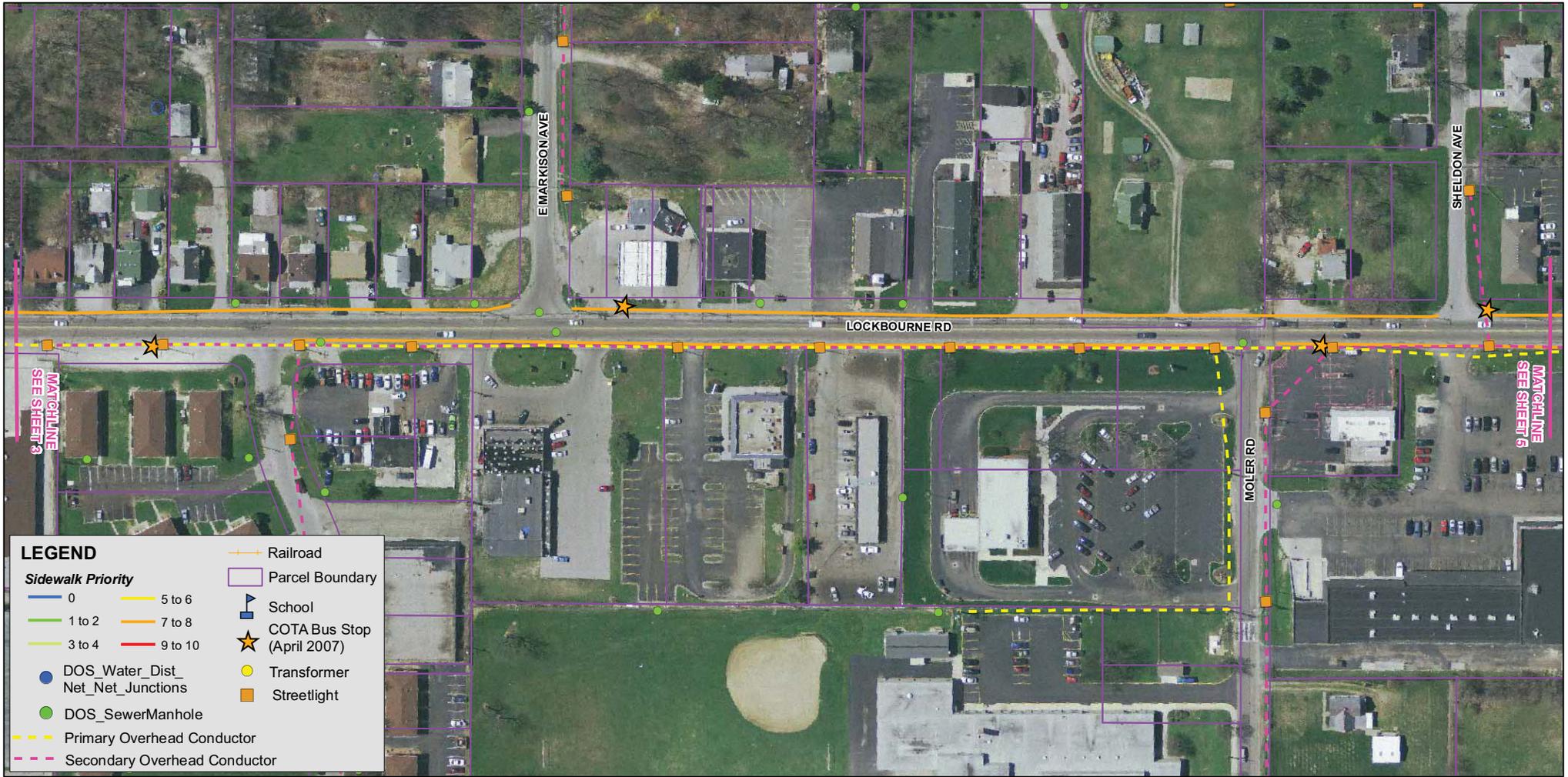


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Lockbourne Road from SR 104 to Frebis Avenue



LEGEND

- | | | |
|------------------------------------|--------------------------------|------------------------------|
| Sidewalk Priority | — Railroad | □ Parcel Boundary |
| 0 | — School | ★ COTA Bus Stop (April 2007) |
| 1 to 2 | — Transformer | ■ Streetlight |
| 3 to 4 | — Primary Overhead Conductor | |
| 5 to 6 | — Secondary Overhead Conductor | |
| 7 to 8 | | |
| 9 to 10 | | |
| ● DOS_Water_Dist_Net_Net_Junctions | | |
| ● DOS_SewerManhole | | |



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 5,048'

R/W Acquisition: \$63,456
Utility Relocation: 0
Project Estimate: \$614,568

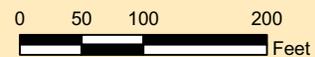
PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 5,234'

R/W Acquisition: \$87,600
Utility Relocation: 0
Project Estimate: \$650,918

Page 4 of 5



Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Lockbourne Road from SR 104 to Frebis Avenue



LEGEND

Sidewalk Priority

- 0 (Blue line)
- 1 to 2 (Green line)
- 3 to 4 (Yellow line)
- 5 to 6 (Orange line)
- 7 to 8 (Red line)
- 9 to 10 (Dark Red line)

- DOS_Water_Dist_Net_Net_Junctions (Blue circle)
- DOS_SewerManhole (Green circle)

- Primary Overhead Conductor (Yellow dashed line)
- Secondary Overhead Conductor (Pink dashed line)

- Railroad (Orange line with cross-ticks)
- Parcel Boundary (Purple outline)
- School (Blue flag icon)
- COTA Bus Stop (April 2007) (Yellow star icon)
- Transformer (Yellow circle)
- Streetlight (Orange square)

City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 5,048'

R/W Acquisition: \$63,456
Utility Relocation: 0
Project Estimate: \$614,568

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 5,234'

R/W Acquisition: \$87,600
Utility Relocation: 0
Project Estimate: \$650,918

Page 5 of 5



Aerial Source:
Franklin County 2007





Picture is directed north approximately 350' north of SR 104 westbound on/off ramps. R/W needed in several locations, such as culvert area shown above (culvert will need to be extended) - drainage provisions will be required and is part of CIP 772 DOSD project - design required to avoid significant utility relocations.



Picture is directed north approximately 700' north of SR 104 westbound on/off ramps. R/W needed in several locations - drainage provisions will be required and is part of CIP 772 DOSD project - design required to avoid significant utility relocations.



Picture is directed north at Refugee Road. Railroad coordination will be needed.



Picture is directed north approximately 100' south of Markison Avenue. R/W needed in several locations - drainage provisions will be required and is part of CIP 772 DOSD project - design required to avoid significant utility relocations.



OPERATION SAFEWALKS - Lockbourne Road (State Route 104 to Frebis Avenue)

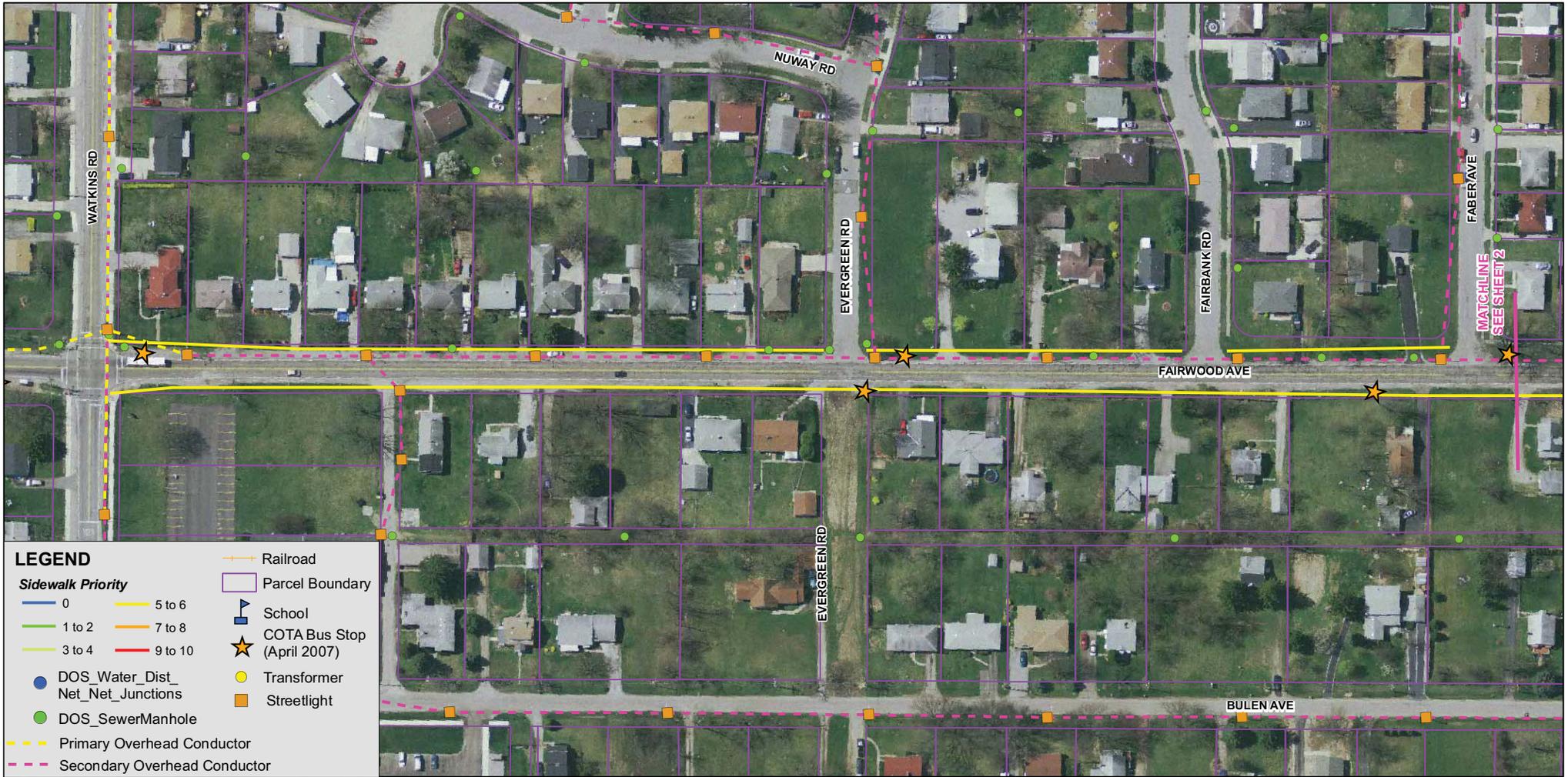
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns/	opinion of COC utility relocation cost;	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/6)	Lockbourne Road (State Route 104 to Frebis Avenue)	Arterial (4-2)	5048	7	Varies from 22' to 36'	Varies from 40' to 90'	Varies - 9' min in several locations	No at several locations	None apparent	1	0	0	11	\$63,456	Pole line along both sides of street will require design effort to avoid relocation	\$0	\$440,890	\$614,568	No	Right of Way not ample in several locations - drainage provisions will be required and is part of CIP 772 D OSD project - culvert will need extended on one side - design required to avoid significant utility relocations -
SE	(5/6)	Lockbourne Road (State Route 104 to Frebis Avenue)	Arterial (4-2)	5234	7	Varies from 22' to 36'	Varies from 40' to 90'	Varies - 9' min in several locations	No at several locations	None apparent	1	0	0	14	\$87,600	Pole line along both sides of street will require design effort to avoid relocation	\$0	\$450,655	\$650,918	No	Right of Way not ample in several locations - drainage provisions will be required and is part of CIP 772 D OSD project - design required to avoid significant utility relocations - Recommend No to QTC for these reasons

Lockbourne Road (State Route 104 to Frebis Avenue)		QUAD	PRIORITY	
		SE	(7/6)	
General Estimating Data				
Street Classification	Arterial (4-2)			
Priority Length (ft)	5048	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	14	ea		
Number of alleys	0	ea		
Number of curb ramps	28	ea		
Number of driveways	50	ea		
Square feet of driveways (SQ FT)	5000	sq ft		
square feet of sidewalk (SQ FT)	35336	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	2	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	1308.74	CU. YD.	26,174.81
EMBANKMENT	203	186.96	CU. YD.	3,739.26
SUBGRADE COMPACTION	204	4481.78	SQ. YD.	8,963.56
8" CONCRETE WALK	608	2600	SQ. FT.	25,200.00
4" CONCRETE WALK	608	32536	SQ. FT.	195,216.00
CONCRETE DRIVEWAY APRONS	452	558	SQ. YD.	40.00
CURB RAMPS	608	28	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	28	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	2	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
EROSION CONTROL				\$344,815.85
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	5048	LIN. FT.	2.50
SEEDING AND MULCHING	659	2804.44	SQ. YD.	4.00
MISCELLANEOUS (PRORATED)				\$23,837.78
MAINTAINING TRAFFIC	614	1	LUMP	6,136.94
FIELD OFFICE	619	1	LUMP	2,454.78
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,454.78
MOBILIZATION	624	1	LUMP	3,692.16
MISCELLANEOUS SUBTOTAL				\$14,728.65
Project Subtotal				\$383,382.28
15% Project Contingencies				\$57,507.34
Opinion of Probable Construction Cost				\$440,889.62
Force Account (10% of Subtotal)				\$44,088.96
Engineering Design Services (15% of Subtotal)				\$66,133.44
Right of Way Acquisition				\$63,456.01
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$614,568.04

Lockbourne Road (State Route 104 to Frebis Avenue)		QUAD	PRIORITY	
		SE	(5/6)	
General Estimating Data				
Street Classification	Arterial (4-2)			
Priority Length (ft)	5234	if		
Anticipated Sidewalk width	7	if		
Number of intersection quadrants	12	ea		
Number of alleys	0	ea		
Number of curb ramps	24	ea		
Number of driveways	36	ea		
Square feet of driveways (SQ FT)	3600	sq ft		
square feet of sidewalk (SQ FT)	36838	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	1	ea		
Quick to Construct Recommendation	No			
Proposed sidewalk typical (see exhibit 3)	1			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COST
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	2,500.00
EXCAVATION	203	1356.96	CU. YD.	27,139.26
EMBANKMENT	203	193.85	CU. YD.	3,877.04
SUBGRADE COMPACTION	204	4470.89	SQ. YD.	8,941.78
8" CONCRETE WALK	608	2400	SQ. FT.	21,600.00
4" CONCRETE WALK	608	34238	SQ. FT.	205,428.00
CONCRETE DRIVEWAY APRONS	452	400	SQ. YD.	40.00
CURB RAMPS	608	24	EACH	700.00
NEW/DETECTABLE WARNING	SS1851	24	EACH	400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	1	EACH	15,000.00
DRAINAGE ESTIMATE (Culvert Extension)	SPECIAL	1	Lump	25,000.00
EROSION CONTROL				\$351,886.07
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	5234	LIN. FT.	2.50
SEEDING AND MULCHING	659	2907.78	SQ. YD.	4.00
MISCELLANEOUS				\$24,716.11
MAINTAINING TRAFFIC	614	1	LUMP	6,363.06
FIELD OFFICE	619	1	LUMP	2,545.22
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	2,545.22
MOBILIZATION	624	1	LUMP	3,817.84
MISCELLANEOUS SUBTOTAL				\$15,271.35
Project Subtotal				\$391,873.53
15% Project Contingencies				\$58,781.03
Opinion of Probable Construction Cost				\$450,654.56
Force Account (10% of Subtotal)				\$45,065.46
Engineering Design Services (15% of Subtotal)				\$67,598.18
Right of Way Acquisition				\$87,600.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$650,918.23

OPERATION SAFEWALKS

Fairwood Avenue from Watkins Road to Koebel Road



LEGEND

<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist Net_Net_Junctions DOS_SewerManhole 	<ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 Transformer Streetlight 	<ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007)
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--- Primary Overhead Conductor
--- Secondary Overhead Conductor



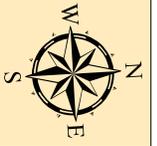
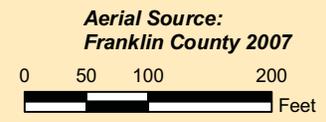
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 9-10, 859'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$95,665

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 7-8, 944'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$99,696

PROJECT SUMMARY
 Quadrant: SE
 Project Length: 5-6, 3,009'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$303,253

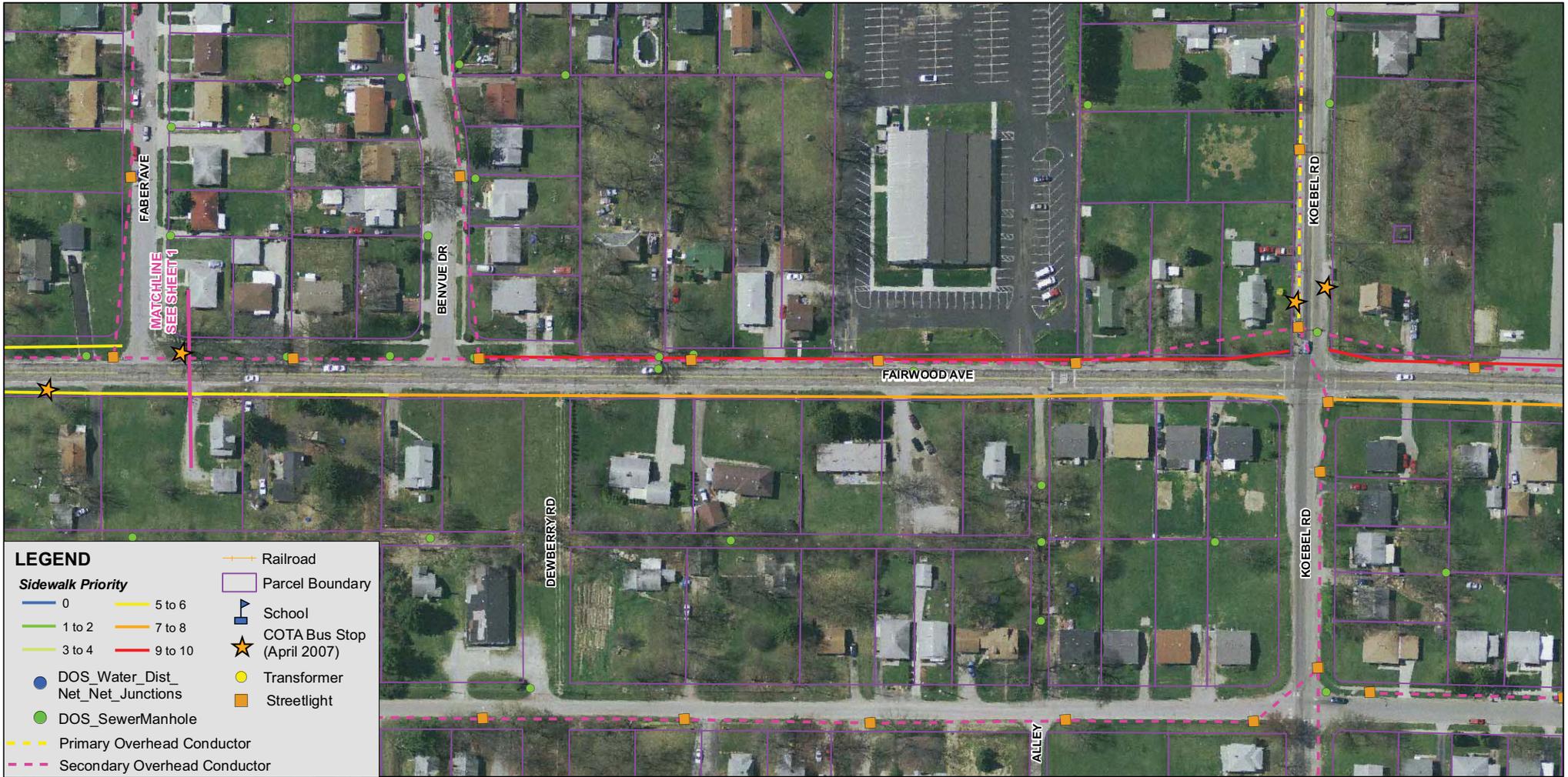
Page 1 of 2



Aerial Source:
Franklin County 2007

OPERATION SAFEWALKS

Fairwood Avenue from Watkins Road to Koebel Road



LEGEND

<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 1 to 2 3 to 4 DOS_Water_Dist Net_Net_Junctions DOS_SewerManhole 	<ul style="list-style-type: none"> 5 to 6 7 to 8 9 to 10 Transformer Streetlight 	<ul style="list-style-type: none"> Railroad Parcel Boundary School COTA Bus Stop (April 2007)
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--- Primary Overhead Conductor
--- Secondary Overhead Conductor



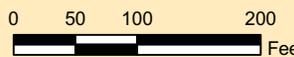
MAYOR MIKE COLEMAN
OPERATION SAFE WALKS
 City of Columbus
 Public Service Department
 Transportation Division

<p>PROJECT SUMMARY Quadrant: SE Project Length: 9-10, 859' R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$95,665</p>	<p>PROJECT SUMMARY Quadrant: SE Project Length: 7-8, 944' R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$99,696</p>	<p>PROJECT SUMMARY Quadrant: SE Project Length: 5-6, 3,009' R/W Acquisition: 0 Utility Relocation: 0 Project Estimate: \$303,253</p>
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Page 2 of 2



Aerial Source:
 Franklin County 2007






Picture is directed north approximately 300' north of Watkins Road. Non-curbed road - Right of Way appears ample if allowable offset can be waived - utility relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.



Picture is directed north approx. 100' north of Benvue Dr. Non-curbed road - R/W appears ample if allowable offset can be waived - utility relocations not anticipated - culvert pipe needs extended. Best design would provide similar offset as existing walk on west side. Recommend No to QTC for drainage concern.



Picture is directed north approximately 320' north of Benvue Dr. Non-curbed road - Right of Way appears ample if allowable offset can be waived - utility relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.



Picture is directed north approximately 200' south of Koebel Road. Non-curbed road - Right of Way appears ample if allowable offset can be waived - utility relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.



OPERATION SAFEWALKS - Fairwood Avenue (Watkins Road to Koebel Road)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(9/10)	Fairwood Avenue (Watkins Road to Koebel Road)	Arterial	859	7	20	varies from 45' to 50'	Varies	Not w/o additional R/W	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$76,532	\$95,665	No	Non-curbed road - Right of Way appears ample if allowable offset can be waived - utilities relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.
SE	(7/8)	Fairwood Avenue (Watkins Road to Koebel Road)	Arterial	944	7	20	varies from 45' to 50'	Varies	Not w/o additional R/W	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$79,757	\$99,696	No	Non-curbed road - Right of Way appears ample if allowable offset can be waived - utilities relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.
SE	(5/6)	Fairwood Avenue (Watkins Road to Koebel Road)	Arterial	3009	7	20	varies from 45' to 70'	Varies	Not w/o additional R/W	None apparent	1	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$242,602	\$303,253	No	Non-curbed road - Right of Way appears ample if allowable offset can be waived - utilities relocations not anticipated - drainage potential issue due to flat terrain - Recommend No to QTC for drainage concern.

Fairwood Avenue (Watkins Road to Koebel Road)		QUAD SE	PRIORITY (9/10)
General Estimating Data			
Street Classification	Arterial		
Priority Length (ft)	859		
Anticipated Sidewalk width	7		
Number of intersection quadrants	3	ea	
Number of alleys	0	ea	
Number of curb ramps	0	ea	
Number of driveways	8	ea	
Square feet of driveways (SQ FT)	800	sq ft	
Square feet of sidewalk (SQ FT)	6013	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP 2,500.00	\$2,500.00
EXCAVATION	203 222.70	CU YD 20.00	4,454.07
EMBANKMENT	203 31.81	CU YD 20.00	636.30
SUBGRADE COMPACTION	204 757.00	SQ YD 2.00	1,514.00
8" CONCRETE WALK	608 800	SQ FT 9.00	5,400.00
4" CONCRETE WALK	608 5413	SQ FT 6.00	32,478.00
CONCRETE DRIVEWAY APRONS	452 89	SQ YD 40.00	3,555.56
CURB RAMPS	608 6	EACH 700.00	4,200.00
NEW-DETECTABLE WARNING	5S1561 6	EACH 400.00	2,400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF 200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF 80.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 0	EACH 5,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP 0.00	0.00
		SIDEWALK SUBTOTAL	\$57,137.93
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM SEEDING AND MULCHING	207 859	LIN FT 2.50	2,147.50
	659 477.22	SQ YD 4.00	1,908.89
		EROSION CONTROL SUBTOTAL	\$4,056.39
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614 1	LUMP 2,231.40	2,231.40
FIELD OFFICE	619 1	LUMP 892.56	892.56
CONSTRUCTION LAYOUT STAKES	623 1	LUMP 892.58	892.58
MOBILIZATION	624 1	LUMP 1,338.84	1,338.84
		MISCELLANEOUS SUBTOTAL	\$5,355.36
		Project Subtotal	\$66,549.68
		15% Project Contingencies	\$9,982.45
		Opinion of Probable Construction Cost	\$76,532.13
		Force Account (10% of Subtotal)	\$7,853.21
		Engineering Design Services (15% of Subtotal)	\$11,479.82
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$95,665.16

Fairwood Avenue (Watkins Road to Koebel Road)		QUAD SE	PRIORITY (7/8)
General Estimating Data			
Street Classification	Arterial		
Priority Length (ft)	944		
Anticipated Sidewalk width	7		
Number of intersection quadrants	2	ea	
Number of alleys	0	ea	
Number of curb ramps	4	ea	
Number of driveways	9	ea	
Square feet of driveways (SQ FT)	900	sq ft	
Square feet of sidewalk (SQ FT)	6608	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP 2,500.00	\$2,500.00
EXCAVATION	203 244.74	CU YD 20.00	4,894.81
EMBANKMENT	203 34.95	CU YD 20.00	699.25
SUBGRADE COMPACTION	204 834.22	SQ YD 2.00	1,668.44
8" CONCRETE WALK	608 400	SQ FT 9.00	3,600.00
4" CONCRETE WALK	608 6208	SQ FT 6.00	37,248.00
CONCRETE DRIVEWAY APRONS	452 100	SQ YD 40.00	4,000.00
CURB RAMPS	608 4	EACH 700.00	2,800.00
NEW-DETECTABLE WARNING	5S1561 4	EACH 400.00	1,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF 200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF 60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 0	EACH 5,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP 0.00	0.00
		SIDEWALK SUBTOTAL	\$59,010.52
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM SEEDING AND MULCHING	207 944	LIN FT 2.50	2,360.00
	659 524.44	SQ YD 4.00	2,097.78
		EROSION CONTROL SUBTOTAL	\$4,457.78
MISCELLANEOUS			
MAINTAINING TRAFFIC	614 1	LUMP 2,452.20	2,452.20
FIELD OFFICE	619 1	LUMP 980.88	980.88
CONSTRUCTION LAYOUT STAKES	623 1	LUMP 980.88	980.88
MOBILIZATION	624 1	LUMP 1,471.32	1,471.32
		MISCELLANEOUS SUBTOTAL	\$5,885.28
		Project Subtotal	\$69,353.58
		15% Project Contingencies	\$10,403.075
		Opinion of Probable Construction Cost	\$79,756.62
		Force Account (10% of Subtotal)	\$7,975.66
		Engineering Design Services (15% of Subtotal)	\$11,963.49
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$99,695.78

Fairwood Avenue (Watkins Road to Koebel Road)		QUAD SE	PRIORITY (5/6)
General Estimating Data			
Street Classification	Arterial		
Priority Length (ft)	3009		
Anticipated Sidewalk width	7		
Number of intersection quadrants	5	ea	
Number of alleys	0	ea	
Number of curb ramps	10	ea	
Number of driveways	27	ea	
Square feet of driveways (SQ FT)	2700	sq ft	
Square feet of sidewalk (SQ FT)	21063	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201 1	LUMP 2,500.00	\$2,500.00
EXCAVATION	203 780.11	CU YD 20.00	15,602.22
EMBANKMENT	203 111.44	CU YD 20.00	2,228.89
SUBGRADE COMPACTION	204 2640.33	SQ YD 2.00	5,280.67
8" CONCRETE WALK	608 1000	SQ FT 9.00	9,000.00
4" CONCRETE WALK	608 20063	SQ FT 6.00	120,378.00
CONCRETE DRIVEWAY APRONS	452 300	SQ YD 40.00	12,000.00
CURB RAMPS	608 10	EACH 700.00	7,000.00
NEW-DETECTABLE WARNING	5S1561 10	EACH 400.00	4,000.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL 0	LF 200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL 0	LF 60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL 0	EACH 5,000.00	0.00
DRAINAGE ESTIMATE	SPECIAL 0	LUMP 0.00	0.00
		SIDEWALK SUBTOTAL	\$177,989.78
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM SEEDING AND MULCHING	207 3009	LIN FT 2.50	7,522.50
	659 1671.67	SQ YD 4.00	6,686.67
		EROSION CONTROL SUBTOTAL	\$14,209.17
MISCELLANEOUS			
MAINTAINING TRAFFIC	614 1	LUMP 7,816.40	7,816.40
FIELD OFFICE	619 1	LUMP 3,126.56	3,126.56
CONSTRUCTION LAYOUT STAKES	623 1	LUMP 3,126.56	3,126.56
MOBILIZATION	624 1	LUMP 4,689.84	4,689.84
		MISCELLANEOUS SUBTOTAL	\$18,759.33
		Project Subtotal	\$210,959.30
		15% Project Contingencies	\$31,643.7444
		Opinion of Probable Construction Cost	\$242,602.04
		Force Account (10% of Subtotal)	\$24,260.20
		Engineering Design Services (15% of Subtotal)	\$31,643.7444
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$303,252.58

OPERATION SAFEWALKS

Lockbourne Road from Groveport Road to SR 104



LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	DOS_Water_Dist_Net_Net_Junctions	Transformer
DOS_SewerManhole	Streetlight	Primary Overhead Conductor	Secondary Overhead Conductor



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY Quadrant: SE Project Length: 7-8 = 4,955'	PROJECT SUMMARY Quadrant: SE Project Length: 5-6 = 1,934'
R/W Acquisition: \$88,420 Utility Relocation: 0 Project Estimate: \$561,439	R/W Acquisition: \$11,435 Utility Relocation: 0 Project Estimate: \$215,395

Page 1 of 3
ME COMPANIES

Aerial Source:
Franklin County 2007

0 50 100 200 Feet

OPERATION SAFEWALKS

Lockbourne Road from Groveport Road to SR 104



LEGEND

- | | | |
|----------------------------------|----------------------------|-----------------|
| 0 | 5 to 6 | Railroad |
| 1 to 2 | 7 to 8 | Parcel Boundary |
| 3 to 4 | 9 to 10 | School |
| DOS_Water_Dist_Net_Net_Junctions | COTA Bus Stop (April 2007) | Transformer |
| DOS_SewerManhole | Streetlight | |
| Primary Overhead Conductor | | |
| Secondary Overhead Conductor | | |



City of Columbus
Public Service Department
Transportation Division

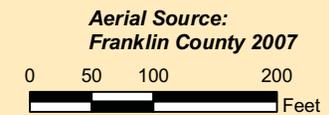
PROJECT SUMMARY
Quadrant: SE
Project Length: 7-8 = 4,955'

R/W Acquisition: \$88,420
Utility Relocation: 0
Project Estimate: \$561,439

PROJECT SUMMARY
Quadrant: SE
Project Length: 5-6 = 1,934'

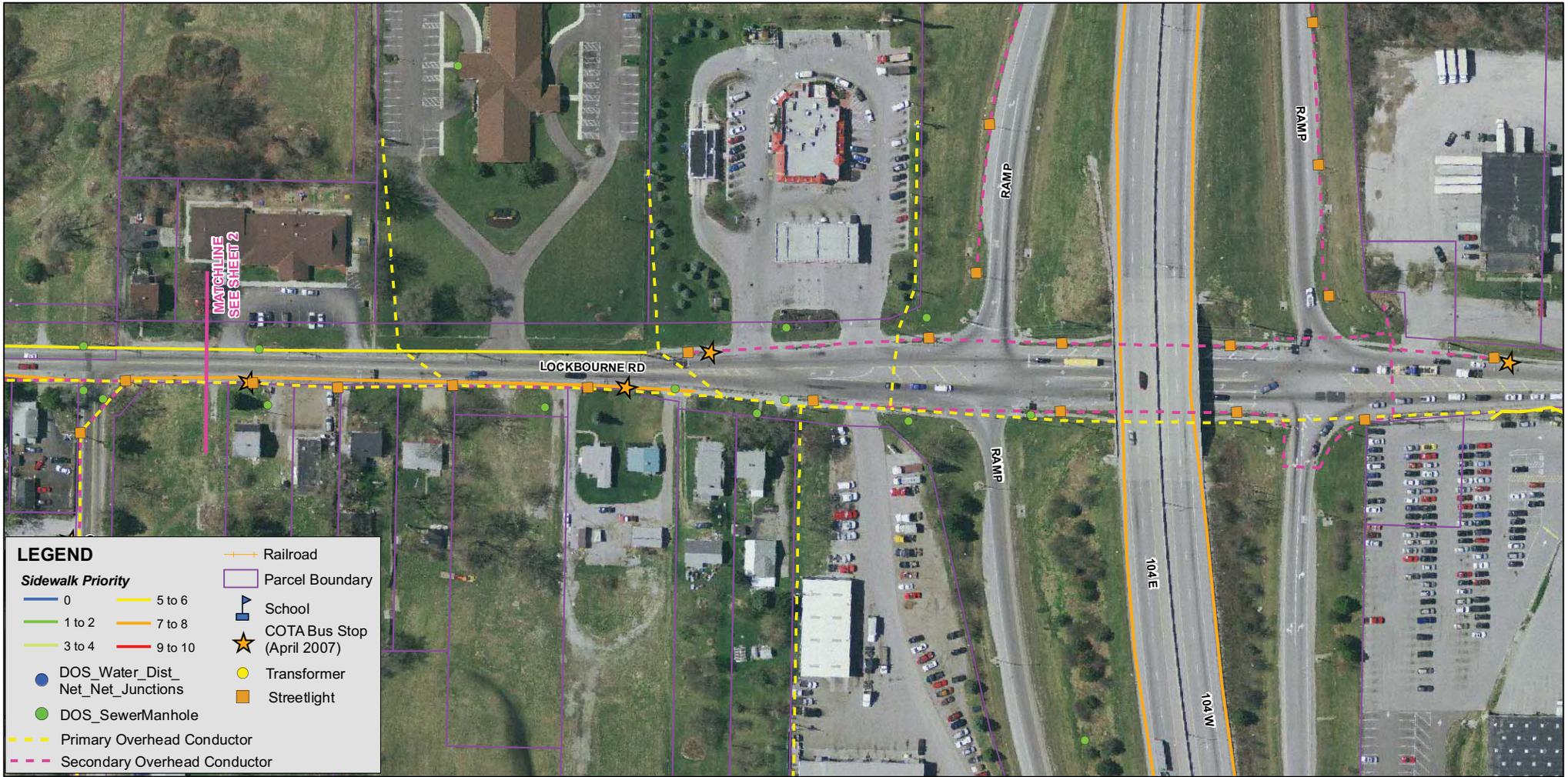
R/W Acquisition: \$11,435
Utility Relocation: 0
Project Estimate: \$215,395

Page 2 of 3



OPERATION SAFEWALKS

Lockbourne Road from Groveport Road to SR 104



LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▣ School
● DOS_Water_Dist_Net_Net_Junctions	★ COTA Bus Stop (April 2007)	● Transformer
● DOS_SewerManhole	■ Streetlight	
--- Primary Overhead Conductor		
--- Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY Quadrant: SE Project Length: 7-8 = 4,955'	PROJECT SUMMARY Quadrant: SE Project Length: 5-6 = 1,934'
R/W Acquisition: \$88,420 Utility Relocation: 0 Project Estimate: \$561,439	R/W Acquisition: \$11,435 Utility Relocation: 0 Project Estimate: \$215,395

Page 3 of 3
ME COMPANIES

Aerial Source:
Franklin County 2007

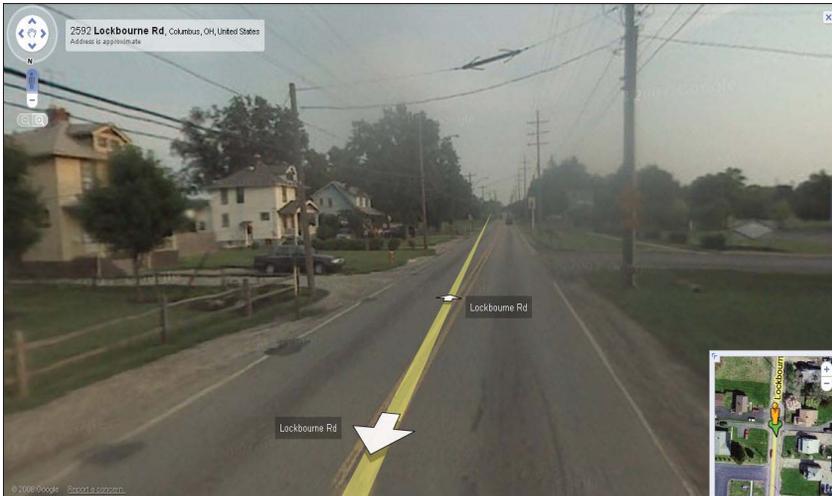
0 50 100 200 Feet



Picture is directed north approximately 550' north of Watkins Road. Non-curbed road – In this general limit of the project, R/W appears ample if allowable offset can be waived. Utility relocations not anticipated with proper design - drainage design will be needed - Recommend No to QTC.



Picture is directed north approximately 1650' north of Watkins Road. Non-curbed road – In this general limit of the project, R/W will be needed on east side. Utility relocations not anticipated with proper design - drainage design will be needed - Recommend No to QTC.



Picture is directed south approximately 2250' north of Watkins Road. Non-curbed road – In this general limit of the project, R/W will be needed on east side. Utility relocations not anticipated with proper design - drainage design will be needed - Recommend No to QTC.



Picture is directed north approximately 650' south of SR 104 eastbound off/on ramps. Non-curbed road – In this general limit of the project, R/W will be needed on east/west side. Utility relocations not anticipated with proper design - drainage design will be needed - Recommend No to QTC.



OPERATION SAFEWALKS - Lockbourne Road (Groveport Road to State Route 104)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SE	(7/8)	Lockbourne Road (Groveport Road to State Route 104)	Arterial (4-2)	4955	7	22'	Varies from 60' to 90'	Varies - 5' min RT & LT	Not w/o additional R/W	None apparent	1	0	0	15	\$88,420	None anticipated	\$0	\$378,416	\$561,439	No	Right of Way will be needed - drainage design will need considered - design should be able to clear utilities - Recommend NO to QTC.
SE	(5/6)	Lockbourne Road (Groveport Road to State Route 104)	Arterial (4-2)	1934	7	22'	Varies from 60' to 90'	Varies - 5' min RT & LT	Not w/o additional R/W	None apparent	1	0	0	1	\$11,435	None anticipated	\$0	\$163,168	\$215,395	No	Right of Way will be needed - drainage design will need considered - design should be able to clear utilities - Recommend NO to QTC.

Lockbourne Road (Groveport Road to State Route 104)					QUAD	PRIORITY
General Estimating Data					SE	(7/8)
Street Classification	Arterial (4-2)					
Priority Length (ft)	4955	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	9	ea				
Number of alleys	0	ea				
Number of curb ramps	18	ea				
Number of driveways	24	ea				
Square feet of driveways (SQ FT)	2400	sq ft				
square feet of sidewalk (SQ FT)	34055	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	SE	COST
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00		\$2,500.00
EXCAVATION	203	1284.63	CU. YD.	20.00		25,692.59
EMBANKMENT	203	183.52	CU. YD.	20.00		3,670.37
SUBGRADE COMPACTION	204	4120.56	SQ. YD.	2.00		8,241.11
8" CONCRETE WALK	608	1800	SQ. FT.	9.00		16,200.00
4" CONCRETE WALK	608	32895	SQ. FT.	6.00		197,310.00
CONCRETE DRIVEWAY APRONS	452	287	SQ. YD.	40.00		10,866.67
CURB RAMPS	608	18	EACH	700.00		12,800.00
NEW/DETECTABLE WARNING	SS1851	18	EACH	400.00		7,200.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00		0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00		0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00		0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00		0.00
SIDEWALK SUBTOTAL						\$284,080.74
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	4955	LIN. FT.	2.50		12,387.50
SEEDING AND MULCHING	659	2752.78	SQ. YD.	4.00		11,011.11
EROSION CONTROL SUBTOTAL						\$23,398.61
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	8,990.78		8,990.78
FIELD OFFICE	619	1	LUMP	3,596.31		3,596.31
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	3,596.31		3,596.31
MOBILIZATION	624	1	LUMP	5,394.47		5,394.47
MISCELLANEOUS SUBTOTAL						\$21,577.88
Project Subtotal						\$329,057.23
15% Project Contingencies						\$49,358.58
Opinion of Probable Construction Cost						\$378,415.81
Force Account (10% of Subtotal)						\$37,841.58
Engineering Design Services (15% of Subtotal)						\$56,762.37
Right of Way Acquisition						\$88,419.65
Utility Relocation						\$0.00
PROJECT ESTIMATE						\$561,439.42

Lockbourne Road (Groveport Road to State Route 104)					QUAD	PRIORITY
General Estimating Data					SE	(5/6)
Street Classification	Arterial (4-2)					
Priority Length (ft)	1934	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	6	ea				
Number of alleys	1	ea				
Number of curb ramps	14	ea				
Number of driveways	14	ea				
Square feet of driveways (SQ FT)	1400	sq ft				
square feet of sidewalk (SQ FT)	13538	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	SE	COST
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00		\$2,500.00
EXCAVATION	203	501.41	CU. YD.	20.00		10,028.15
EMBANKMENT	203	71.63	CU. YD.	20.00		1,432.59
SUBGRADE COMPACTION	204	1659.78	SQ. YD.	2.00		3,319.56
8" CONCRETE WALK	608	1400	SQ. FT.	9.00		12,800.00
4" CONCRETE WALK	608	12138	SQ. FT.	6.00		72,828.00
CONCRETE DRIVEWAY APRONS	452	156	SQ. YD.	40.00		6,222.22
CURB RAMPS	608	14	EACH	700.00		9,800.00
NEW/DETECTABLE WARNING	SS1851	14	EACH	400.00		5,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00		0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00		0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00		0.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00		0.00
SIDEWALK SUBTOTAL						\$124,330.52
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	1934	LIN. FT.	2.50		4,835.00
SEEDING AND MULCHING	659	1074.44	SQ. YD.	4.00		4,297.78
EROSION CONTROL SUBTOTAL						\$9,132.78
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	3,509.22		3,509.22
FIELD OFFICE	619	1	LUMP	1,403.89		1,403.89
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	1,403.89		1,403.89
MOBILIZATION	624	1	LUMP	2,108.53		2,108.53
MISCELLANEOUS SUBTOTAL						\$8,422.12
Project Subtotal						\$141,885.42
15% Project Contingencies						\$21,282.81
Opinion of Probable Construction Cost						\$163,168.23
Force Account (10% of Subtotal)						\$16,316.82
Engineering Design Services (15% of Subtotal)						\$24,475.23
Right of Way Acquisition						\$11,434.89
Utility Relocation						\$0.00
PROJECT ESTIMATE						\$215,395.15

OPERATION SAFEWALKS

Valleyview Drive from Wilson Road to Hague Avenue



LEGEND

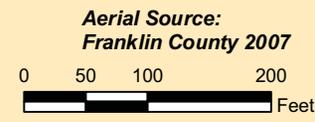
— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▢ School
● DOS_Water_Dist		★ COTA Bus Stop (April 2007)
● Net_Net_Junctions		● Transformer
● DOS_SewerManhole		■ Streetlight
--- Primary Overhead Conductor		
--- Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6: 2,283'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$163,839

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 3-4: 5,511'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$400,799



OPERATION SAFEWALKS

Valleyview Drive from Wilson Road to Hague Avenue



LEGEND

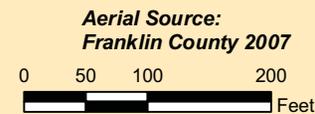
0	5 to 6	Railroad
1 to 2	7 to 8	Parcel Boundary
3 to 4	9 to 10	School
DOS_Water_Dist_Net_Net_Junctions	COTA Bus Stop (April 2007)	Transformer
DOS_SewerManhole	Streetlight	
Primary Overhead Conductor		
Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6: 2,283'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$163,839

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 3-4: 5,511'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$400,799



OPERATION SAFEWALKS

Valleyview Drive from Wilson Road to Hague Avenue



LEGEND

—+— Railroad	□ Parcel Boundary
Sidewalk Priority	▭ School
0 (Blue line)	★ COTA Bus Stop (April 2007)
1 to 2 (Green line)	● Transformer
3 to 4 (Yellow line)	■ Streetlight
5 to 6 (Orange line)	
7 to 8 (Red line)	
9 to 10 (Dark Red line)	
● DOS_Water_Dist_Net_Net_Junctions	
● DOS_SewerManhole	
--- Primary Overhead Conductor	
--- Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6: 2,283'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$163,839

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 3-4: 5,511'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$400,799

Page 3 of 3

Aerial Source:
Franklin County 2007



Picture is directed east approx 900' east of Wilson Rd. Non-curbed road – R/W appears ample if allowable offset can be waived - utility relocations not anticipated - Majority of both sides are clear and a walk could be installed after design provisions for ditches. Recommend trying to design walk on back slope of ditch.



Picture is directed east approx 100' west of Westmor Avenue. Non-curbed road – R/W appears ample if allowable offset can be waived - utility relocations not anticipated - suggested design tactic would be to construct sidewalk on the ditch back slope similar to the sidewalk on the north side of Valleyview Drive.



Picture is directed east approx 100' east of Wilson Rd. Curbed road exists and walk could be placed immediately adjacent with shift at select locations to avoid utilities.



Picture is directed east approx 150' west of Hague Avenue. Non-curbed road – R/W appears ample if allowable offset can be waived - utility relocations not anticipated.



OPERATION SAFEWALKS - Valleyview Drive (Wilson Road to Hague Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(5/6)	Valleyview Drive (Wilson Road to Hague Avenue)	Arterial (C)	2283	5	20' to 30' at intersections	Varies from 60' to 70'	Varies - 20 ft (L&R)	Majority of Project (Yes) with further design	None apparent	1 & 2	0	0	0	\$0	None anticipated	\$0	\$131,071	\$163,839	No	RW appears ample - Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for the ditches. Recommend trying to design sidewalk on back slope of ditch. Recommend NO to QTC because plans will be needed to maintain ditch drainage.
SW	(3/4)	Valleyview Drive (Wilson Road to Hague Avenue)	Arterial (C)	5511	5	20' to 30' at intersections	Varies from 60' to 70'	Varies - 20 ft (L&R)	Majority of Project (Yes) with further design	None apparent	1 & 2	0	0	0	\$0	None anticipated	\$0	\$320,639	\$400,799	No	RW appears ample - Majority of both sides are clear and a sidewalk could be installed after proper design provisions are considered for the ditches. Recommend trying to design sidewalk on back slope of ditch. Recommend NO to QTC because plans will be needed to maintain ditch drainage.

Valleyview Drive (Wilson Road to Hague Avenue)		QUAD SW	PRIORITY (5/6)
General Estimating Data			
Street Classification	Arterial (C)		
Priority Length (ft)	2283	if	
Anticipated Sidewalk width	5	if	
Number of intersection quadrants	3	ea	
Number of alleys	0	ea	
Number of curb ramps	6	ea	
Number of driveways	6	ea	
Square feet of driveways (SQ FT)	500	sq ft	
square feet of sidewalk (SQ FT)	11415	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1 & 2		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	422.78	CU YD. 20.00
EMBANKMENT	203	84.56	CU YD. 20.00
SUBGRADE COMPACTION	204	1323.89	SQ. YD. 2.00
8" CONCRETE WALK	608	800	SQ. FT. 9.00
4" CONCRETE WALK	608	10915	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	452	68	SQ. YD. 40.00
CURE RAMPS	608	6	BACH 700.00
NEW/DETECTABLE WARNING	SS1851	6	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00
		SIDEWALK SUBTOTAL	\$94,406.67
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2283	LIN. FT. 2.50
SEEDING AND MULCHING	659	1288.33	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$10,780.83
MISCELLANEOUS (PRORATED)			
MAINTAINING TRAFFIC	614	1	LUMP 3,661.47
FIELD OFFICE	619	1	LUMP 1,484.59
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 1,484.59
MOBILIZATION	624	1	LUMP 2,198.68
		MISCELLANEOUS SUBTOTAL	\$8,787.53
		Project Subtotal	\$113,975.03
		15% Project Contingencies	\$17,096.25
		Opinion of Probable Construction Cost	\$131,071.28
		Force Account (10% of Subtotal)	\$13,107.43
		Engineering Design Services (15% of Subtotal)	\$19,660.69
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$163,839.10

Valleyview Drive (Wilson Road to Hague Avenue)		QUAD SW	PRIORITY (3/4)
General Estimating Data			
Street Classification	Arterial (C)		
Priority Length (ft)	5511	if	
Anticipated Sidewalk width	5	if	
Number of intersection quadrants	7	ea	
Number of alleys	0	ea	
Number of curb ramps	14	ea	
Number of driveways	29	ea	
Square feet of driveways (SQ FT)	2900	sq ft	
square feet of sidewalk (SQ FT)	27555	sq ft	
retaining wall estimate greater than 4 ft in height	0	if	
retaining wall estimate less than 4 ft in height	0	if	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1 & 2		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	1020.56	CU YD. 20.00
EMBANKMENT	203	204.11	CU YD. 20.00
SUBGRADE COMPACTION	204	3383.89	SQ. YD. 2.00
8" CONCRETE WALK	608	1400	SQ. FT. 9.00
4" CONCRETE WALK	608	26155	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	452	322	SQ. YD. 40.00
CURE RAMPS	608	14	BACH 700.00
NEW/DETECTABLE WARNING	SS1851	14	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump 0.00
		SIDEWALK SUBTOTAL	\$231,580.00
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	5511	LIN. FT. 2.50
SEEDING AND MULCHING	659	3061.67	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$26,024.17
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 8,838.53
FIELD OFFICE	619	1	LUMP 3,535.41
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 3,535.41
MOBILIZATION	624	1	LUMP 5,303.12
		MISCELLANEOUS SUBTOTAL	\$21,212.47
		Project Subtotal	\$278,816.64
		15% Project Contingencies	\$41,822.50
		Opinion of Probable Construction Cost	\$320,639.13
		Force Account (10% of Subtotal)	\$32,063.91
		Engineering Design Services (15% of Subtotal)	\$46,095.87
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$400,798.92

OPERATION SAFEWALKS

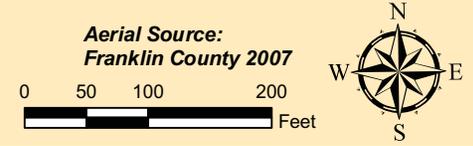
Mound Street from Brinker Road to Binns Boulevard



City of Columbus
Public Service Department
Transportation Division

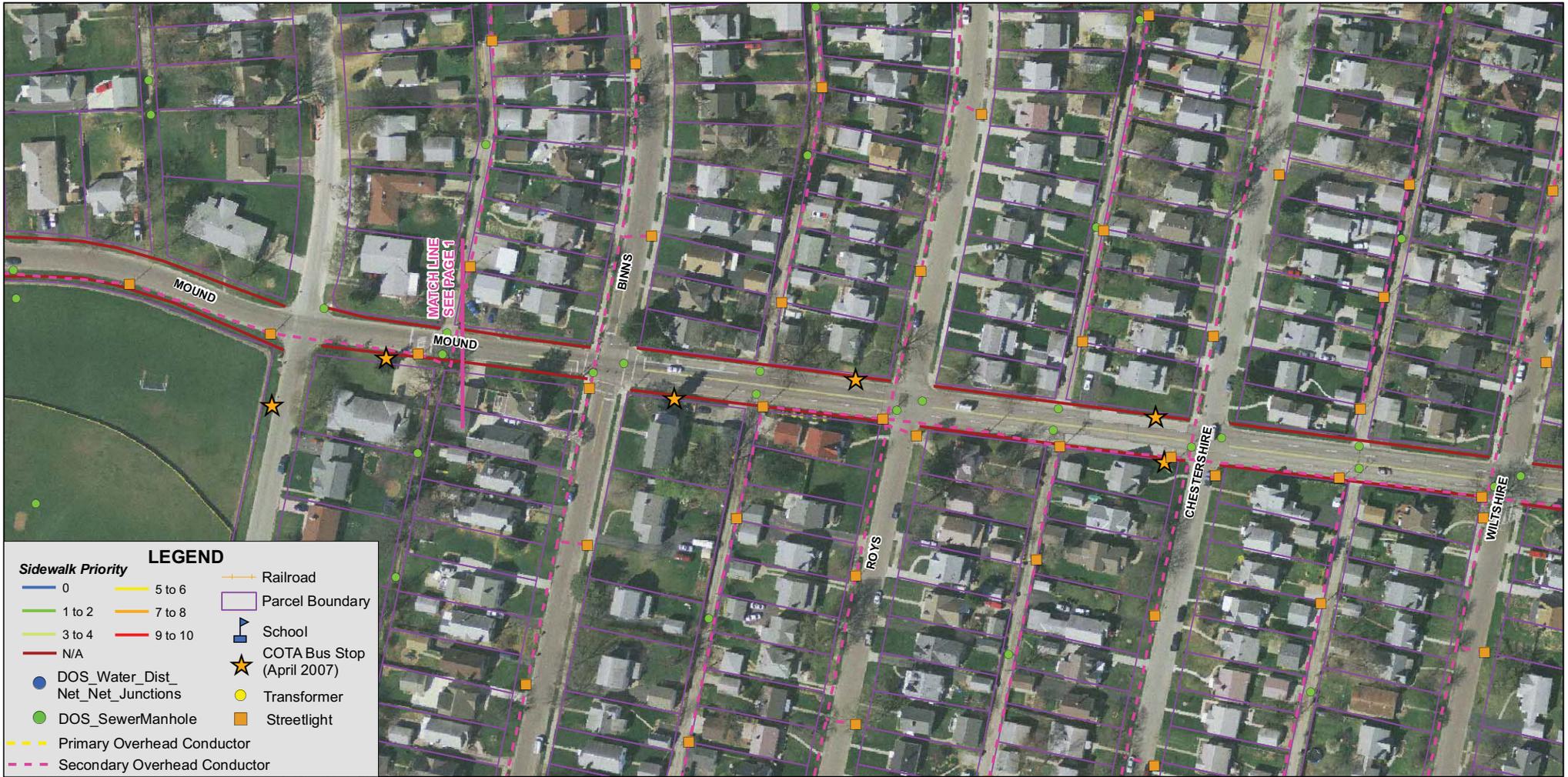
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 2,620'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$250,777

Page 1 of 2



OPERATION SAFEWALKS

Mound Street from Brinker Road to Binns Boulevard



LEGEND	
Sidewalk Priority	
0	5 to 6
1 to 2	7 to 8
3 to 4	9 to 10
N/A	
DOS_Water_Dist	Railroad
Net_Net_Junctions	Parcel Boundary
DOS_SewerManhole	School
Primary Overhead Conductor	COTA Bus Stop (April 2007)
Secondary Overhead Conductor	Transformer
	Streetlight



City of Columbus
Public Service Department
Transportation Division

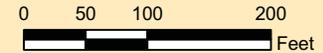
PROJECT SUMMARY
Quadrant: SW
Project Length: 2,620'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$250,777

Page 2 of 2



Aerial Source:
Franklin County 2007





Picture is directed east approximately 50' east of Brinker Road. Walk could be placed similar to south side walk, or immediately next to curb. R/W appears ample - recommend Yes to QTC.



Picture is directed east at Westgate Ave. Walk could be placed immediately next to curb, or offset to provide a buffer. R/W appears ample - recommend Yes to QTC.



Picture is directed east at Crescent Rd. Walk could be placed immediately next to curb, or offset to provide a buffer. R/W appears ample - recommend Yes to QTC.



Picture is directed east just east of Salisbury Rd. Walk could be placed immediately next to curb, or offset to provide a buffer. R/W appears ample - recommend Yes to QTC.



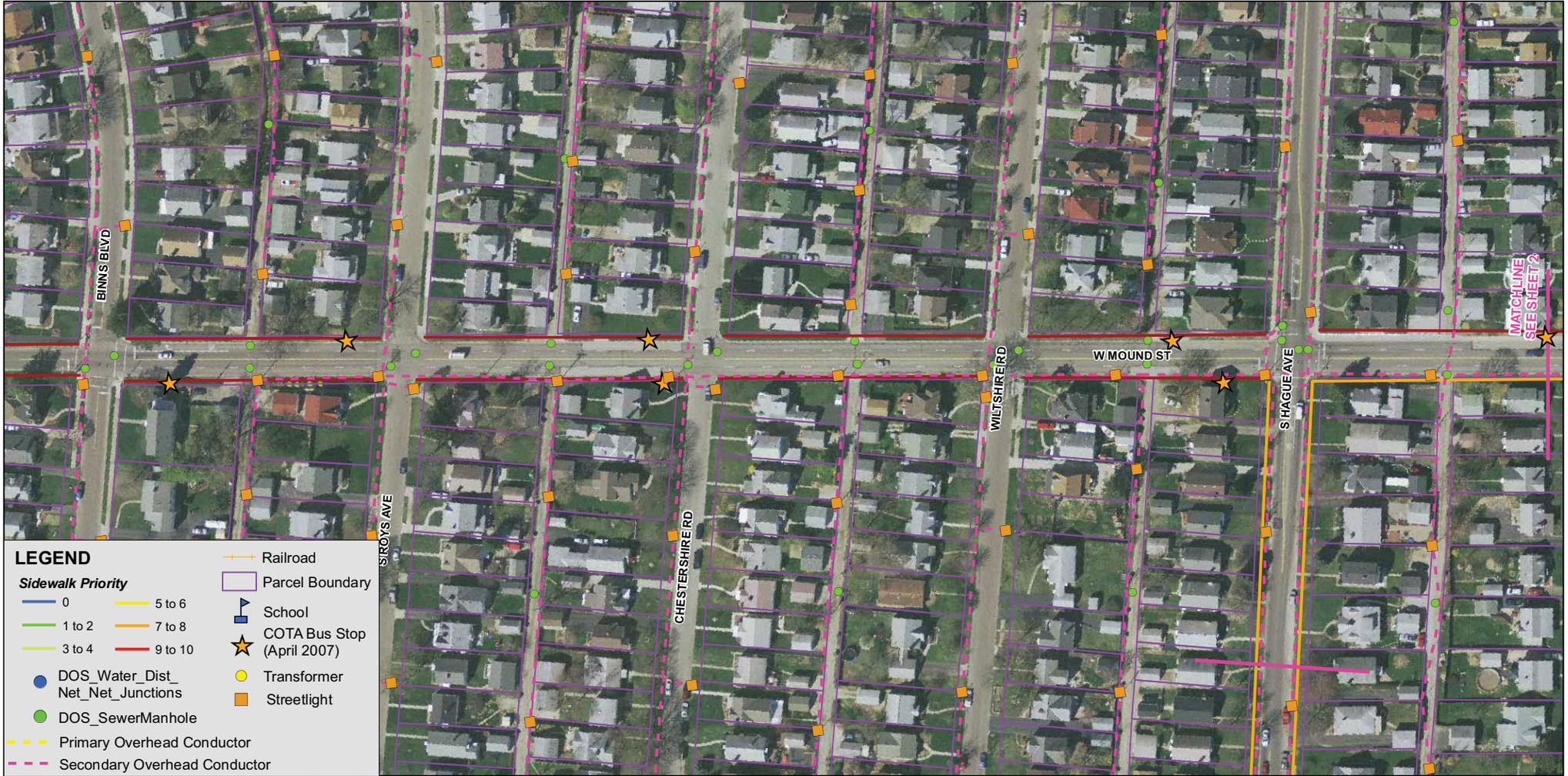
OPERATION SAFEWALKS - Mound Street (Brinker Road to Binns Boulevard)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	N/A	Mound Street (Brinker Road to Binns Boulevard)	Minor - Urban Collector	2620	5	26'	50'	12' (L & R)	curbed section - N/A	None apparent	4	0	0	0	\$0	None anticipated	\$0	\$203,812	\$250,777	Yes	Curbed road - Right of Way appears ample - minimal drainage issues - utilities relocations not anticipated - Recommend Yes to QTC.

Mound Street (Brinker Road to Binns Boulevard)		QUAD	PRIORITY	
		SW	N/A	
General Estimating Data				
Street Classification	Minor - Urban Collector			
Priority Length (ft)	2620	if		
Anticipated Sidewalk width	5	if		
Number of intersection quadrants	10	ea		
Number of alleys	2	ea		
Number of curb ramps	24	ea		
Number of driveways	12	ea		
Square feet of driveways (SQ FT)	1200	sq ft		
square feet of sidewalk (SQ FT)	13100	sq ft		
retaining wall estimate greater than 4 ft in height	0	if		
retaining wall estimate less than 4 ft in height	0	if		
Estimate of signal upgrades	0	ea		
Quick to Construct Recommendation	Yes			
Proposed sidewalk typical (see exhibit 3)	4			
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST	COBT
MAJOR SIDEWALK ITEMS				
CLEARING AND GRUBBING	201	1	LUMP	\$2,500.00
EXCAVATION	203	485.19	CU. YD.	9,703.70
EMBANKMENT	203	97.04	CU. YD.	1,940.74
SUBGRADE COMPACTION	204	1568.89	SQ. YD.	3,177.78
8" CONCRETE WALK	608	2400	SQ. FT.	21,600.00
4" CONCRETE WALK	608	10700	SQ. FT.	64,200.00
CONCRETE DRIVEWAY APRONS	452	153	SQ. YD.	5,333.33
CURB RAMPS	608	24	EACH	16,800.00
NEW-DETECTABLE WARNING	SS1551	24	EACH	9,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT.	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT.	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00
SIDEWALK SUBTOTAL				\$134,855.56
EROSION CONTROL				
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	2620	LIN. FT.	6,550.00
SEEDING AND MULCHING	669	1456.56	SQ. YD.	5,822.22
EROSION CONTROL SUBTOTAL				\$12,372.22
MISCELLANEOUS				
MAINTAINING TRAFFIC	614	1	LUMP	12,500.00
FIELD OFFICE	619	1	LUMP	5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	5,000.00
MOBILIZATION	624	1	LUMP	7,500.00
MISCELLANEOUS SUBTOTAL				\$30,000.00
Project Subtotal				\$177,227.78
15% Project Contingencies				\$26,584.17
Opinion of Probable Construction Cost				\$203,811.94
Engineering Design Services (15% of Subtotal)				\$26,584.17
Force Account (10% of Subtotal)				\$20,381.19
Right of Way Acquisition				\$0.00
Utility Relocation				\$0.00
PROJECT ESTIMATE				\$250,777.31

OPERATION SAFEWALKS

Mound Street from Binns Boulevard to Wayne Avenue



LEGEND

0	5 to 6	Railroad
1 to 2	7 to 8	Parcel Boundary
3 to 4	9 to 10	School
DOS_Water_Dist	COTA Bus Stop (April 2007)	Transformer
DOS_SewerManhole	Streetlight	
Primary Overhead Conductor		
Secondary Overhead Conductor		

MATCHLINE SEE SHEET 2



MAYOR MIKE COLEMAN
OPERATION SAFE WALKS

City of Columbus
 Public Service Department
 Transportation Division

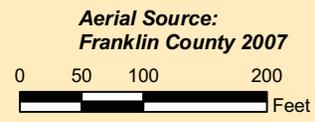
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 6,658'

R/W Acquisition: \$277,835
 Utility Relocation: 0
 Project Estimate: \$1,139,539

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 512'

R/W Acquisition: \$29,215
 Utility Relocation: 0
 Project Estimate: \$145,645

Page 1 of 3

OPERATION SAFEWALKS

Mound Street from Binns Boulevard to Wayne Avenue



LEGEND

<p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 (Blue line) 1 to 2 (Green line) 3 to 4 (Yellow line) 5 to 6 (Light Green line) 7 to 8 (Orange line) 9 to 10 (Red line) <ul style="list-style-type: none"> DOS_Water_Dist_Net_Net_Junctions (Blue circle) DOS_SewerManhole (Green circle) Primary Overhead Conductor (Yellow dashed line) Secondary Overhead Conductor (Pink dashed line) 	<ul style="list-style-type: none"> Railroad (Orange line with cross-ticks) Parcel Boundary (Purple dashed line) School (Blue house icon) COTA Bus Stop (April 2007) (Yellow star) Transformer (Yellow circle) Streetlight (Orange square)
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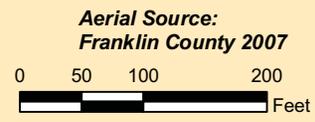


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 6,658'
 R/W Acquisition: \$277,835
 Utility Relocation: 0
 Project Estimate: \$1,139,539

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 512'
 R/W Acquisition: \$29,215
 Utility Relocation: 0
 Project Estimate: \$145,645

Page 2 of 3



OPERATION SAFEWALKS

Mound Street from Binns Boulevard to Wayne Avenue



LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▢ School
● DOS_Water_Dist	★ COTA Bus Stop (April 2007)	★ Transformer
● Net_Net_Junctions	■ Streetlight	
● DOS_SewerManhole		
--- Primary Overhead Conductor		
--- Secondary Overhead Conductor		

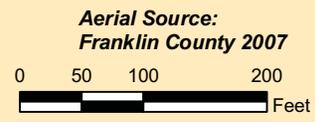


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 6,658'
 R/W Acquisition: \$277,835
 Utility Relocation: 0
 Project Estimate: \$1,139,539

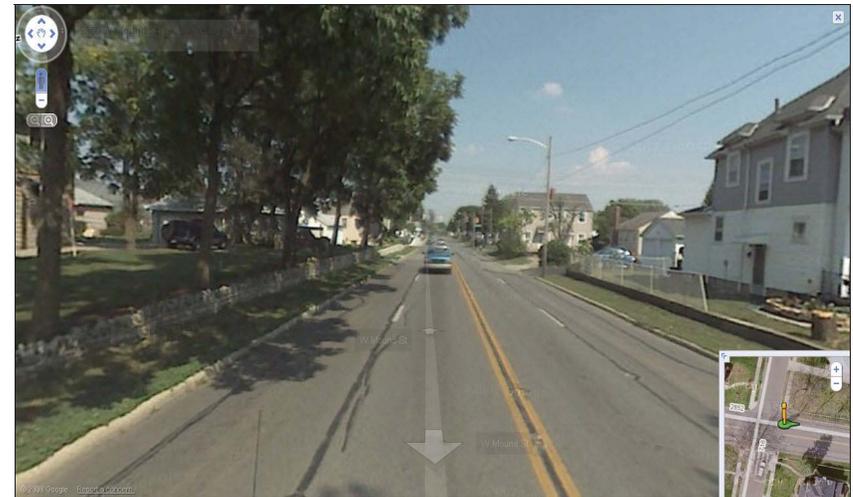
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 512'
 R/W Acquisition: \$29,215
 Utility Relocation: 0
 Project Estimate: \$145,645

Page 3 of 3





Picture is directed east just east of Binns Blvd. Walk would need to be immediately next to curb and at select location use reduced width to avoid R/W and/or walls. R/W will be needed. Recommend no to QTC. This particular project limit is part of the Mound Street Design Study prepared by the City of Columbus.



Picture is directed east just east of Wiltshire Road. Walk would need to be immediately next to curb. R/W will be needed. Recommend no to QTC. This particular project limit is part of the Mound Street Design Study prepared by the City of Columbus.



Picture is directed east just west of Racine Avenue. Walk would need to be immediately next to curb and at select location use reduced width to avoid R/W and/or walls. R/W will be needed. Recommend no to QTC. This particular project limit is part of the Mound Street Design Study prepared by the City of Columbus.



Picture is directed east just west of Eureka Avenue. Walk would need to be immediately next to curb and at select location use reduced width to avoid R/W and/or walls. Signal upgrade for pedestrian purposes needed at Wayne Avenue. This project limit is part of the Mound Street Design Study by City of Columbus.



OPERATION SAFEWALKS - Mound Street (Binns Boulevard to Wayne Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(7/8)	Mound Street (Binns Boulevard to Wayne Avenue)	Arterial (4-2)	6658	7	36'	50'	7' (L&R)	curbed section - N/A	None apparent	2	0	0	48	\$277,835	None anticipated	\$0	\$689,363	\$1,139,539	No	Estimate assumes future Mound Street road improvements as defined by the City of Columbus Mound Street Design Study are not constructed. Existing R/W currently is not wide enough to add 7' wide sidewalk - Recommend NO to QTC.
SW	(5/6)	Mound Street (Binns Boulevard to Wayne Avenue)	Arterial (4-2)	512	7	36'	50'	7' (L&R)	curbed section - N/A	None apparent	2	0	0	6	\$29,215	None anticipated	\$0	\$93,144	\$145,645	No	Estimate assumes future Mound Street road improvements as defined by the City of Columbus Mound Street Design Study are not constructed. Existing R/W currently is not wide enough to add 7' wide sidewalk - Recommend NO to QTC.

Mound Street (Binns Boulevard to Wayne Avenue)		QUAD SW	PRIORITY (7/8)		
General Estimating Data					
Street Classification	Arterial (4-2)				
Priority Length (ft)	6658	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	45	ea			
Number of alleys	24	ea			
Number of curb ramps	138	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	46006	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	1	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	2				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	1726.15	CU. YD.	20.00	34,522.96
EMBANKMENT	203	246.59	CU. YD.	20.00	4,931.85
SUBGRADE COMPACTION	204	5178.44	SQ. YD.	2.00	10,356.89
8" CONCRETE WALK	608	13800	SQ. FT.	9.00	124,200.00
4" CONCRETE WALK	608	32906	SQ. FT.	6.00	196,836.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00
CURE RAMPS	608	138	BACH	700.00	96,600.00
NEW/DETECTABLE WARNING	SS1851	138	EACH	400.00	55,200.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	1	EACH	15,000.00	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00
				SIDEWALK SUBTOTAL	\$540,147.70
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	6658	LIN. FT.	2.50	16,645.00
SEEDING AND MULCHING	659	3698.89	SQ. YD.	4.00	14,795.56
				EROSION CONTROL SUBTOTAL	\$31,440.56
MISCELLANEOUS (PRORATED)					
MAINTAINING TRAFFIC	614	1	LUMP	11,807.39	11,807.39
FIELD OFFICE	619	1	LUMP	4,642.96	4,642.96
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	4,642.96	4,642.96
MOBILIZATION	624	1	LUMP	6,964.44	6,964.44
				MISCELLANEOUS SUBTOTAL	\$27,857.74
				Project Subtotal	\$599,446.00
				15% Project Contingencies	\$89,916.90
				Opinion of Probable Construction Cost	\$689,362.90
				Force Account (10% of Subtotal)	\$68,936.29
				Engineering Design Services (15% of Subtotal)	\$103,404.43
				Right of Way Acquisition	\$277,834.99
				Utility Relocation	\$0.00
				PROJECT ESTIMATE	\$1,139,539.61

Mound Street (Binns Boulevard to Wayne Avenue)		QUAD SW	PRIORITY (5/6)		
General Estimating Data					
Street Classification	Arterial (4-2)				
Priority Length (ft)	512	if			
Anticipated Sidewalk width	7	if			
Number of intersection quadrants	3	ea			
Number of alleys	9	ea			
Number of curb ramps	24	ea			
Number of driveways	0	ea			
Square feet of driveways (SQ FT)	0	sq ft			
square feet of sidewalk (SQ FT)	3584	sq ft			
retaining wall estimate greater than 4 ft in height	0	if			
retaining wall estimate less than 4 ft in height	0	if			
Estimate of signal upgrades	1	ea			
Quick to Construct Recommendation	No				
Proposed sidewalk typical (see exhibit 3)	2				
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST
MAJOR SIDEWALK ITEMS					
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00
EXCAVATION	203	132.74	CU. YD.	20.00	2,654.81
EMBANKMENT	203	18.86	CU. YD.	20.00	379.26
SUBGRADE COMPACTION	204	398.22	SQ. YD.	2.00	796.44
8" CONCRETE WALK	608	2400	SQ. FT.	9.00	21,600.00
4" CONCRETE WALK	608	1184	SQ. FT.	6.00	7,104.00
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00
CURE RAMPS	608	24	BACH	700.00	16,800.00
NEW/DETECTABLE WARNING	SS1851	24	EACH	400.00	9,600.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	1	EACH	15,000.00	15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00
				SIDEWALK SUBTOTAL	\$76,434.52
EROSION CONTROL					
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	512	LIN. FT.	2.50	1,280.00
SEEDING AND MULCHING	659	284.44	SQ. YD.	4.00	1,137.78
				EROSION CONTROL SUBTOTAL	\$2,417.78
MISCELLANEOUS					
MAINTAINING TRAFFIC	614	1	LUMP	892.61	892.61
FIELD OFFICE	619	1	LUMP	357.04	357.04
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	357.04	357.04
MOBILIZATION	624	1	LUMP	535.56	535.56
				MISCELLANEOUS SUBTOTAL	\$2,142.26
				Project Subtotal	\$80,994.56
				15% Project Contingencies	\$12,149.18
				Opinion of Probable Construction Cost	\$93,143.74
				Force Account (10% of Subtotal)	\$9,314.37
				Engineering Design Services (15% of Subtotal)	\$13,971.56
				Right of Way Acquisition	\$29,215.43
				Utility Relocation	\$0.00
				PROJECT ESTIMATE	\$145,645.10

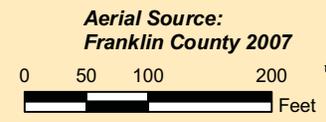
OPERATION SAFEWALKS

Hague Avenue from Briggs Road to Mound Street



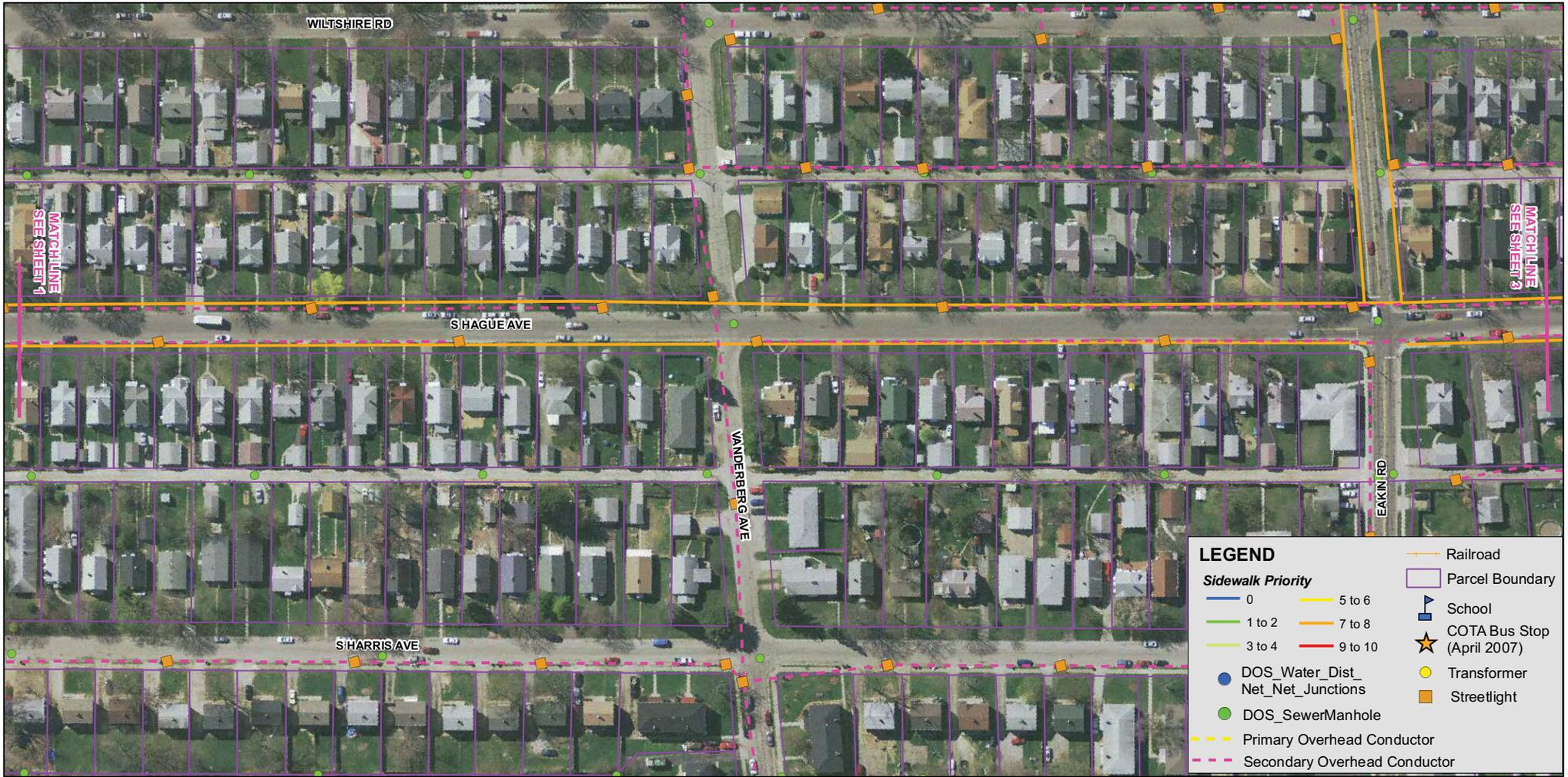
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8: 6,045'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$503,383



OPERATION SAFEWALKS

Hague Avenue from Briggs Road to Mound Street



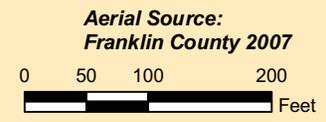
LEGEND

0	5 to 6	Railroad	Parcel Boundary
1 to 2	7 to 8	School	COTA Bus Stop (April 2007)
3 to 4	9 to 10	Transformer	Streetlight
DOS_Water_Dist_Net_Net_Junctions		DOS_SewerManhole	
Primary Overhead Conductor			
Secondary Overhead Conductor			



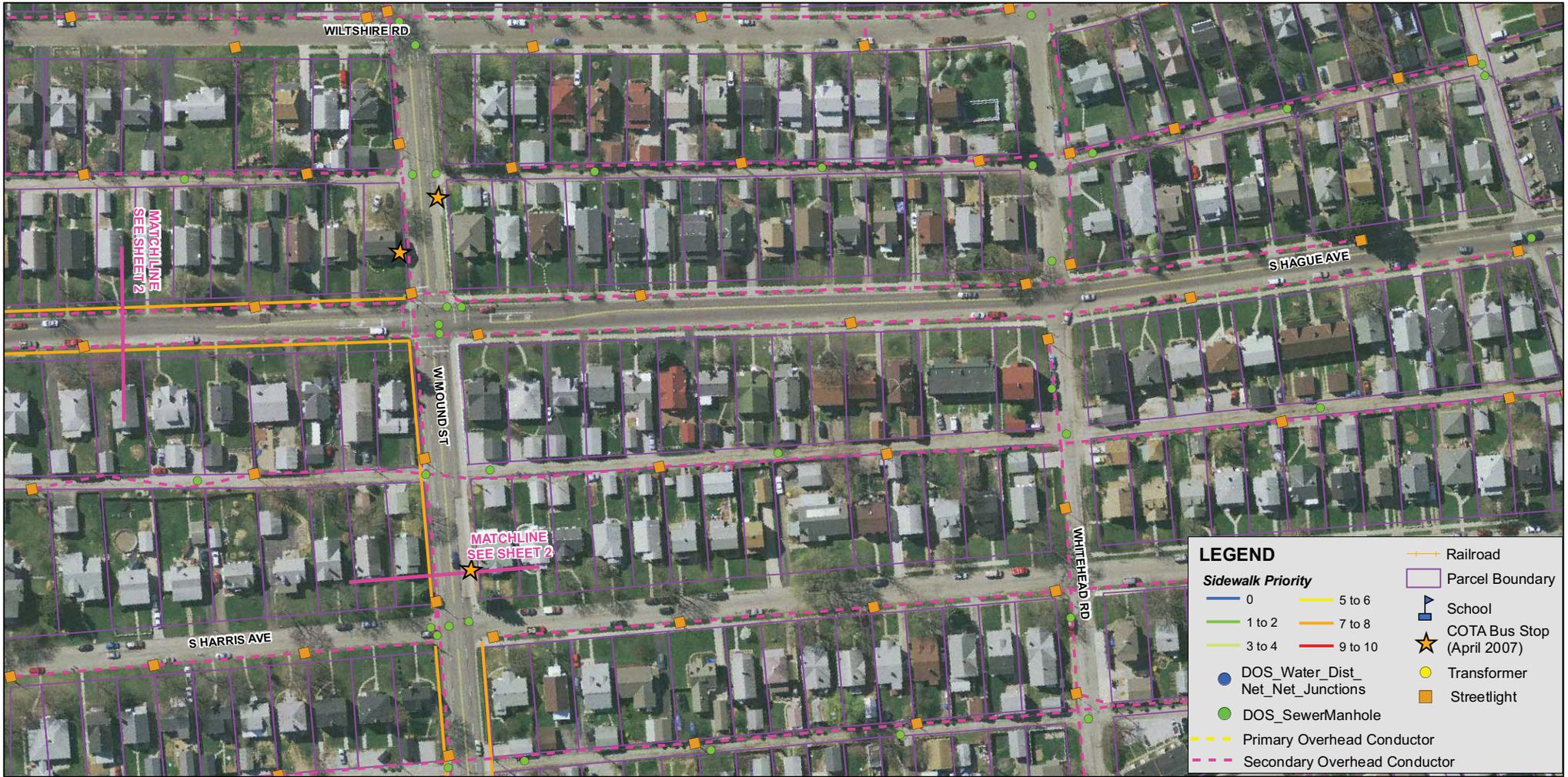
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8: 6,045'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$503,383



OPERATION SAFEWALKS

Hague Avenue from Briggs Road to Mound Street



LEGEND

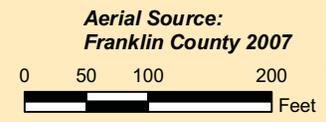
Sidewalk Priority 0	Sidewalk Priority 5 to 6	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 7 to 8	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 9 to 10	Transformer	Streetlight
DOS_Water_Dist			
Net_Net_Junctions			
DOS_SewerManhole			
Primary Overhead Conductor			
Secondary Overhead Conductor			



City of Columbus
Public Service Department
Transportation Division

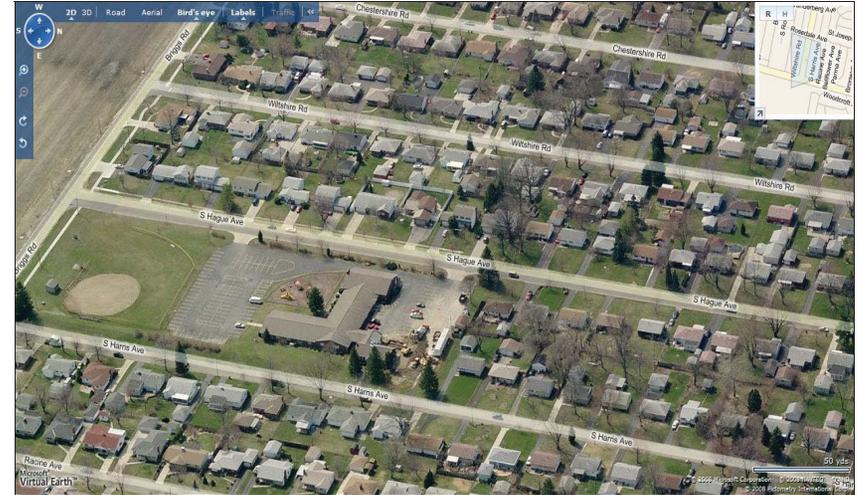
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8: 6,045'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$503,383

Page 3 of 3

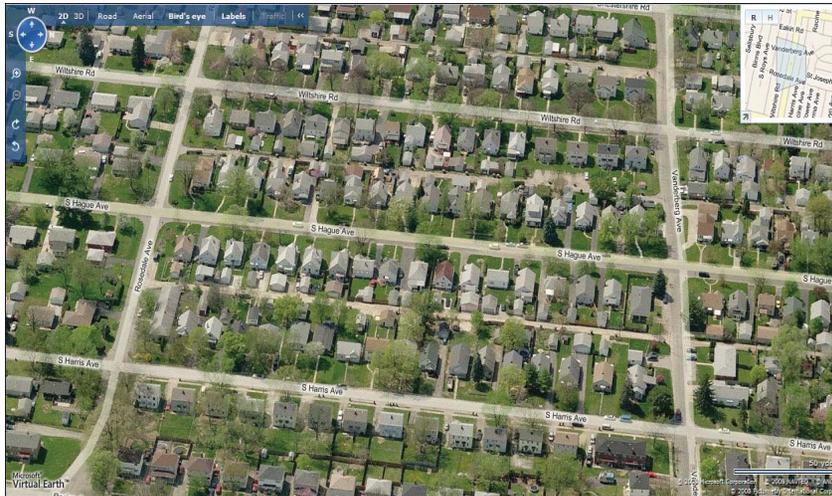




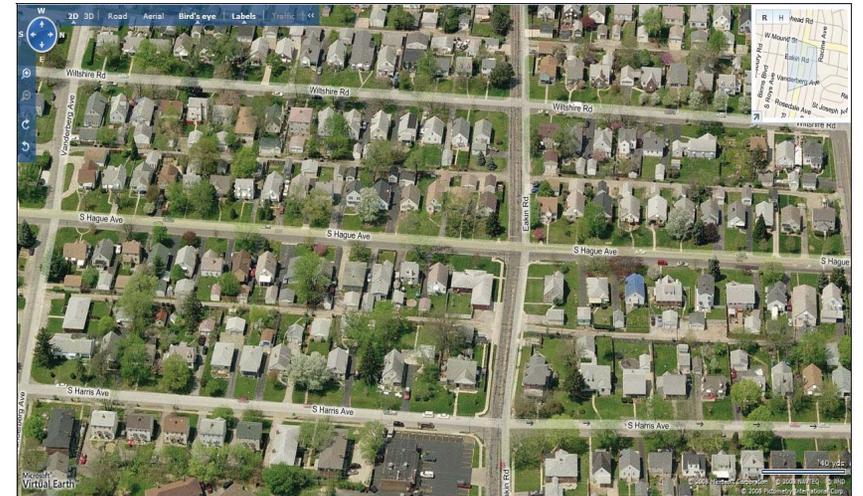
Picture shows a general representation of Hague Avenue within the project limits. Right of way appears ample to construct a sidewalk (both sides) – walk could be place next to curb, or with offset to provide buffer – existing trees within R/W may need removed – QTC appears possible.



Aerial photo near Briggs Road – initial segment of project limits.



Aerial photo – middle segment of project limits.



Aerial photo – final segment of project limits.



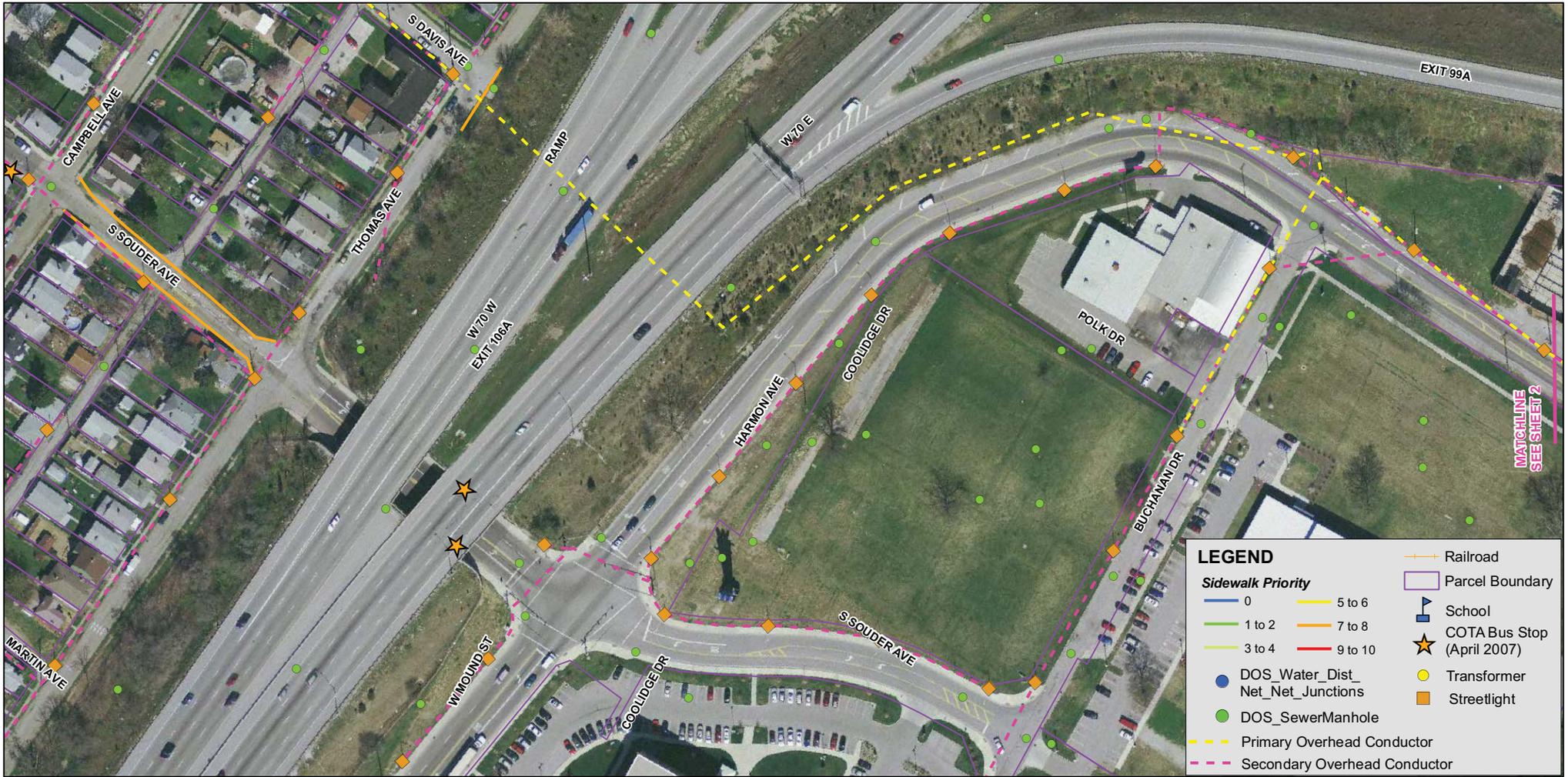
OPERATION SAFEWALKS - Hague Avenue (Briggs Road to Mound Street)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(7/8)	Hague Avenue (Briggs Road to Mound Street)	Arterial (4-2)	6045	5	30	80' from Briggs to Rosedale, 60' from Rosedale to Mound	Varies from 25' (L & R) to 15' (L & R)	curbed section - N/A	None apparent	4	0	0	0	\$0	pole line exists, but relocation not anticipated	\$0	\$402,706	\$503,383	Yes	Right of Way appears ample - minimal drainage issues - utility relocations not anticipated - QTC recommended

Hague Avenue (Briggs Road to Mound Street)		QUAD	PRIORITY
		SW	(7/8)
General Estimating Data			
Street Classification	Arterial (4-2)		
Priority Length (ft)	6045	lf	
Anticipated Sidewalk width	5	lf	
Number of intersection quadrants	15	ea	
Number of alleys	0	ea	
Number of curb ramps	30	ea	
Number of driveways	69	ea	
Square feet of driveways (SQ FT)	6900	sq ft	
square feet of sidewalk (SQ FT)	30225	sq ft	
retaining wall estimate greater than 4 ft in height	0	lf	
retaining wall estimate less than 4 ft in height	0	lf	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	Yes		
Proposed sidewalk typical (see exhibit 3)	4		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00
EXCAVATION	203	1119.44	CU. YD. 20.00
EMBANKMENT	203	223.89	CU. YD. 20.00
SUBGRADE COMPACTION	204	4125.00	SQ. YD. 2.00
6" CONCRETE WALK	608	3000	SQ. FT. 9.00
4" CONCRETE WALK	608	27225	SQ. FT. 6.00
CONCRETE DRIVEWAY APRONS	452	767	SQ. YD. 40.00
CURB RAMPS	608	30	EACH 700.00
NEW-DETECTABLE WARNING	SS1551	30	EACH 400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 200.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 60.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00
		SIDEWALK SUBTOTAL	\$291,633.33
EROSION CONTROL			
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	6045	LIN. FT. 2.50
SEEDING AND MULCHING	669	3358.33	SQ. YD. 4.00
		EROSION CONTROL SUBTOTAL	\$28,545.83
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$350,179.17
		15% Project Contingencies	\$52,526.88
		Opinion of Probable Construction Cost	\$402,706.04
		Force Account (10% of Subtotal)	\$40,270.60
		Engineering Design Services (15% of Subtotal)	\$60,405.91
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$503,382.55

OPERATION SAFEWALKS

Souder Avenue from Campbell Avenue to Thomas Avenue & Harmon Avenue from Mound Street to Greenlawn Avenue



LEGEND

Sidewalk Priority 0	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Railroad	Parcel Boundary
Sidewalk Priority 1 to 2	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	School	COTA Bus Stop (April 2007)
Sidewalk Priority 3 to 4	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	DOS_Water_Dist	Transformer
Sidewalk Priority 1 to 2	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Net_Net_Junctions	Streetlight
Sidewalk Priority 1 to 2	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	DOS_SewerManhole	Primary Overhead Conductor
Sidewalk Priority 1 to 2	Sidewalk Priority 5 to 6	Sidewalk Priority 7 to 8	Sidewalk Priority 9 to 10	Secondary Overhead Conductor	



City of Columbus
Public Service Department
Transportation Division

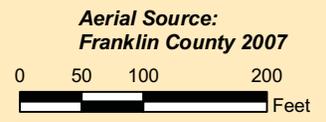
PROJECT SUMMARY
Quadrant: SW
Project Length: 7-8 = 4,164'

R/W Acquisition: \$142,505
Utility Relocation: 0
Project Estimate: \$585,741

PROJECT SUMMARY
Quadrant: SW
Project Length: 5-6 = 395'

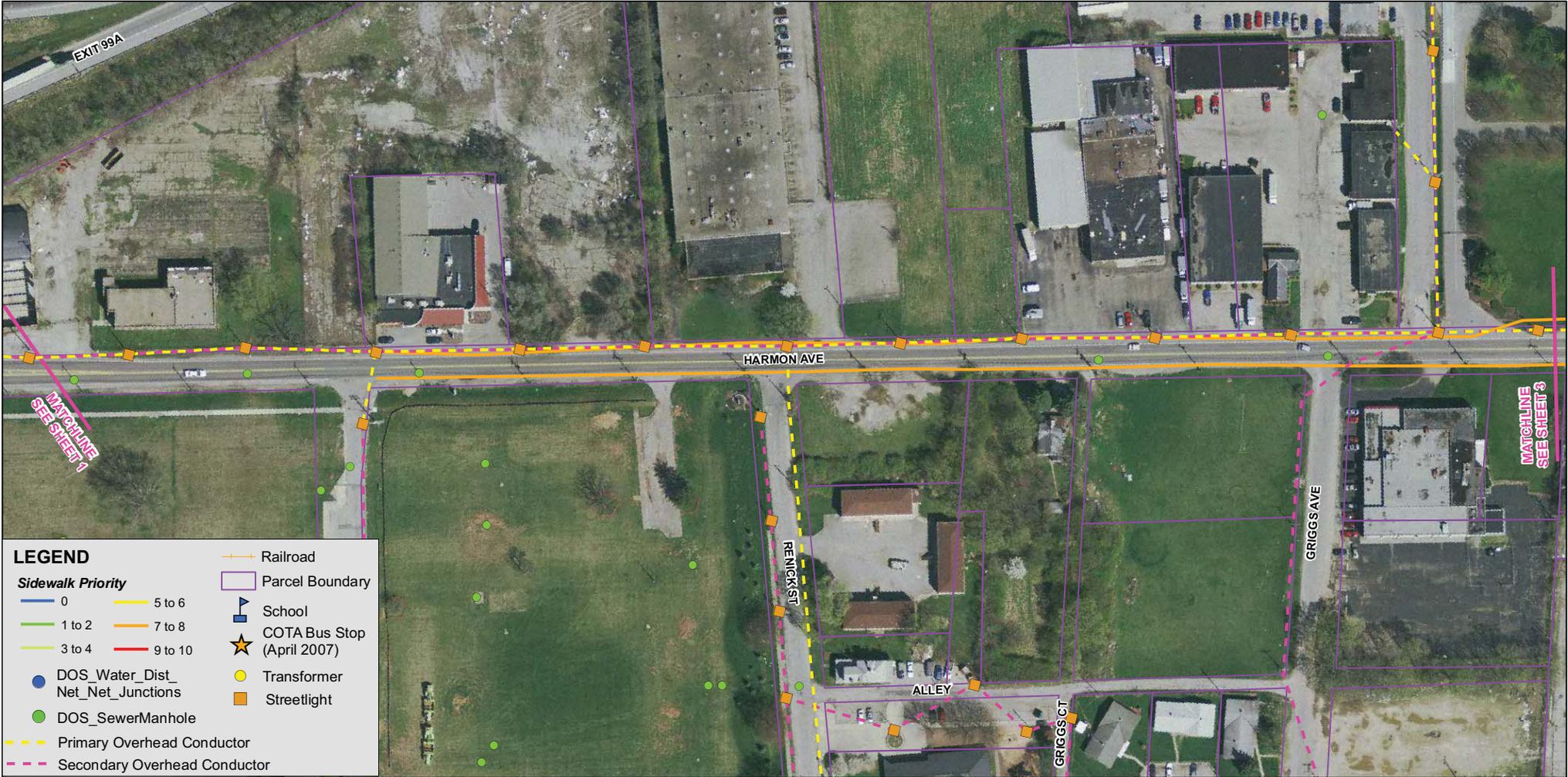
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$55,549

Page 1 of 4
ME COMPANIES



OPERATION SAFEWALKS

Souder Avenue from Campbell Avenue to Thomas Avenue & Harmon Avenue from Mound Street to Greenlawn Avenue



LEGEND

- | | |
|--|--|
| <p>Sidewalk Priority</p> <ul style="list-style-type: none"> 0 (Blue line) 1 to 2 (Green line) 3 to 4 (Yellow line) 5 to 6 (Orange line) 7 to 8 (Red line) 9 to 10 (Pink line) | <ul style="list-style-type: none"> Railroad (Orange line with cross-ticks) Parcel Boundary (Purple outline) School (Blue house icon) COTA Bus Stop (April 2007) (Yellow star) Transformer (Yellow circle) Streetlight (Orange square) DOS_Water_Dist_Net_Net_Junctions (Blue circle) DOS_SewerManhole (Green circle) Primary Overhead Conductor (Yellow dashed line) Secondary Overhead Conductor (Pink dashed line) |
|--|--|

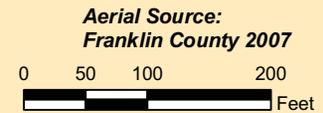


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 4,164'
 R/W Acquisition: \$142,505
 Utility Relocation: 0
 Project Estimate: \$585,741

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 395'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$55,549

Page 2 of 4



OPERATION SAFEWALKS

Souder Avenue from Campbell Avenue to Thomas Avenue & Harmon Avenue from Mound Street to Greenlawn Avenue



LEGEND

Sidewalk Priority

- 0
- 1 to 2
- 3 to 4
- DOS_Water_Dist
- Net_Net_Junctions
- DOS_SewerManhole

- 5 to 6
- 7 to 8
- 9 to 10
- Transformer
- Streetlight

- Railroad
- Parcel Boundary
- School
- COTA Bus Stop (April 2007)
- Primary Overhead Conductor
- Secondary Overhead Conductor

City of Columbus
Public Service Department
Transportation Division

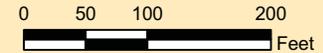
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 4,164'
 R/W Acquisition: \$142,505
 Utility Relocation: 0
 Project Estimate: \$585,741

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 395'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$55,549

Page 3 of 4

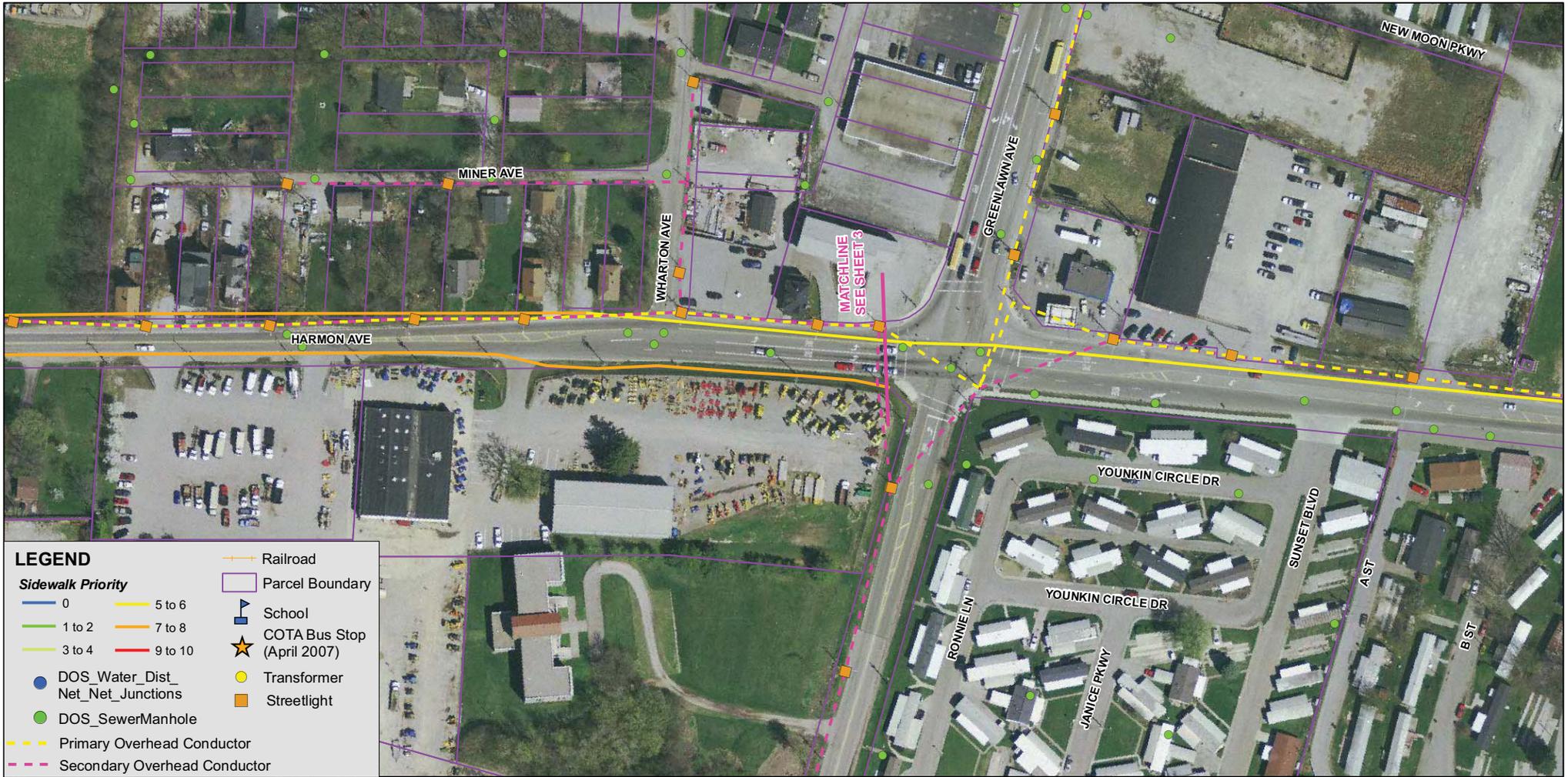


Aerial Source:
Franklin County 2007



OPERATION SAFEWALKS

Souder Avenue from Campbell Avenue to Thomas Avenue & Harmon Avenue from Mound Street to Greenlawn Avenue



LEGEND

—+— Railroad	□ Parcel Boundary
Sidewalk Priority	▭ School
— 0	★ COTA Bus Stop (April 2007)
— 1 to 2	● Transformer
— 3 to 4	■ Streetlight
● DOS_Water_Dist_Net_Net_Junctns	
● DOS_SewerManhole	
- - - Primary Overhead Conductor	
- - - Secondary Overhead Conductor	

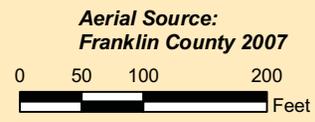


City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 4,164'
 R/W Acquisition: \$142,505
 Utility Relocation: 0
 Project Estimate: \$585,741

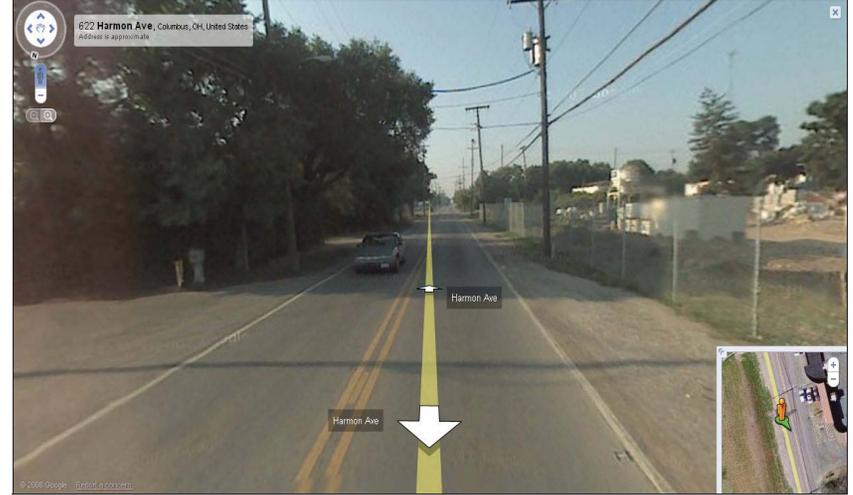
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 5-6 = 395'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$55,549

Page 4 of 4





Picture is directed south between Campbell Ave. and Thomas Avenue. Ample R/W appears available. Drainage may be an issue due to extremely flat terrain.



Picture is directed south 250' north of Renick Street. Right of Way needed in several locations - Drainage may be an issue due to extremely flat terrain - utility poles both side of road and design required to avoid significant utility relocations - Recommend No to QTC.



Picture is directed south at Miner Avenue. Right of Way needed in several locations - Drainage may be an issue due to extremely flat terrain - utility poles both side of road and design required to avoid significant utility relocations - Recommend No to QTC.



Picture is directed south 400' north of Greenlawn Avenue. New curb has been placed in this section and the walk could go directly behind the curb - utility poles both side of road may require adjustment of walk width and/or alignment - Recommend Yes to QTC in this limit of the project.



OPERATION SAFEWALKS - Souder Avenue (Campbell Avenue to Thomas Avenue), Harmon Avenue (Mound Street to Greenlawn Avenue)

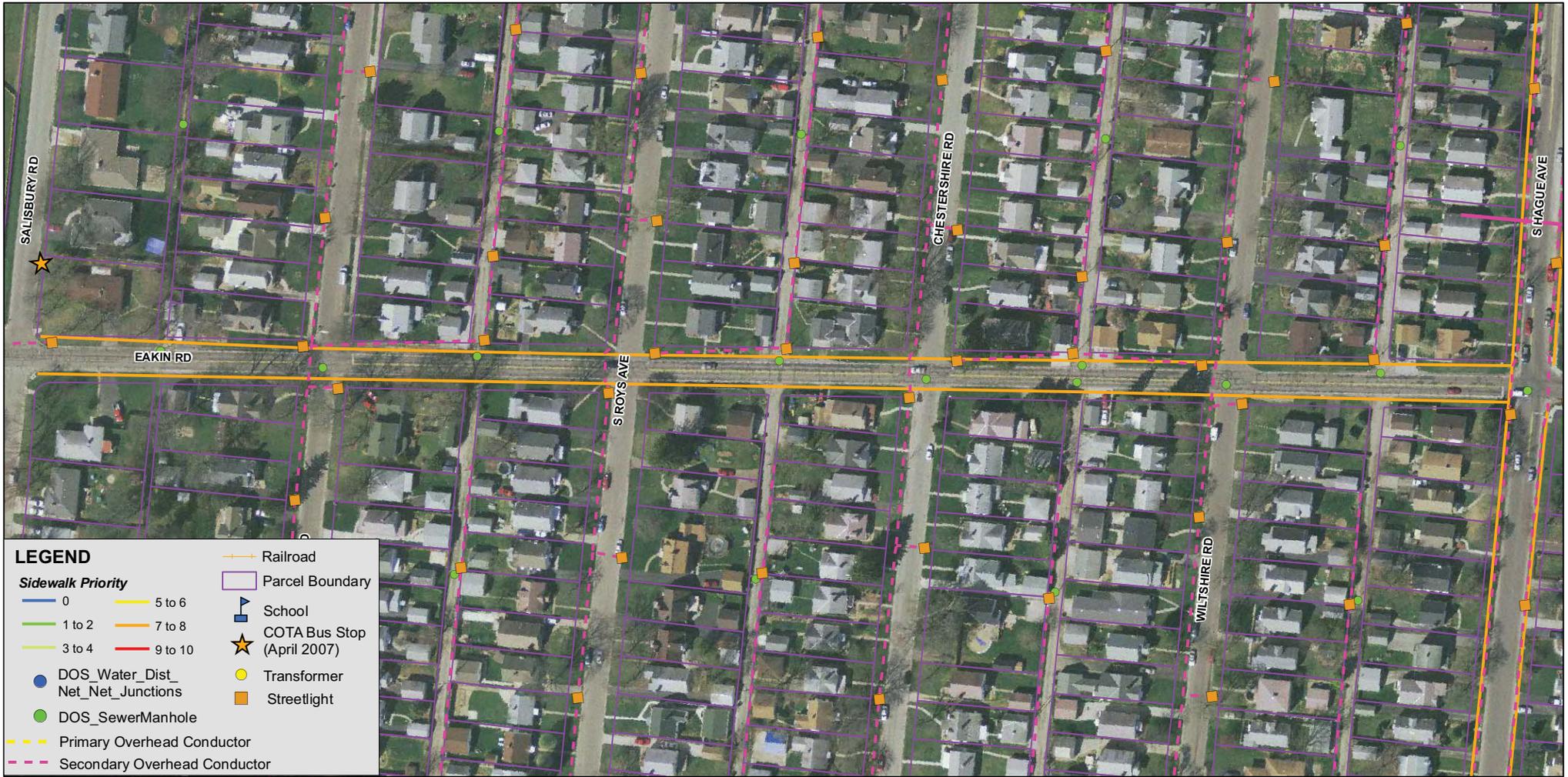
Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(7/8)	Souder Avenue (Campbell Avenue to Thomas Avenue), Harmon Avenue (Mound Street to Greenlawn Avenue)	Arterial (C)	4164	7	24-56	Varies - 40' min	8' min at various locations	Not without additional R/W purchase	None apparent	1 & 2	0	0	29	\$142,505	None anticipated	\$0	\$354,589	\$585,741	No	Right of Way needed in several locations along north side of road - drainage will be problematic - utility poles both side of road and design required to avoid significant utility relocations - Recommend No to QTC for these reasons
SW	(5/6)	Souder Avenue (Campbell Avenue to Thomas Avenue), Harmon Avenue (Mound Street to Greenlawn Avenue)	Arterial (C)	395	7	40	60'	10' (L&R)	curbed section - N/A	None apparent	2	0	0	0	\$0	None anticipated	\$0	\$44,440	\$55,549	Yes	Right of Way appears ample in this short stretch of 5-6 priority. The walk would need to go directly behind curb to avoid R/W - drainage should be able to drain over walk into street - Utilities appear clear - Yes to QTC

Souder Avenue (Campbell Avenue to Thomas Avenue), Harmon Avenue (Mound Street to Greenlawn Avenue)					QUAD	PRIORITY
General Estimating Data					SW	(7/8)
Street Classification	Arterial (C)					
Priority Length (ft)	4164	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	13	ea				
Number of alleys	2	ea				
Number of curb ramps	30	ea				
Number of driveways	23	ea				
Square feet of driveways (SQ FT)	2300	sq ft				
square feet of sidewalk (SQ FT)	29148	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	1 & 2					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	1079.56	CU. YD.	20.00	21,591.11	
EMBANKMENT	203	154.22	CU. YD.	20.00	3,084.44	
SUBGRADE COMPACTION	204	3494.22	SQ. YD.	2.00	6,988.44	
8" CONCRETE WALK	608	3000	SQ. FT.	9.00	27,000.00	
4" CONCRETE WALK	608	26148	SQ. FT.	6.00	156,888.00	
CONCRETE DRIVEWAY APRONS	452	258	SQ. YD.	40.00	10,222.22	
CURE RAMPS	608	30	EACH	700.00	21,000.00	
NEW/DETECTABLE WARNING	SS1851	30	EACH	400.00	12,000.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
SIDEWALK SUBTOTAL					\$261,274.22	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	4164	LIN. FT.	2.50	10,410.00	
SEEDING AND MULCHING	659	2313.33	SQ. YD.	4.00	9,253.33	
EROSION CONTROL SUBTOTAL					\$19,663.33	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	11,416.08	11,416.08	
FIELD OFFICE	619	1	LUMP	4,566.79	4,566.79	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	4,566.79	4,566.79	
MOBILIZATION	624	1	LUMP	6,850.19	6,850.19	
MISCELLANEOUS SUBTOTAL					\$27,400.75	
Project Subtotal					\$308,338.30	
15% Project Contingencies					\$46,250.75	
Opinion of Probable Construction Cost					\$354,589.05	
Force Account (10% of Subtotal)					\$35,833.83	
Engineering Design Services (15% of Subtotal)					\$53,188.36	
Right of Way Acquisition					\$142,504.96	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$585,741.21	

Souder Avenue (Campbell Avenue to Thomas Avenue), Harmon Avenue (Mound Street to Greenlawn Avenue)					QUAD	PRIORITY
General Estimating Data					SW	(5/6)
Street Classification	Arterial (C)					
Priority Length (ft)	395	if				
Anticipated Sidewalk width	7	if				
Number of intersection quadrants	3	ea				
Number of alleys	1	ea				
Number of curb ramps	8	ea				
Number of driveways	2	ea				
Square feet of driveways (SQ FT)	200	sq ft				
square feet of sidewalk (SQ FT)	2765	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	Yes					
Proposed sidewalk typical (see exhibit 3)	2					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	102.41	CU. YD.	20.00	2,048.15	
EMBANKMENT	203	14.63	CU. YD.	20.00	292.59	
SUBGRADE COMPACTION	204	329.44	SQ. YD.	2.00	658.89	
8" CONCRETE WALK	608	800	SQ. FT.	9.00	7,200.00	
4" CONCRETE WALK	608	1965	SQ. FT.	6.00	11,790.00	
CONCRETE DRIVEWAY APRONS	452	22	SQ. YD.	40.00	888.89	
CURE RAMPS	608	8	EACH	700.00	5,600.00	
NEW/DETECTABLE WARNING	SS1851	8	EACH	400.00	3,200.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
SIDEWALK SUBTOTAL					\$34,178.52	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	395	LIN. FT.	2.50	987.50	
SEEDING AND MULCHING	659	219.44	SQ. YD.	4.00	877.76	
EROSION CONTROL SUBTOTAL					\$1,865.26	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	1,083.02	1,083.02	
FIELD OFFICE	619	1	LUMP	433.21	433.21	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	433.21	433.21	
MOBILIZATION	624	1	LUMP	649.81	649.81	
MISCELLANEOUS SUBTOTAL					\$2,599.25	
Project Subtotal					\$38,643.05	
15% Project Contingencies					\$5,796.46	
Opinion of Probable Construction Cost					\$44,439.51	
Force Account (10% of Subtotal)					\$4,443.95	
Engineering Design Services (15% of Subtotal)					\$6,665.93	
Right of Way Acquisition					\$0.00	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$55,549.39	

OPERATION SAFEWALKS

Eakin Road from Salisbury Road to Hague Avenue



LEGEND

— 0	— 5 to 6	— Railroad
— 1 to 2	— 7 to 8	□ Parcel Boundary
— 3 to 4	— 9 to 10	▣ School
● DOS_Water_Dist	● Transformer	★ COTA Bus Stop (April 2007)
● Net_Net_Junctions	■ Streetlight	
● DOS_SewerManhole		
--- Primary Overhead Conductor		
--- Secondary Overhead Conductor		



City of Columbus
Public Service Department
Transportation Division

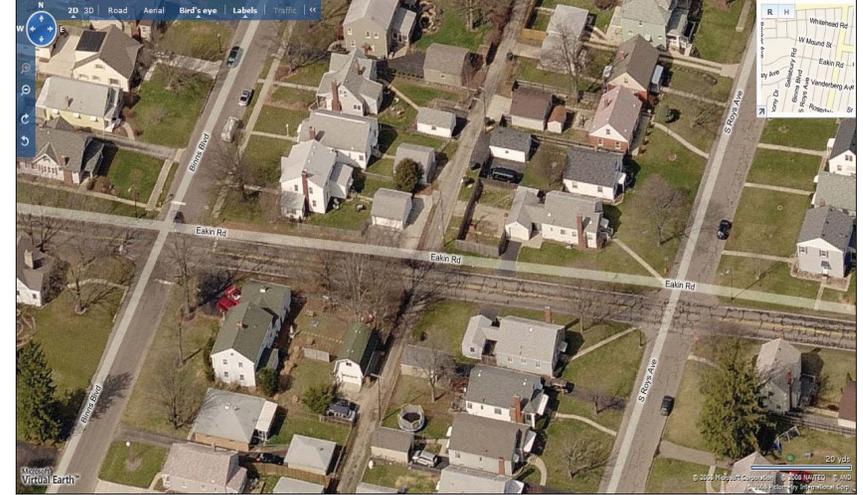
PROJECT SUMMARY
 Quadrant: SW
 Project Length: 7-8 = 3,095'
 R/W Acquisition: 0
 Utility Relocation: 0
 Project Estimate: \$309,651

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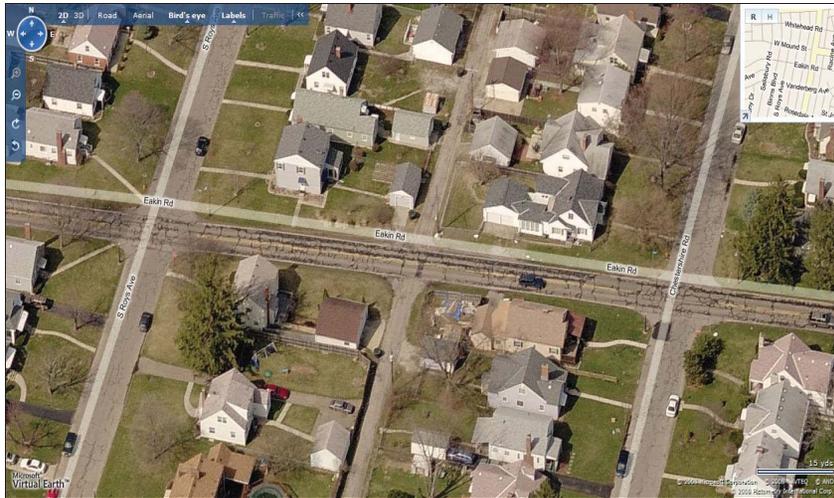
Aerial Source:
Franklin County 2007



Picture is directed east at Salisbury Road intersection. Eakin Road is predominantly a non-curbed road within the project limits. R/W appears ample - utility relocations not anticipated - Drainage will require careful design to avoid puddles - for drainage design requirement recommend NO to QTC



Aerial Photo showing middle limits of the project.



Aerial Photo showing middle limits of the project.



Picture is directed west at Hague Avenue intersection. Eakin Road is predominantly a non-curbed road within the project limits. R/W appears ample - utility relocations not anticipated - Drainage will require careful design to avoid puddles - for drainage design requirement recommend NO to QTC



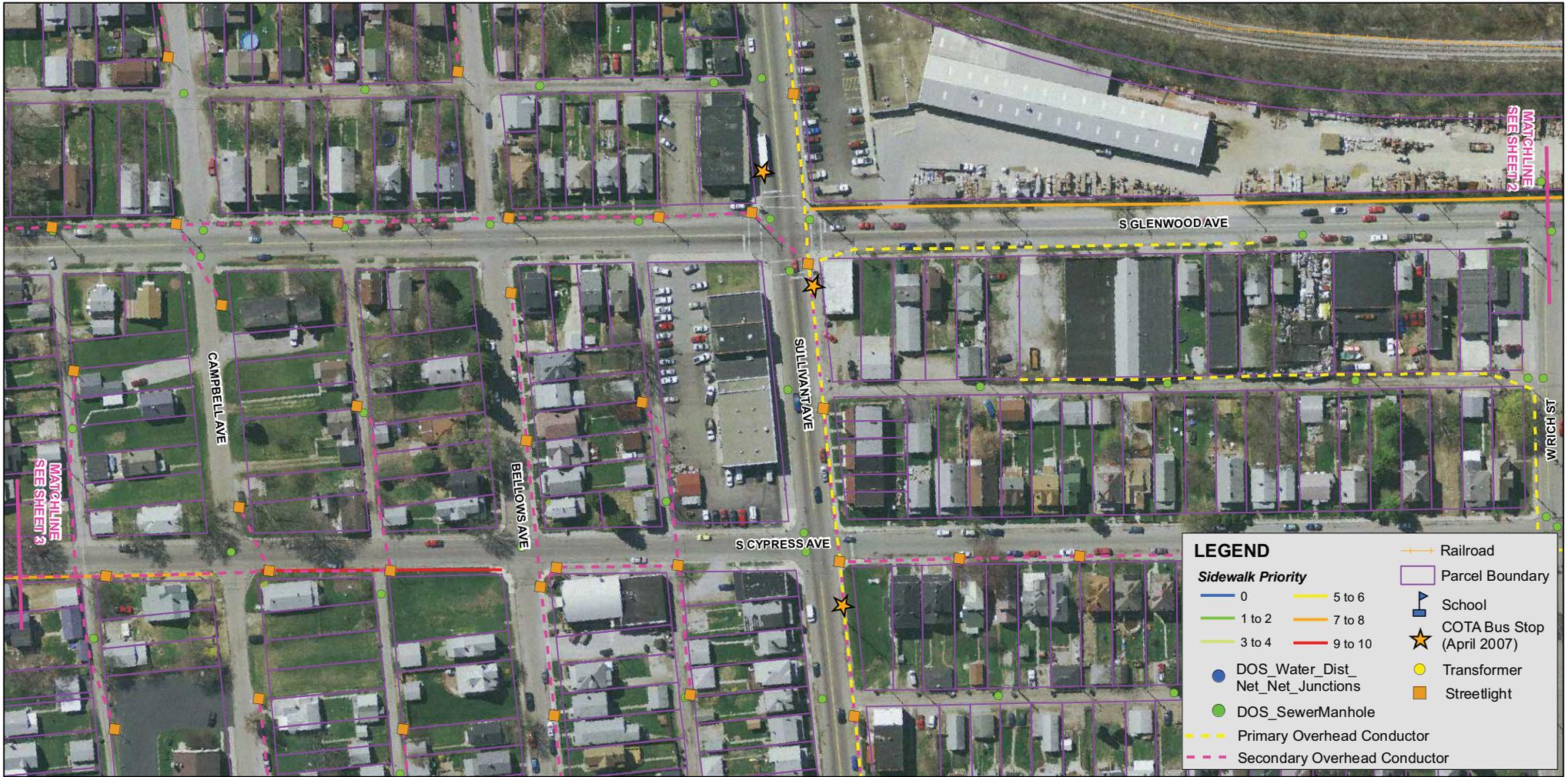
OPERATION SAFEWALKS - Eakin Road (Salisbury Road - Hague Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft) right (ft)	Satisfies ODOT allowable offset (13' non-curbed)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(7/8)	Eakin Road (Salisbury Road - Hague Avenue)	Residential (C)	3095	4	20	50	15' (L&R)	residential area - N/A	None apparent	1	0	0	0	\$0	None Apparent	\$0	\$247,721	\$309,651	No	Non-curbed road - Right of Way appears ample - utilities relocations not anticipated - Drainage may be an issue and will require careful design to avoid ponding throughout the limits - for drainage design requirement recommend NO to QTC

Eakin Road (Salisbury Road - Hague Avenue)		QUAD	PRIORITY
		SW	(7/8)
General Estimating Data			
Street Classification	Residential (C)		
Priority Length (ft)	3095	ft	
Anticipated Sidewalk width	4	ft	
Number of intersection quadrants	20	ea	
Number of alleys	8	ea	
Number of curb ramps	56	ea	
Number of driveways	3	ea	
Square feet of driveways (SQ.FT)	300	sq ft	
Square feet of sidewalk (SQ.FT)	12360	sq ft	
retaining wall estimate greater than 4 ft in height	0	ft	
retaining wall estimate less than 4 ft in height	0	ft	
Estimate of signal upgrades	0	ea	
Quick to Construct Recommendation	No		
Proposed sidewalk typical (see exhibit 3)	1		
DESCRIPTION	ITEM	GRAND TOTAL	UNIT COST COST
MAJOR SIDEWALK ITEMS			
CLEARING AND GRUBBING	201	1	LUMP 2,500.00 \$2,500.00
EXCAVATION	203	458.82	CU YD. 20.00 9,170.37
EMBANKMENT	203	114.83	CU YD. 20.00 2,296.59
SUBGRADE COMPACTION	204	1408.89	SG YD. 2.00 2,817.78
8" CONCRETE WALK	608	5600	SG. FT. 9.00 50,400.00
4" CONCRETE WALK	608	6780	SG. FT. 6.00 40,680.00
CONCRETE DRIVEWAY APRONS	452	33	SG YD 40.00 1,333.33
CURB RAMPS	608	56	EACH 700.00 39,200.00
NEW DETECTABLE WARNING	SS1551	56	EACH 400.00 22,400.00
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 200.00 0.00
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LIN. FT. 60.00 0.00
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH 15,000.00 0.00
DRAINAGE ESTIMATE	SPECIAL	0	LUMP 0.00 0.00
		SIDEWALK SUBTOTAL	\$176,794.07
EROSION CONTROL			
PERIMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	3095	LIN. FT. 2.50 7,737.50
SEEDING AND MULCHING	609	1719.44	SG YD. 4.00 6,877.78
		EROSION CONTROL SUBTOTAL	\$14,615.28
MISCELLANEOUS			
MAINTAINING TRAFFIC	614	1	LUMP 12,500.00 12,500.00
FIELD OFFICE	619	1	LUMP 5,000.00 5,000.00
CONSTRUCTION LAYOUT STAKES	623	1	LUMP 5,000.00 5,000.00
MOBILIZATION	624	1	LUMP 7,500.00 7,500.00
		MISCELLANEOUS SUBTOTAL	\$30,000.00
		Project Subtotal	\$215,409.35
		15% Project Contingencies	\$32,311.40
		Opinion of Probable Construction Cost	\$247,720.75
		Force Account (10% of Subtotal)	\$24,772.08
		Engineering Design Services (15% of Subtotal)	\$37,186.11
		Right of Way Acquisition	\$0.00
		Utility Relocation	\$0.00
		PROJECT ESTIMATE	\$309,650.94

OPERATION SAFEWALKS

Glenwood from Sullivant to Capital, Cypress from Thomas to Bellows, Mound from Cypress to Mt. Calvary



LEGEND

- +— Railroad
- Parcel Boundary
- School
- ★ COTA Bus Stop (April 2007)
- Transformer
- Streetlight
- DOS_Water_Dist_Net_Net_Junctions
- DOS_SewerManhole
- - - Primary Overhead Conductor
- - - Secondary Overhead Conductor

Sidewalk Priority

- Blue line: 0
- Green line: 1 to 2
- Yellow line: 3 to 4
- Orange line: 5 to 6
- Red line: 7 to 8
- Dark red line: 9 to 10



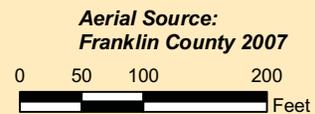
City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SW
Project Length: 9-10 = 254'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$35,565

PROJECT SUMMARY
Quadrant: SW
Project Length: 7-8 = 3,883'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$360,947



OPERATION SAFEWALKS

Glenwood from Sullivant to Capital, Cypress from Thomas to Bellows, Mound from Cypress to Mt. Calvary



City of Columbus
Public Service Department
Transportation Division

PROJECT SUMMARY
Quadrant: SW
Project Length: 9-10 = 254'

R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$35,565

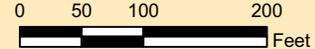
PROJECT SUMMARY
Quadrant: SW
Project Length: 7-8 = 3,883'

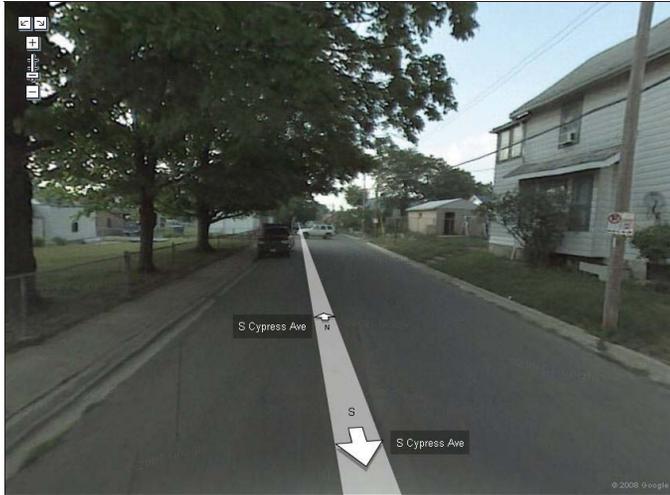
R/W Acquisition: 0
Utility Relocation: 0
Project Estimate: \$360,947

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Aerial Source:
Franklin County 2007





Picture is directed north on Cypress Avenue just north of Thomas Avenue. Curbed road - Right of Way appears ample with design to account for utility pole line relocation and low retaining wall -Recommend NO to QTC.



Picture is directed north on Glenwood Avenue approximately 400 feet north of Sullivant Avenue. Curbed road - right of way appears ample and walk could be placed similar to the current east side walk.



Picture is directed north on Glenwood Avenue approximately 200 feet north of Sullivant Avenue. Curbed road - right of way appears ample and walk could be placed similar to the current east side walk.



Picture is directed east on Mound Street just west of Avondale Avenue. Curbed road - right of way appears ample and walk could be placed similar to the current north side walk.



OPERATION SAFEWALKS - Glenwood Avenue (Sullivant Avenue to Capital Street), Cypress Avenue (Thomas Avenue to Bellows Avenue), Mound Street (Cypress Avenue to Mt Calvary Avenue)

Quadrant	OS Priority	Project	Street Classification	Priority length (ft)	anticipated sidewalk width (ft)	Approximate existing street width (ft)	Approximate existing right of way width (ft)	available parkway width left (ft)	available parkway width right (ft)	Satisfies ODOT allowable offset (13' non-curved)	Environmental Issues or Concerns	proposed sidewalk typical section (see exhibit 3)	retaining wall estimate less than 4 ft in height (ft)	retaining wall estimate greater than 4 ft in height (ft)	right of way estimated parcels	Opinion of probable R/W Acquisition cost	utility issues/ concerns	opinion of COC utility relocation cost	opinion of probable construction cost	Project Estimate	Quick to Construct Recommendation (Yes or No)	Comments/History
SW	(9/10)	Glenwood Avenue (Sullivant Avenue to Capital Street), Cypress Avenue (Thomas Avenue to Bellows Avenue), Mound Street (Cypress Avenue to Mt Calvary Avenue)	Residential (C)	254	6	32' Cypress - 40' Glenwood - 48' Mound	50' Cypress - 60' Glenwood - 70' Mound	9' Cypress - 10' Glenwood - 11' Mound (L&R)	curbed section - N/A	-	None apparent	2	0	0	0	\$0	Relocation anticipated - utility pole line in conflict	\$0	\$28,452	\$35,565	No	Curbed road - Right of Way appears ample - utility pole line relocation anticipated (see pictures on next sheet) - Recommend NO to QTC
SW	(7/8)	Glenwood Avenue (Sullivant Avenue to Capital Street), Cypress Avenue (Thomas Avenue to Bellows Avenue), Mound Street (Cypress Avenue to Mt Calvary Avenue)	Arterial/ Residential (C)	3883	6	32' Cypress - 40' Glenwood - 48' Mound	50' Cypress - 60' Glenwood - 70' Mound	9' Cypress - 10' Glenwood - 11' Mound (L&R)	curbed section - N/A	-	None apparent	2, 3 & 4	220	0	0	\$0	Relocation anticipated - utility pole line in conflict	\$0	\$288,758	\$360,947	No	Curbed road - Right of Way appears ample - Glenwood limits appear clear - utility pole line relocation and low retaining wall anticipated for Cypress work (see pictures on next sheet) - Recommend NO to QTC

Glenwood Avenue (Sullivant Avenue to Capital Street), Cypress Avenue (Thomas Avenue to Bellows Avenue), Mound Street (Cypress Avenue to Mt Calvary Avenue)					QUAD	PRIORITY
General Estimating Data					SW	(9/10)
Street Classification	Residential (C)					
Priority Length (ft)	254	if				
Anticipated Sidewalk width	6	if				
Number of intersection quadrants	2	ea				
Number of alleys	1	ea				
Number of curb ramps	6	ea				
Number of driveways	0	ea				
Square feet of driveways (SQ FT)	0	sq ft				
square feet of sidewalk (SQ FT)	1524	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	0	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	2					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	56.44	CU YD.	20.00	1,128.80	
EMBANKMENT	203	9.41	CU YD.	20.00	188.15	
SUBGRADE COMPACTION	204	169.33	SQ. YD.	2.00	338.67	
8" CONCRETE WALK	608	600	SQ. FT.	9.00	5,400.00	
4" CONCRETE WALK	608	924	SQ. FT.	6.00	5,544.00	
CONCRETE DRIVEWAY APRONS	452	0	SQ. YD.	40.00	0.00	
CURE RAMPS	608	8	BACH	700.00	4,200.00	
NEW/RETECTABLE WARNING	SB1851	8	EACH	400.00	2,400.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	0	LF	60.00	0.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	LUMP	0.00	0.00	
SIDEWALK SUBTOTAL					\$21,699.70	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	254	LIN. FT.	2.50	635.00	
SEEDING AND MULCHING	659	141.11	SQ. YD.	4.00	564.44	
EROSION CONTROL SUBTOTAL					\$1,199.44	
MISCELLANEOUS (PRORATED)						
MAINTAINING TRAFFIC	614	1	LUMP	787.48	787.48	
FIELD OFFICE	619	1	LUMP	306.99	306.99	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	306.99	306.99	
MOBILIZATION	624	1	LUMP	460.48	460.48	
MISCELLANEOUS SUBTOTAL					\$1,841.91	
Project Subtotal					\$24,741.08	
15% Project Contingencies					\$3,711.16	
Opinion of Probable Construction Cost					\$28,452.22	
Force Account (10% of Subtotal)					\$2,845.22	
Engineering Design Services (15% of Subtotal)					\$4,267.83	
Right of Way Acquisition					\$0.00	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$35,965.28	

Glenwood Avenue (Sullivant Avenue to Capital Street), Cypress Avenue (Thomas Avenue to Bellows Avenue), Mound Street (Cypress Avenue to Mt Calvary Avenue)					QUAD	PRIORITY
General Estimating Data					SW	(7/8)
Street Classification	Arterial/ Residential (C)					
Priority Length (ft)	3883	if				
Anticipated Sidewalk width	6	if				
Number of intersection quadrants	7	ea				
Number of alleys	1	ea				
Number of curb ramps	16	ea				
Number of driveways	3	ea				
Square feet of driveways (SQ FT)	300	sq ft				
square feet of sidewalk (SQ FT)	23298	sq ft				
retaining wall estimate greater than 4 ft in height	0	if				
retaining wall estimate less than 4 ft in height	220	if				
Estimate of signal upgrades	0	ea				
Quick to Construct Recommendation	No					
Proposed sidewalk typical (see exhibit 3)	2, 3 & 4					
DESCRIPTION	ITEM	GRAND TOTAL	UNIT	UNIT COST	COST	
MAJOR SIDEWALK ITEMS						
CLEARING AND GRUBBING	201	1	LUMP	2,500.00	\$2,500.00	
EXCAVATION	203	802.89	CU YD.	20.00	17,257.78	
EMBANKMENT	203	143.81	CU YD.	20.00	2,876.30	
SUBGRADE COMPACTION	204	2622.00	SQ. YD.	2.00	5,244.00	
8" CONCRETE WALK	608	1600	SQ. FT.	9.00	14,400.00	
4" CONCRETE WALK	608	21698	SQ. FT.	6.00	130,188.00	
CONCRETE DRIVEWAY APRONS	452	33	SQ. YD.	40.00	1,333.33	
CURE RAMPS	608	16	BACH	700.00	11,200.00	
NEW/RETECTABLE WARNING	SB1851	16	EACH	400.00	6,400.00	
RETAINING WALL (GREATER THAN 4' HEIGHT)	SPECIAL	0	LF	200.00	0.00	
RETAINING WALL (LESS THAN 4' HEIGHT)	SPECIAL	220	LF	60.00	13,200.00	
SIGNAL UPGRADE ESTIMATE	SPECIAL	0	EACH	15,000.00	0.00	
DRAINAGE ESTIMATE	SPECIAL	0	Lump	0.00	0.00	
SIDEWALK SUBTOTAL					\$204,599.41	
EROSION CONTROL						
PERMETER FILTER FABRIC FENCE, COMPOSITION BERM	207	3883	LIN. FT.	2.50	9,707.50	
SEEDING AND MULCHING	659	2157.22	SQ. YD.	4.00	8,628.89	
EROSION CONTROL SUBTOTAL					\$18,336.39	
MISCELLANEOUS						
MAINTAINING TRAFFIC	614	1	LUMP	11,732.54	11,732.54	
FIELD OFFICE	619	1	LUMP	4,893.01	4,893.01	
CONSTRUCTION LAYOUT STAKES	623	1	LUMP	4,893.01	4,893.01	
MOBILIZATION	624	1	LUMP	7,939.52	7,939.52	
MISCELLANEOUS SUBTOTAL					\$28,158.09	
Project Subtotal					\$251,093.88	
15% Project Contingencies					\$37,664.08	
Opinion of Probable Construction Cost					\$288,757.96	
Force Account (10% of Subtotal)					\$28,875.80	
Engineering Design Services (15% of Subtotal)					\$43,313.69	
Right of Way Acquisition					\$0.00	
Utility Relocation					\$0.00	
PROJECT ESTIMATE					\$360,947.41	