



GCRTA and CSX
Railroad Corridor



East 55th Street at IR-490

Planning Level Project Cost Estimates for the Opportunity Corridor

Ohio Department of Transportation

March 42, 2013

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Planning Level Project Cost Estimates for the Opportunity Corridor Narrative

Project Description: The Opportunity Corridor project would involve the construction of a new arterial roadway (urban boulevard) within the City of Cleveland, Cuyahoga County, Ohio. The proposed urban boulevard would consist of a four- to five-lane typical section with turn lanes at intersections. It would begin in the west at the I-490/E. 55th Street intersection, which is eastern extent of the Interstate highway system and the I-77/I-490 system interchange. The proposed boulevard would end at the E. 105th Street/Chester Avenue intersection in the east.

Between the I-490/E. 55th Street intersection and Quincy Avenue, the proposed boulevard would generally be on new alignment. From Quincy Avenue to Chester Avenue, the roadway would be constructed along the existing E. 105th Street alignment. The boulevard would include a depressed, grassy median between E. 55th Street and Quincy Avenue. In addition, wide outside travel lanes would be provided for shared use with bicycle traffic. The proposed boulevard would also include a multi-use path on the south side of the roadway and a sidewalk on the north side of the roadway.

The proposed boulevard would have signalized intersections with Kinsman Road, E. 75th Street, E. 79th Street, Buckeye Road, Woodland Avenue, E. 93rd Street, Quincy Avenue, Cedar Avenue, Carnegie Avenue, Euclid Avenue, and Chester Avenue. Indirect signalized access would be provided to E. 55th Street using a quadrant roadway.

The cost estimate is divided into major work categories. Within each major work category there are related items. Quantity calculations for the items can be found using the Reference Page Number column. Below is the list of plans used in the development of the cost estimate and included as a reference to the document.

Structure Plan Sheets

Roadway Plan, Profile and Cross Section Sheets

Preliminary Drainage Plan and Profile Sheets

NS Railroad Plan and Profile Sheets

NS Railroad Maintenance of Traffic (MOT) Phasing Sheets

I-490/E. 55th Street MOT Phasing Concept Diagrams

Sewer Relocation Details

Relocation Assistance Program Survey Report

Cost Estimate Contingencies: It is noted that the project has utilized a modified version of ODOT's Major PDP process. Certain project elements that were not critical to alternative selection or obtaining the project footprint have been deferred. This has allowed the NEPA planning efforts to be performed in an expedited and cost effective manner. The various components of the preliminary design information,

Planning Level Project Cost Estimates for the Opportunity Corridor Narrative

used to develop the cost estimate, are in varying stages of design. The contingency percentages used in the estimate vary by category and reflect the level of detail available at the time of the estimate.

Estimated Unit Costs: In general, Ohio Department of Transportation (ODOT) resources were used to establish the unit costs. They include ODOT's Procedure for Budget Estimating and ODOT's historical information for standard bid items. Supplemental sources are as follows:

General: Geotechnical investigations have been deferred. To date only two soil borings have been obtained for the project – both in the vicinity of the NS railroad bridge. These were obtained to evaluate the presence of large boulders or recycled material within the existing railroad fill that could preclude the use of sheeting (note that the borings did not identify the presence of these materials).

Geotechnical information for the project is limited to available record plan information. In general, historic boring information identifies bedrock at an approximate depth of 30', except near the Kingsbury Run river Valley where bedrock was not identified in borings 80' below the 60' valley floor. Due to the lack of geotechnical information some items, such as bridge foundations, retaining wall types and subgrade evaluations were not able to be advanced to the typical level of detail.

Roadway Subgrade Stabilization: Record plan information identified poor subgrade conditions in the vicinity of the E. 55th GCRTA rapid transit station. Other record roadway plans did not utilize subgrade stabilization methods, however it is unknown if ODOT policies were followed when plans were developed. For this reason subgrade remediation was assumed for 30% of the pavement surface area.

Microtunnels: The cost for these items was derived from information obtained from the Northeast Ohio Regional Sewer District and historical Burgess & Niple project data. The manholes associated with the microtunnels are greater than 30 foot deep. \$100,000 per manhole was used in the estimate. The cost for these was derived as follows: \$50,000 per manhole for the vertical pit; \$1,000 per vertical foot (40 foot used); and \$5,000 per drop (2 per Manhole).

Storm Water Management: It is understood that detention basins and best management practices will be utilized on the project. However, plan development to date has not identified facility sizes or locations. Therefore, a budgetary amount was included in the estimate to account for these items. Ongoing coordination with NEORSD's Green Infrastructure study identified the potential to tie project Stormwater into a series of smaller NEORSD constructed detention basins, plus a smaller (project constructed) basin within the Kingsbury Run Valley. NEORSD will be transmitting basin preliminary design data so that this potential can be further evaluated. To date, this data has not been received.

Demolition: The demolition costs for a single family structure were based on documented cost by the City of Cleveland and through discussions with neighboring cities. The cost to demolish commercial buildings can vary dramatically based on the number of levels, its previous use, condition, building type, and salvage value. ODOT's Procedure for Budget Estimating recommends using \$10 per square foot of floor area. Floor areas were multiplied for multi-story buildings.

Planning Level Project Cost Estimates for the Opportunity Corridor Narrative

Intersection Enhancements: It was assumed that each cross walk would be brick or stamped concrete. A unit of \$15 per square foot was used with an average area per intersection of 2,400 square feet, for a total cost of \$36,000 per intersection.

Structures: Plan views, span arrangements and structure depths have been developed for each bridge. Bridge piers and abutments have been plotted within the roadway profile sheets. Formal structure type studies have not been completed at the time of this estimate. Non-standard costs are associated with railroad structures and associated impacts. Each bridge over an GCRTA track will require a temporary structure to protect the cantenary lines. A cost per linear foot of protection structure was developed based on previous experience with the impacted rail lines. Both the GCRTA and various railroads will require an agreement. The agreement for GCRTA was valued at \$300,000. The individual agreement for a railroad was valued at \$425,000. The agreements account for flagging costs. For a railroad bridge over a highway a value of \$800 per square foot of deck area was used. This figure was based on the detailed cost estimate for the Railroad Bridge over E55th Street. Track work costs were verified with ODOT. Retaining walls are identified on the plan sheets and cross sections. Retaining wall justification studies have not been completed at the time of this estimate.

Miscellaneous Major Additional Costs: The GCRTA East 55th Street Rapid Station will require a reconfiguration of the driveway, parking lot and bus loop. Concepts have been developed, but detail layout has not been established. This work may be constructed by the project or compensation provided via a real estate damages settlement. A budgetary amount was included in the estimate to account for driveway and parking lot reconstruction, including modifications to the storm sewer, sanitary sewer and water service connections.

The Environmental Remediation cost estimate was developed by HzW Environmental Consultants and is further explained on pages 30 to 36. The estimate was prepared using the results of an ESA Screening report, Phase 1 ESA analysis for some parcels, and HzW's experience with properties in the area. Additional Phase 1 ESA's and all of the Phase 2 ESA's have not been completed at the time of this estimate.

Compensable Utility Relocations: Record plan utility data has been obtained from respective utility owners. Centerline control surveys have not been performed to date, therefore utility plotting has not been performed. The following public utilities would be eligible for relocation or reimbursement with the project: Cleveland Water Department (CWD); Cleveland Public Power (CPP); NEORS facilities. Private utilities impacted by the project that are located within the public right of way would not be eligible for reimbursement. However, private utilities located in easements beyond the right of way would be eligible for reimbursement if they are impacted by the project. Utility research indicated the presence of 5 fiber optic facilities within the Norfolk Southern (NS) right of way that could be impacted. Major NEORS relocations are included in other sections of this estimate. A preliminary estimate had been utilized within the cost estimate for other compensable utility costs. This is intended to address conflicts with CWD and CPP facilities as well as compensation for relocation of fiber optic facilities within the NS right of way. The estimate was developed in conjunction with ODOT D-12's former district utility coordinator.

Planning Level Project Cost Estimates for the Opportunity Corridor Narrative

Maintenance of Traffic: The project corridor traverses a combination of developed, vacated, and new alignment sections with a relatively low ADT. It is assumed that I-490 will be closed at E55th Street during bridge construction and detoured to Woodland Avenue. Traffic will be maintained using phased construction and run-arounds on E55th Street. E105th Street will be maintained using phased construction, although the southern leg will be closed during railroad bridge construction. Other locations are generally constructed off-line with traffic maintained along major intersection roadways. NS mainline is maintained via permanent track relocation and phased construction (railroad maintenance and track costs are included with the bridge costs). A flat 1 percent of the project cost was assigned, with the primary cost driver being the E55th Street bridge and the phased E105th Street corridor.

Railroad Maintenance of Traffic: Construction of the NS bridge over OC is performed while maintaining both sets of NS tracks – except for short term closures to construct cut-over's. This is accomplished via a permanent westward track relocation and phased construction. Per coordination with NS the bridge accommodates the current two sets of tracks, plus includes extra structure width to accommodate a future 4 track configuration. The extra structure width will accommodate the current maintenance roadway.

Right of Way Acquisition: The Right of Way land costs are contained herein. The relocation methodology is contained in the Relocation Assistance Program Survey Report prepared by O.R. Colan Associates and is included in the reference material.

Environmental Justice Mitigation: The scope and amount of this work is unknown at this time, therefore these costs have not been included in the estimate.

Opportunity Corridor
Planning Level Project Cost Estimate

Items	Reference Page Number	Unit	Unit Cost \$ (2012)	Quantity	Total \$
General Construction Costs					
Major Cost Drivers					
Roadway					
Pavement Removed	8	sq yd	\$8	20,616	\$164,924
Sidewalk Removed	8	sq ft	\$3	54,856	\$164,568
Curb Removed	8	ft	\$4	13,714	\$54,856
Drainage Removed	8	ft	\$12	6,857	\$82,284
Excavation	9	cu yd	\$8	529,378	\$4,235,024
Embankment	9	cu yd	\$6	70,222	\$421,332
Clearing & Grubbing		acre	\$2,200	279	\$613,800
Topsoil	9	cu yd	\$15	12,997	\$194,953
Seeding & Mulching	9	sq yd	\$1	116,972	\$116,972
Subgrade Stabilization (30% of Pvm't Area)		sq yd	\$4	61,980	\$247,920
Roadway Contingency		percent	10%		\$629,663
Pavement					
Concrete (12" Concrete, 6" Base, Compaction)	10	sq yd	\$68	206,600	\$14,048,800
Curb and Gutter	10	ft	\$36	63,018	\$2,268,648
Sidewalk	10	sq ft	\$5	228,363	\$1,141,815
Multi-Purpose Path	10	sq ft	\$5	137,646	\$688,230
Pavement Contingency		percent	10%		\$1,814,749
Drainage					
Manhole < 10' Deep	11-12	Each	\$3,000	37	\$111,000
Manhole 10' to 20' Deep	11-12	Each	\$6,700	21	\$140,700
Manhole 20'-30' Deep	11-12	Each	\$14,000	12	\$168,000
Manhole >=30' Deep	11-12	Each	\$100,000	10	\$1,000,000
15" Conduit, Type B	11-12	ft	\$56	1,223	\$68,488
18" Conduit, Type B	11-12	ft	\$57	1,759	\$100,263
21" Conduit, Type B	11-12	ft	\$63	572	\$36,036
24" Conduit, Type B	11-12	ft	\$80	1,321	\$105,680
27" Conduit, Type B	11-12	ft	\$82	587	\$48,134
30" Conduit, Type B	11-12	ft	\$95	200	\$19,000
36" Conduit, Type B	11-12	ft	\$104	562	\$58,448
42" Conduit, Type B	11-12	ft	\$183	1,433	\$262,239
48" Conduit, Type B	11-12	ft	\$200	897	\$179,400
48" Conduit, Type B > 10' Deep	11-12	ft	\$1,100	886	\$974,600
54" Conduit, Type B	11-12	ft	\$272	835	\$227,120
54" Conduit, Type B >10' Deep	11-12	ft	\$1,250	1,369	\$1,711,250
60" Conduit, Type B > 10' Deep	11-12	ft	\$1,300	1,047	\$1,361,490
54" Conduit, Microtunnel	11-12	ft	\$2,700	1,724	\$4,654,800
60" Conduit, Microtunnel	11-12	ft	\$3,000	2,504	\$7,511,700
38"X60" Conduit, Type B, 706.04	11-12	ft	\$325	100	\$32,500
Catch Basins	12	Each	\$2,750	120	\$330,000
12" Laterals for Catch Basins	12	ft	\$40	504	\$20,160
Drainage Contingency		percent	10%		\$1,912,101

Opportunity Corridor
Planning Level Project Cost Estimate

Stormwater Management					
Detentions Basin & BMP's		lump			\$600,000
Demolition					
Commercial Buildings	13	sq ft	\$10	1,066,319	\$10,663,190
Single-Family Dwellings		each	\$10,000	64	\$640,000
Demolition Contingency		percent	20%		\$2,260,638
Landscaping / Aesthetics					
Trees (Both tree lawns/median @ 30 ft c/c)	14	each	\$300	2,078	\$623,400
Intersection Enhancements	14	each	\$36,000	13	\$468,000
Landscaping / Aesthetics Contingency		percent	20%		\$218,280
Lighting					
Roadway Lighting		ft	\$40	24,684	\$987,360
Pedestrian-scale Lighting		ft	\$85	24,684	\$2,098,140
Lighting Contingency		percent	20%		\$617,100
NEORSR Relocations					
No. 4 Sewer Relocation(Bower)	15	lump			\$600,000
No. 3 Sewer Relocation (Bragg/Ex. 490)	16	lump			\$206,000
Kingsbury Run Bridge Sewer Relocation	17	lump			\$2,209,300
Sewerage (Regulator S-10 Relocation (E55th St.))	18	lump			\$695,000
NEORSR Relocations Contingency		percent	20%		\$742,060
Traffic Control					
Signalized Intersection	19	each	\$200,000	13	\$2,600,000
Signage	19	mile	\$250,000	4.7	\$1,168,750
Pavement Markings	19	mile	\$3,500	26.0	\$91,000
Traffic Control Contingency		percent	15%		\$578,963
Structures					
New Bridge	20	lump			\$55,669,740
Bridge Removal	20	lump			\$2,677,098
Reinforced Concrete Retaining Wall	27,28,29	sq ft	\$150	172,728	\$25,909,268
Structures Contingency		percent	25%		\$21,064,026
Miscellaneous Major Additional Costs					
RTA East 55th St Rapid Station Site Work		lump			\$300,000
Environmental Remediation Soils	35	lump			\$2,720,000
Environmental Remediation Ground Water	36	lump			\$745,000
Miscellaneous Major Contingency		percent	15%		\$564,750
Compensable Utility Relocations					
		lump			\$20,000,000
Noise Barriers					
NB2 South Side Between 71st Place and 75th Street	37	lump			\$189,500
NB3 North Side Between OC over GCRTA and 75th Street	38	lump			\$175,500
NB4 North Side Between Evins Avenue and Buckeye Road	39	lump			\$162,425

Opportunity Corridor
Planning Level Project Cost Estimate

Noise Barrier Contingency		percent	15%		\$79,114
Subtotal					\$206,245,248
Maintenance of Traffic		percent	1%		\$2,062,452
Summary of Probable Total Construction Costs 2012					\$208,307,701
Preliminary Development Phase/Final Development Phase (12%)					\$24,996,924
Contract Administration & Inspection (5%)					\$10,415,385
Right of Way Acquisition Services					\$4,500,000
Right of Way Acquisition					
Land	46	lump			\$10,029,408
Land (City of Cleveland)	49	Lump			\$995,148
Relocation		lump			\$7,128,000
Right of Way Acquisition Contingency		percent	10%		\$1,815,256
Environmental Justice Mitigation					
		lump			To be Determined
Summary of Probable Total Project Costs 2012					\$268,187,822
Total Contingencies (does not include ROW contingency)					\$30,481,444
Total Contingency Percentage (of Construction Cost)					15%

Opportunity Corridor
Planning Level Project Cost Estimate

Local Street Quantities (Streets to be Removed)

Street	Width	Length	Area	Pavement Removed	Sidewalk Removed	Curb Removed	Drainage Removed
	Ft	FT	SY	SY	SF	FT	FT
Francis Ave	30	280	933	933	2,240	560	280
East 57th St	26	400	1,156	1,156	3,200	800	400
Bower Ave	26	520	1,502	1,502	4,160	1,040	520
East 64th St	24	105	280	280	840	210	105
Berwick Rd	24	400	1,067	1,067	3,200	800	400
East 66th St	22	210	513	513	1,680	420	210
East 68th St	25	344	956	956	2,752	688	344
Colfax Rd	30	305	1,017	1,017	2,440	610	305
East 71st Pl	20	115	256	256	920	230	115
East 73rd St	26	425	1,228	1,228	3,400	850	425
Grand Ave	22	745	1,821	1,821	5,960	1,490	745
Rawlings St	26	1150	3,322	3,322	9,200	2,300	1,150
Evins Rd	24	275	733	733	2,200	550	275
Evarts Rd	26	175	506	506	1,400	350	175
Tennyson Rd	26	495	1,430	1,430	3,960	990	495
Lisbon Rd	30	145	483	483	1,160	290	145
East 89th St	40	768	3,413	3,413	6,144	1,536	768
			TOTALS	20,616	54,856	13,714	6,857

Opportunity Corridor
Planning Level Project Cost Estimate

LOCATION	Item 203			Item 659	
	Excavation	Embankment		Seeding and Mulching, Class 2	Topsoil
	CY	CY		SY	CY
Opportunity Corridor	405321	62234		95672	10630
East 55th Street	1433	88		413	46
Quadrant Road	50163	0		6682	742
Kinsman Road	2682	58		938	104
East 75th Street	1427	132		659	73
East 79th Street	2118	129		687	76
Buckeye Road	2701	89		783	87
Woodland Avenue	1995	1006		1031	115
East 93rd Street	2088	420		1316	146
Quincy Avenue	2496	3508		3560	396
Quebec Avenue	483	2491		3097	344
Cedar Avenue	2463	58		551	61
Carnegie Avenue	2358	6		595	66
Chester Avenue	3524	3		987	110
	481,252	70,222		116,972	12,997
10% Estimate For Pvmt	48,125				
Grand Total	529,377	70,222		116,972	12,997

Earthwork calculations were done using the top of pavement. In cut, the depth of pavement would need to be added to obtain the total cut quantity. A 10% contingency was added to account for this.

Opportunity Corridor
 Planning Level Project Cost Estimate

Location		Pavement Area	Multi-Purpose Path	Sidewalk	Curb
		SY	SF	SF	FT
Cadd Areas/Measurements		206,600	137,646	228,363	63,018

Opportunity Corridor
Planning Level Project Cost Estimate

Impacted Structure *	Type of Structure	Area of Structure (sf)	# of levels	Total Floor Area (sf)
1	Commercial	1,544	2	3087
2	Commercial	8,012	1	8012
3	Commercial	1,755	2	3510
4	Commercial	1,912	2	3823
5	Commercial	84,257	3	252770
6	Commercial	20,961	4	83844
7	Commercial	17,388	5	86940
8	Commercial	12,968	3	38905
9	Commercial	2,361	1	2361
10	Commercial	8,733	4	34933
11	Commercial	9,298	2	18597
12	Commercial	4,602	1	4602
13	Commercial	1,470	2	2941
14	Commercial	2,900	2	5799
15	Church	3,380	1	3380
16	Commercial	7,200	1	7200
17	Commercial	13,233	1	13233
18	Commercial	50,201	2	100403
19	Commercial	1,243	1	1243
20	Commercial	2,010	1	2010
21	Commercial	45,244	1	45244
22	Commercial	111,384	3	334152
23	Commercial	2,980	1	2980
24	Commercial	931	1	931
25	Commercial	1,114	1	1114
26	Commercial	2,153	2	4305
Total				1066319

Opportunity Corridor
Planning Level Project Cost Estimate

Mainline					Tree (30' C/C)	Tree (30' C/C)	Tree (30' C/C)	Comments
Station	To	Station	Lanes	Length (FT)	Right	Middle	Left	
900		12000	5	11100	370	370	370	End Median
12000		13545	4	1545	52	52	52	
13545		16025	4	2480	83		83	
16025		18050	5	2025	68		68	
18050		19500	4	1450	49		49	
Local								
9800		10240	4	440	15		15	E 55th
400		1646	4	1246	42		42	Kinsman
9300		10225	2	925	31		31	E 79th
9200		10500	4	1300	44		44	Buckeye
9464		10610	4	1146	39		39	Woodland
9473		10500	2	1027	35		35	Quincy
Subtotals (ft or #)				24684	828	422	828	
Total (Miles or #)				4.675	2078			

Intersection Enhancement Quantities

Street	Intersection Enhancements (Crosswalk Treatments, Landscaping, etc.) Each
East 55th St Quadrant Roadway	1
Kinsman Rd	1
Quadrant Roadway	1
East 75th St	1
East 79th St	1
Buckeye Ave	1
Woodland Ave	1
East 93rd St	1
Quincy Ave	1
Cedar Ave	1
Carnegie Ave	1
Euclid Ave	1
Chester Ave	1
Totals	13

Opportunity Corridor Planning Level Project Cost Estimate

NO. 4 SEWER RELOCATION (BOWER) WORK ITEM	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
EX. SEWER REMOVAL (25-30 ft depth)	600	FT	\$50	\$30,000
NEW SEWER MANHOLES	4	EACH	\$10,000	\$40,000
NEW NO. 4 COMBINED SEWER LINE (25-30 ft depth)	900	FT	\$500	\$450,000
Pavement Restoration	1333	SQ YD	\$60	\$80,000
			Total=	\$600,000

Opportunity Corridor Planning Level Project Cost Estimate

NO. 3 SEWER RELOCATION (BRAGG/490) WORK ITEM	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
EX. SEWER REMOVAL (25-30 ft depth)	400	FT	\$50	\$20,000
NEW SEWER MANHOLES	2	EACH	\$10,000	\$20,000
NEW NO. 3 COMBINED SEWER LINE (25-30 ft depth)	400	FT	\$400	\$160,000
Pavement Restoration	100	SQ YD	\$60	\$6,000
			Total=	\$206,000

Opportunity Corridor Planning Level Project Cost Estimate

KINGSBURY RUN BRIDGE SEWER RELOCATION WORK ITEM	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
EX. 60" SEWER REMOVAL (open cut)	250	FT	\$40	\$10,000
EX. 60" SEWER abandonment	350	FT	\$100	\$35,000
EX. Manhole Removal	2	EACH	\$5,000	\$10,000
NEW DEEP MANHOLE	1	EACH	\$200,000	\$200,000
NEW 60" COMBINED SEWER LINE (open cut)	250	FT	\$650	\$162,500
NEW 60" COMBINED SEWER LINE (microtunnel)	350	FT	\$5,000	\$1,750,000
MAINTENANCE OF SEWER SERVICE DURING CONSTRUCTION	1	LUMP	\$25,000	\$25,000
ROADWAY RESTORATION	280	SQ YD	\$60	\$16,800
			Total=	\$2,209,300

Opportunity Corridor Planning Level Project Cost Estimate

REGULATOR S-10 RELOCATION (E.55TH) WORK ITEM	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
EX. 96" SEWER REMOVAL (25-30 ft depth)	300	FT	\$200	\$60,000
EX. 78" SEWER REMOVAL (25-30 ft depth)	300	FT	\$150	\$45,000
EX. Regulator Manhole Removal	1	EACH	\$35,000	\$35,000
NEW REGULATOR MANHOLE	1	EACH	\$200,000	\$200,000
NEW 96" COMBINED SEWER LINE (25-30 ft depth)	50	FT	\$700	\$35,000
NEW 78" COMBINED SEWER OVERFLOW (25-30 ft depth)	50	FT	\$500	\$25,000
NEW DRY WEATHER CONNECTION TO SANITARY	400	FT	\$400	\$160,000
NEW SANITARY MANHOLE ON DEEP SANITARY	1	EACH	\$35,000	\$35,000
MAINTENANCE OF SEWER SERVICE DURING CONSTRUCTION	1	LUMP	\$100,000	\$100,000
			Total=	\$695,000

Opportunity Corridor
Planning Level Project Cost Estimate

Mainline				Edge Line	Lane Line	Center Line	Signage	Comments
Station	To Station	Lanes	Length (FT)					
900	12000	5	11100	44400	33300		11100	
12000	13545	4	1545	6180	3090		1545	End Median
13545	16025	4	2480	4960	4960	2480	2480	
16025	18050	5	2025	4050	6075	2025	2025	
18050	19500	4	1450	2900	2900	1450	1450	
Local								
9800	10240	4	440		880	440	440	E 55th
400	1646	4	1246		2492	1246	1246	Kinsman
9300	10225	2	925			925	925	E 79th
9200	10500	4	1300		2600	1300	1300	Buckeye
9464	10610	4	1146		2292	1146	1146	Woodland
9473	10500	2	1027			1027	1027	Quincy
Subtotals (ft)			24684	62490	58589	12039	24684	
Total (Miles)			4.675	26			4.675	

Intersection Quantities

	Intersection Signalization
Street	Each
East 55th St Quadrant Roadway	1
Kinsman Rd	1
Quadrant Roadway	1
East 75th St	1
East 79th St	1
Buckeye Ave	1
Woodland Ave	1
East 93rd St	1
Quincy Ave	1
Cedar Ave	1
Carnegie Ave	1
Euclid Ave	1
Chester Ave	1
Totals	13

Opportunity Corridor
Planning Level Project Cost Estimate

Bridge Summary			
<i>West</i>			
New Bridge	Cost	Bridge Removal	Cost
OC under E. 55th	\$4,207,330.00		
Kinsman Road Over GCRTA Blue/Green (Bridge Widening)	\$3,984,550.00		
Kinsman Road Over GCRTA Red and NS (Re-Deck)	\$2,297,700.00		
OC over Kingsbury Run Valley and RTA Left & Right	\$13,983,300.00		
West Total	\$24,472,880.00	Total	\$0.00
<i>Central</i>			
New Bridge	Cost	Bridge Removal	Cost
OC over RTA Blue/Green Left & Right	\$11,162,600.00	0	\$0.00
OC under NS	\$12,305,425.00		
Central Total	\$23,468,025.00	Total	\$0.00
<i>East</i>			
New Bridge	Cost	Bridge Removal	Cost
OC over NS & RTA Redline	\$7,728,835.00	OC over NS & RTA	\$448,552.00
		E 89th over NS and RTA	\$2,228,546.00
East Total	\$7,728,835.00	Total	\$2,677,098.00
New Bridge Total	\$55,669,740.00	Bridge Removal Total	\$2,677,098.00

Opportunity Corridor
Planning Level Project Cost Estimate

New Bridges

	Unit	Cost
Bridge	Sq Ft	\$230.00
Sheeting	Sq Ft	\$25.00
Parapets	Feet	\$175.00
Approach Slabs	Sq Yd	\$225.00
RTA Agreement	Each	\$300,000.00
Railroad Agreement	Each	\$425,000.00
Temporary RTA Structure	Feet	\$2,200.00
Railroad Bridge Over Roadway	Sq Ft	\$800.00
New Track	Feet	\$175.00
Maintenance of Track	Feet	\$90.00
Track Removal	Feet	\$33.00
Temporary RR Bridge	Sq Ft	\$600.00
Bridge Widening	Sq Ft	\$300.00
Bridge Re-deck	Sq Ft	\$110.00

West Section

OC under E. 55th

Length =	136
Width	86
Spans	1
Approach Slab Length	25

	Unit	Calc	Cost
Bridge	Sq Ft	11696	\$2,690,080.00
Sheeting	Sq Ft	53784	\$1,344,600.00
Parapets	Feet	372	\$65,100.00
Approach Slabs	Sq Yd	478	\$107,550.00
RTA Agreement	Each	0	\$0.00
Railroad Agreement	Each	0	\$0.00
Temporary RTA Structure	Feet	0	\$0.00

		<hr style="border-top: 3px double #000;"/> \$4,207,330.00
Total		

Opportunity Corridor
Planning Level Project Cost Estimate

OC over Kingsbury Run Valley and RTA Left

Length = 565
Width 34
Spans 3
Approach Slab Length 25

	Unit	Calc	Cost
Bridge	Sq Ft	19210	\$4,418,300.00
Sheeting	Sq Ft	0	\$0.00
Parapets	Feet	1230	\$215,250.00
Approach Slabs	Sq Yd	189	\$42,525.00
RTA Agreement	Each	1	\$300,000.00
Railroad Agreement	Each	0	\$0.00
Temporary RTA Structure	Feet	475	\$1,045,000.00
<hr/> <hr/> Total			\$6,021,075.00

OC over Kingsbury Run Valley and RTA Right

Length = 540
Width 61
Spans 3
Approach Slab Length 25

	Unit	Calc	Cost
Bridge	Sq Ft	32940	\$7,576,200.00
Sheeting	Sq Ft	0	\$0.00
Parapets	Feet	1770	\$309,750.00
Approach Slabs	Sq Yd	339	\$76,275.00
RTA Agreement	Each	0	\$0.00
Railroad Agreement	Each	0	\$0.00
Temporary RTA Structure	Feet	0	\$0.00
<hr/> <hr/> Total			\$7,962,225.00

Opportunity Corridor
 Planning Level Project Cost Estimate

Kinsman Road Over GCRTA Blue/Green (Bridge Widening)

Length = 175
 Width 3' to 4' (Widened)
 Spans 4 (widened)
 Approach Slab Length 25

	Unit	Calc	Cost
Bridge Widening	Sq Ft	1250	\$375,000.00
Sheeting	Sq Ft	3000	\$75,000.00
Parapets	Feet	900	\$157,500.00
Approach Slabs	Sq Yd	378	\$85,050.00
RTA Agreement	Each	1	\$300,000.00
Railroad Agreement	Each	0	\$0.00
Temporary RTA Structure	Feet	800	\$1,760,000.00
Bridge Re-deck	Sq Ft	11200	\$1,232,000.00
Total			\$3,984,550.00

Kinsman Road Over GCRTA Red and NS (Re-Deck)

Length = 315
 Width 64

	Unit	Calc	Cost
Bridge Re-deck	Sq Ft	20160	\$2,217,600.00
Approach Slabs	Sq Yd	356	\$80,100.00
Total			\$2,297,700.00

Opportunity Corridor
Planning Level Project Cost Estimate

Central Section

OC over RTA Blue/Green Left

Length = 336
Width 40
Spans 2
Approach Slab Length 25

	Unit	Calc	Cost
Bridge	Sq Ft	13440	\$3,091,200.00
Sheeting	Sq Ft	0	\$0.00
Parapets	Feet	772	\$135,100.00
Approach Slabs	Sq Yd	222	\$50,000.00
RTA Agreement	Each	1	\$300,000.00
Railroad Agreement	Each	0	\$0.00
Temporary RTA Structure	Feet	1020	\$2,244,000.00
Total			\$5,820,300.00

OC over RTA Blue/Green Right

Length = 360
Width 61
Spans 2
Approach Slab Length 25

	Unit	Calc	Cost
Bridge	86	21960	\$5,050,800.00
Sheeting	1	0	\$0.00
Parapets	25	1230	\$215,250.00
Approach Slabs	Unit	339	\$76,250.00
RTA Agreement	Sq Ft	0	\$0.00
Railroad Agreement	Sq Ft	0	\$0.00
Temporary RTA Structure	Feet	0	\$0.00
Total	Total		\$5,342,300.00

Opportunity Corridor
Planning Level Project Cost Estimate

OC under NS

Length = 153
Width 72
Spans 2

	Unit	Calc	Cost
Bridge	Sq Ft		\$0.00
Sheeting	Sq Ft	4893	\$122,325.00
Parapets	Feet	612	\$107,100.00
Approach Slabs	Sq Yd	0	\$0.00
RTA Agreement	Each	0	\$0.00
Railroad Agreement	Each	1	\$425,000.00
Railroad Bridge Over Roadway	Sq Ft	11016	\$8,812,800.00
New Track	Feet	12650	\$2,213,750.00
Maintenance of Track	Feet	2300	\$207,000.00
Track Removal	Feet	12650	\$417,450.00
		Total	\$12,305,425.00

East Section

OC over NS & RTA Redline

Length = 227
Width 96
Spans 4
Approach Slab Length 30

	Unit	Calc	Cost
Bridge	Sq Ft	21792	\$5,012,160.00
Sheeting	Sq Ft	31800	\$795,000.00
Parapets	Feet	861	\$150,675.00
Approach Slabs	Sq Yd	640.00	\$144,000.00
RTA Agreement	Each	1	\$300,000.00
Railroad Agreement	Each	1	\$425,000.00
Temporary RTA Structure	Feet	410	\$902,000.00
		Total	\$7,728,835.00

Bridge Removals

	Unit	Cost
Complex Bridge Removal	Sq Ft	\$38.00
Temporary RTA Structure	Feet	\$2,200.00
RTA Agreement	Each	\$300,000.00
Railroad Agreement	Each	\$425,000.00

West Section

Central Section

East Section

OC over NS & RTA

Complex Bridge Removal	Sq Ft	11804	\$448,552.00	
Temporary RTA Structure	Feet		\$0.00	Cost in new bridge
RTA Agreement	Each	0	\$0.00	Cost in new bridge
Railroad Agreement	Each	0	\$0.00	Cost in new bridge

	Total	\$448,552.00
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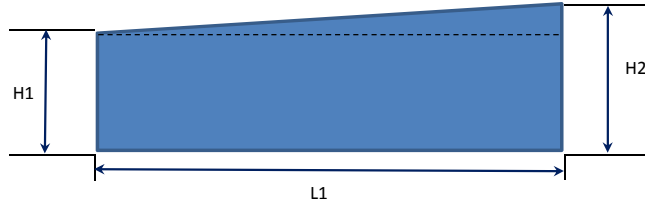
E 89th over NS and RTA

Complex Bridge Removal	Sq Ft	15067	\$572,546.00
Temporary RTA Structure	Feet	480	\$1,056,000.00
RTA Agreement	Each	1	\$300,000.00
Railroad Agreement	Each	1	\$300,000.00

	Total	\$2,228,546.00
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Opportunity Corridor Planning Level Project Cost Estimate

Retaining Wall Calculations East



Area = [0.5(H1 + H2)]X L1

Assume Buried Depth = 8 FT

Wall 10 - Rear abutment at O.C. over NS/GCRTA Redline

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
26.8	26.8	230	6164.00	684.89
		<u>230.00</u>	<u>6164.00</u>	<u>684.89</u>

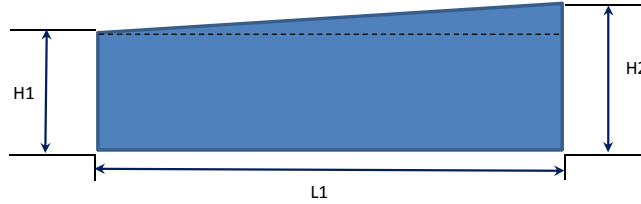
Wall 11 - Forward abutment at O.C. over NS/GCRTA Redline

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
38	38	246	9348.00	1038.67
38	22.2	32	963.20	107.02
22.2	8	50	755.00	83.89
		<u>50</u>	<u>11066.20</u>	<u>1229.58</u>

	L	Area (SQ FT)	Area (SQ YD)
East Totals	<u>280.00</u>	<u>17,230.20</u>	<u>1,914.47</u>

Opportunity Corridor Planning Level Project Cost Estimate

Retaining Wall Calculations Central



Area = [0.5(H1 + H2)]X L1

Assume Buried Depth = 8 FT

Wall 6 - Approach to O.C. over GCRTA Green/Blue Line

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	12	28	280.00	31.11
12	42	184	4968.00	552.00
42	35.1	56	2158.80	239.87
35.1	28.2	122	3861.30	429.03
28.2	35.5	82	2611.70	290.19
		472	13879.80	1542.20

Wall 7 - Trailing end to O.C. over GCRTA Green/Blue Line

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
39.8	39.8	52	2069.60	229.96
39.8	22.5	148	4610.20	512.24
45	45	81	3645.00	405.00
22.5	56.8	152	6026.80	669.64
56.8	20.6	100	3870.00	430.00
20.6	8	46	657.80	73.09
		579	20879.40	2319.93

Wall 8 - Northerly side NS over O.C.

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	17.8	40	516.00	57.33
17.8	23.2	200	4100.00	455.56
23.2	19.3	200	4250.00	472.22
19.3	8	44	600.60	66.73
		484	9466.60	1051.84

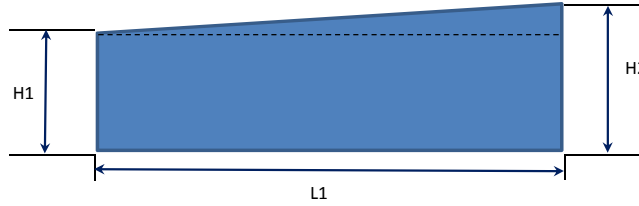
Wall 9 - Southerly side NS over O.C.

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	19.7	44	609.40	67.71
19.7	31.4	200	5110.00	567.78
31.4	20.9	200	5230.00	581.11
20.9	8	46	664.70	73.86
		490	11614.10	1290.46

	L	Area (SQ FT)	Area (SQ YD)
Central Totals	2025	55840	6204

Opportunity Corridor Planning Level Project Cost Estimate

Retaining Wall Calculations West



$$\text{Area} = [0.5(H1 + H2)] \times L1$$

Assume Buried Depth = 8 FT

Wall 1 - North side of O.C. Sta. 23+00 to Sta. 31+50 under E. 55th

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	25	50	825.00	91.67
25	28.3	550	14657.50	1628.61
28.3	28.9	300	8580.00	953.33
28.9	8	115	2121.75	235.75
		<u>965.00</u>	<u>26184.25</u>	<u>2909.36</u>

Wall 2 - South side of O.C. Sta. 21+00 to Sta. 31+00 under E. 55th

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	19.6	44	607.20	67.47
19.6	29.4	600	14700.00	1633.33
29.4	29.3	468	13735.80	1526.20
29.3	8	63	1174.95	130.55
		<u>1175</u>	<u>30217.95</u>	<u>3357.55</u>

Wall 3 - South side of E. 55th Ramp to O.C.

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	18.8	42	562.80	62.53
18.8	32.6	350	8995.00	999.44
32.6	18.9	780	20085.00	2231.67
18.9	0	42	396.90	44.10
		<u>1214</u>	<u>30039.70</u>	<u>3337.74</u>

Wall 4 - North side of O.C. approaching Kingsbury Bridge

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
8	9.8	24	213.60	23.73
9.8	29.5	325	6386.25	709.58
29.5	25.9	108	2991.60	332.40
25	25	50	1250.00	138.89
		<u>507</u>	<u>10841.45</u>	<u>1204.61</u>

Wall 5 - Median of O.C. approaching Kingsbury Bridge

H1	H2	L1	Area (SQ FT)	Area (SQ YD)
25	25	95	2375.00	263.89
		<u>95</u>	<u>2375.00</u>	<u>263.89</u>

	L	Area (SQ FT)	Area (SQ YD)
Totals	<u>3956</u>	<u>99658</u>	<u>11073</u>

Opportunity Corridor Planning Level Project Cost Estimate

Estimate of Potential Remediation Costs, Opportunity Corridor

In developing an estimated range of potential remediation costs associated with the Opportunity Corridor (OC), Matthew D. Knecht (President of HzW Environmental Consultants, LLC) prepared this document. Mr. Knecht is pre-qualified with the Ohio Department of Transportation (ODOT) for Remedial Design and Cost Estimating.

Background

In reviewing documents on file with HzW and provided by HNTB Ohio, Inc. (HNTB), it was determined that there are forty-two (42) sites with potential environmental concerns within the Recommended Preferred Alternative (RPA) for the OC. Of these sites, sixteen (16) have been subjected to the Phase I Environmental Site Assessment (ESA) process. A Phase II ESA was recommended at each of these sixteen (16) sites. At the remaining twenty-six (26) sites, Phase I ESAs were deferred until the RPA had been identified.

HzW also reviewed preliminary plan and profile drawings for the OC RPA. These drawings were used to determine areas of cut and fill activities associated with construction of the OC along the RPA.

Finally, HNTB has indicated that storm sewers will be installed along the length of the project corridor. HNTB indicated that this storm sewer is preliminarily anticipated to be installed via tunneling between Stations 45+00 and 87+00, and open cut excavations elsewhere.

Assumptions

As will be demonstrated below, certain assumptions were “tested” (i.e., modified) to arrive at an estimated range of potential remediation costs. The “worst case” assumptions for potential remedial costs were:

- Of the twenty-six (26) sites within the limits of the OC RPA where Phase I ESAs have yet to be performed, all 26 sites will require Phase II ESAs.
- The Phase II ESAs of both the sites for which Phase I ESAs are already complete **and** where Phase I ESAs have yet to be performed will indicate some level of environmental impact at all forty-two (42) sites with potential environmental concerns. **In other words, the worst case assumption is that all 42 sites with potential environmental concerns in the OC RPA will require remediation of contaminated soil.**
- Existing grades will not be modified significantly prior to initiation of construction except as discussed below between Stations 132+00 and 142+00.
- Existing plans for underpasses and overpasses will not change significantly from what was provided to HzW by HNTB.
- Open cuts for storm sewer excavations will average 10 feet deep and be between 5 and 7 feet wide and will encounter contaminated soils adjacent to those sites with environmental concerns.
- The predominant contaminants that will be encountered in soil will be petroleum, metals, and volatile organics (excluding “exotic contaminants”, such as radioactive materials) that have predictable soil excavation and disposal costs.
- No excavated soils from adjacent sites with environmental concerns will be re-used as fill **except** in storm sewer excavations where a certain percentage of the excavated material will be used as excavation backfill.

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Planning Level Project Cost Estimate

**Potential Remedial Cost Estimating, OC RPA
Page 2**

- Tunneling for storm sewers will not generate any soils that require management as “waste” given the depth of these soils below ground surface (and, thus, below sources of potential contamination due to human activities).

Environmental Roadway Earthwork Calculations

Stations	Depth of Cut	Length of Cut	Width of Cut	Total (ft ³)
0+00 – 27+00	No sites with potential environmental concern			
27+00 – 29+00	25 feet	200 feet	100 feet	500,000
29+00 – 61+00	No sites with potential environmental concern			
61+00 – 63+00	2 feet	200 feet	100 feet	40,000
63+00 – 85+00	No sites with potential environmental concern			
85+00 – 86+00	3 feet	100 feet	100 feet	30,000
86+00 – 87+00	7 feet	100 feet	100 feet	70,000
87+00 – 88+00	10 feet	100 feet	100 feet	100,000
88+00 – 89+00	15 feet	100 feet	100 feet	150,000
89+00 – 90+00	18 feet	100 feet	100 feet	180,000
90+00 – 91+00	20 feet	100 feet	100 feet	200,000
91+00 – 92+00	17 feet	100 feet	100 feet	170,000
92+00 – 93+00	11 feet	100 feet	100 feet	110,000
93+00 – 94+00	8 feet	100 feet	100 feet	80,000
94+00 – 104+00	No sites with potential environmental concern*			
104+00 – 115+00	2 feet (undercut)	1100 feet	100 feet	220,000
115+00 – 120+00	2 feet (undercut)	500 feet	100 feet	100,000
120+00 – 130+00	2 feet (undercut)	1000 feet	100 feet	200,000
130+00 – 142+50	2 feet (undercut)^	1250 feet	100 feet	250,000
142+50 – 151+00	Filling > 2 feet in this section			
151+00 – 153+50	No sites with potential environmental concern			
153+50 – 154+00	2 feet (undercut)	50 feet	25 feet (strip take)#	2,500
154+00 – 158+00	No sites with potential environmental concern			
158+00 – 159+00	2 feet (undercut)	100 feet	25 feet (strip take)#	5,000
159+00 – 161+00	No sites with potential environmental concern			
161+00 – 164+50	2 feet (undercut)	350 feet	25 feet (strip take)#	17,500
164+50 – 180+50	2 feet (undercut)	1600 feet	50 feet (strip take)@	160,000
180+50 – 188+00	2 feet (undercut)	750 feet	25 feet (strip take)#	37,500
188+00 – 189+50	2 feet (undercut)	150 feet	25 feet (strip take)#	7,500
189+50 – 196+00	No sites with potential environmental concern			

* - Ignores Miceli Dairy site, which will be cleaned up through Clean Ohio program

^ - Ignores stockpiled materials (assumed clean) between these stations

- One side East 105th Street right-of-way

@ - Both sides East 105th Street right-of-way

From the table above, the total cubic feet of potentially affected soil from anticipated grading on sites with an environmental concern is equal to 2,630,000. This number is manipulated in a later section for conversion to tons.

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Planning Level Project Cost Estimate

Potential Remedial Cost Estimating, OC RPA
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Storm Sewer Earthwork Calculations

Stations	Depth of Cut	Length of Cut	Width of Cut	Total (ft ³)
27+00 – 45+00	10 feet	1800 feet	5 feet	90,000
45+00 – 87+00	Tunneled section; no contaminated soils due to depth of tunneling			
87+00 – 98+00	10 feet	1100 feet	5 feet	55,000
98+00 – 104+60	No sites with potential environmental concern			
104+60 – 105+50	10 feet	90 feet	6 feet	5,400
105+50 – 108+75	No sites with potential environmental concern			
108+75 – 110+00	10 feet	125 feet	6 feet	7,500
110+00 – 143+50	10 feet	3350 feet	5 feet	167,500
143+50 – 147+00	Overpass; storm sewer either tunneled or not present in this area			
147+00 – 161+00	10 feet	700 feet*	5 feet	35,000
161+00 – 189+50	15 feet	2850 feet	7 feet	299,250
189+50 – 196+00	No sites with potential environmental concern			

* - This is the total frontage adjacent to sites with a potential environmental concern between these stations

From the table above, the total cubic feet of potentially affected soil from storm sewer excavations on or adjacent to sites with an environmental concern is equal to 659,650. This number is manipulated in a later section for conversion to tons.

Contaminated Groundwater Estimate

Calculating a volume of potentially contaminated groundwater that may be encountered through grade cuts, sewer excavation, and potential dewatering is complicated by a variety of factors:

- What is the groundwater contaminated with?
- Where (within the project limit proximal to sewers) is the contaminated groundwater encountered?
- Is the contaminated groundwater encountered in a grade cut, a sewer trench, or as part of dewatering?

Generally speaking, groundwater is present within the project corridor at depths of 14-20 feet (there are obviously exceptions to this statement, which is based upon Mr. Knecht’s experience at several of the sites near the OC RPA). Some of the deeper wide grade cuts (for underpasses) would be anticipated to encounter groundwater. Similarly, some of the excavation trenches for storm sewers would be anticipated to encounter groundwater, although trenches are considerably narrower than wide grade cuts for roads. **Assuming no continuous dewatering**, it is Mr. Knecht’s expectation that the potential for encountering contaminated groundwater would only occur between Stations 27+00 and 29+00 and 88+00 and 92+00 for grade cuts, and between Stations 27+00 and 29+00 and 87+00 and 98+00 in storm sewer trenches. If one assumes a 100 foot width for roadway grade cuts, and a total length of roadway grade cuts of 600 feet (the sum of the distances between Stations 27+00 and 29+00 plus Stations 88+00 and 92+00), the total area of grade cuts for roadways potentially below the groundwater interface is 60,000 square feet, or 1.38 acres. If one then assumes an *average potential* depth of groundwater in these grade cuts of 3.33 feet, the estimated volume of water is 4.6 acre feet. This equates to (slightly less) than 1.5 million gallons of water that may require management **on a one time basis**. The convention for prolonged projects is to multiply this volume by a factor of 25 (or up to 100 or more for extended

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Potential Remedial Cost Estimating, OC RPA
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continuous dewatering projects). Thus, approximately 37.5 million gallons of water may require management as part of grade cuts (and, potentially considerably more if the instance of continuous dewatering). For general reference, this is approximately equal to what the City of Cleveland Division of Water pumps from Lake Erie in a 36-hour period.

Groundwater management associated with storm sewer cuts is somewhat easier to estimate given the finite width of a trench and the general shorter duration of construction. Between the affected stations is approximately 1300 feet of length, and an average width of 6 feet (0.18 acres of total area). Again, assuming of 10 feet of water in these trenches (since these affected trench cuts coincide with deeper grade cuts), the estimated volume of water is 1.8 acre feet, or 585,000 gallons **on a one time basis**. The convention for shorter term construction projects is to multiply this value by a factor of 10 (again, considerably higher factors are assigned for extended continuous dewatering), or an estimated 5.85 million gallons of groundwater that may require management.

Calculation of Estimated Potential Tons and Gallons of Contaminated Materials

This section converts the volume of soil anticipated to be excavated either during grading or storm sewer installation into tons, and modifies this tonnage based upon the following factors:

1. It is unlikely that soils excavated during grading will be affected to depths of greater than 10 feet based upon the past activities of humans. On many brownfield sites, contamination is limited to surficial soils, and rarely extends below a depth of 10 feet (unless the releases are related to underground storage tanks) given either the attenuation of contaminants as they move through the soil column, or the presence of the groundwater interface. Thus, this section modifies the total tonnage from grading activities to take this consideration into account.
2. In some areas where open cut storm sewers are anticipated, the preliminary profiles call for filling to final grade. Thus, this section modifies the total tonnage from storm sewer activities to take current grade into consideration, thereby modifying the depth of the storm sewer excavation.
3. Certain materials from storm sewer excavations may be replaced into the excavation. For the purposes of this section, the quantity or proportion of materials that would be placed back into the storm sewer excavation was estimated at 25 percent.

Environmental Grading Conversion

Stations	Total ft ³	Pounds (at 110 lbs/ft ³)	Tons (pounds/2000)	Conversion Factor for Excavation > 10 feet	Calculated Tonnage
27+00 – 29+00	500,000	5.5E+07	27,500	0.4	11,000
61+00 – 63+00	40,000	4.4E+06	2,200	1.0	2,200
85+00 – 86+00	30,000	3.3E+06	1,650	1.0	1,650
86+00 – 87+00	70,000	7.7E+06	3,850	1.0	3,850
87+00 – 88+00	100,000	1.1E+07	5,500	1.0	5,500
88+00 – 89+00	150,000	1.65E+07	8,250	0.67	5,500
89+00 – 90+00	180,000	1.98E+07	9,900	0.55	5,500
90+00 – 91+00	200,000	2.2E+07	11,000	0.50	5,500
91+00 – 92+00	170,000	1.87E+07	9,350	0.59	5,500

Opportunity Corridor
Planning Level Project Cost Estimate

Potential Remedial Cost Estimating, OC RPA
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Stations	Total ft ³	Pounds (at 110 lbs/ft ³)	Tons (pounds/2000)	Conversion Factor for Excavation > 10 feet	Calculated Tonnage
92+00 – 93+00	110,000	1.21E+07	6,050	0.91	5,500
93+00 – 94+00	80,000	8.8E+06	4,400	1.0	4,400
104+00 – 115+00	220,000	2.42E+07	12,100	1.0	12,100
115+00 – 120+00	100,000	1.1E+07	5,500	1.0	5,500
120+00 – 130+00	200,000	2.2E+07	11,000	1.0	11,000
130+00 – 142+50	250,000	8.39E+07	42,000	1.0	13,750
153+50 – 154+00	2,500	2.75E+05	140	1.0	140
158+00 – 159+00	5,000	5.5E+05	275	1.0	275
161+00 – 164+50	17,500	1.93E+06	965	1.0	965
164+50 – 180+50	160,000	1.76E+07	8,800	1.0	8,800
180+50 – 188+00	37,500	4.13E+06	2,065	1.0	2,065
188+00 – 189+50	7,500	8.25E+05	415	1.0	415
Total:					111,110 Tons

Storm Sewer Excavation Conversion

Stations	Total ft ³	Pounds (at 110 lbs/ft ³)	Tons (pounds/2000)	Conversion Factor for Existing Grade being Below Projected Final Grade & 25% Reuse	Calculated Tonnage
27+00 – 45+00	90,000	9.9E+06	4,950	0.75	3,715
87+00 – 98+00	55,000	6.05E+06	3,025	0.75	2,270
104+60 – 105+50	5,400	5.94E+05	300	0.75	225
108+75 – 110+00	7,500	8.25E+05	412.5	0.58	240
110+00 – 143+50	167,500	1.84E+07	9,215	0.75	6,910
147+00 – 161+00	35,000	3.85E+06	1,925	0.69	1,330
161+00 – 189+50	299,250	3.29E+07	16,460	0.645	10,645
Total:					25,335 Tons

Remedial Cost Estimating

All remedial cost estimates are best expressed in terms of a range based upon probable outcomes. The total estimated tonnage for environmental work (the sum of the environmental grading/excavation tonnage and the storm sewer excavation tonnage) is 136,445 tons of *potentially* contaminated material to be excavated from sites with environmental concerns in the RPA for the OC. With regard to potentially contaminated groundwater, the calculations provided above indicate a rounded median volume range of 43.4 million gallons of water that may require management.

Soils

A true “worst case” estimate would be to assume that this entire tonnage of material and volume of groundwater requires management as a regulated material, while a true “best case” estimate would be to assume that none of this material will require management as a regulated material. While both extreme outcomes are “possible”, neither is “probable”.

Potential Remedial Cost Estimating, OC RPA

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The attached table provides the evaluation rationale for converting the estimated total tonnage and volumes of *potentially* contaminated environmental materials to a remedial cost estimate range based upon probability of outcome, using standard conventions in cost estimating software. From the attached spreadsheet, the following becomes apparent:

- The “base cost” to excavate the 136,445 tons of soil on sites with potential environmental concerns is \$1,023,337.50, assuming \$7.50/ton. **This cost will be realized even if the materials are non-regulated materials, and thus is considered a “carrying cost” unrelated to the incremental additional cost associated with potential contaminants. The spreadsheet in the attachment subtracts these excavation costs from the gross remedial cost estimate to arrive at the incremental additional costs associated with contaminated materials.**
- Looking at the “realistic worst case” and “realistic best case” values from the spreadsheet, it is apparent that remedial costs are bracketed between \$750,447.50 (best case) and \$9,141,815.00 (worst case). Neither of these “extreme” scenarios is considered a probable outcome (probability of both outcomes equals one percent), yet both outcomes are considered “possible”.
- If one looks at outcomes with a probability of ten percent or greater (there are five), the incremental additional costs associated with the management of contaminated materials are more closely bracketed between \$1,688,506.88 and \$3,752,237.50. This means that there is a 50 percent probability that the total estimated cost for managing contaminated soils will fall somewhere in this range. The rounded median cost within this range is \$2,720,000.00. This value, from a cost estimating standpoint, is considered the “most likely” estimate of remedial costs, although, again, any value between the realistic best case and realistic worst case estimates would be considered a “possible” outcome.

The convention in environmental cost estimating is to apply a contingency to the rounded median value (the “most likely” estimate) of -20%/+50%. Thus, the estimated range of probable remedial costs associated with the management of contaminated soils is *best expressed* (statistically) as \$2,176,000.00 - \$4,080,000.00, with a median value of \$2,720,000.00.

Groundwater

The attached table also provides the evaluation rationale for managing the total volume of *potentially* contaminated groundwater to a remedial cost estimate range based upon probability of outcome, using standard conventions in cost estimating software. From the attached spreadsheet, the following becomes apparent:

- The “base cost” to physically pump 43.4 million gallons of water is \$130,200.00, based upon a fuel cost of \$0.003 per gallon. As above, this cost is considered a “carrying cost” unrelated to the incremental additional costs to manage the water via a regulated mechanism, and is subtracted for the gross remedial cost estimate to arrive at the incremental additional costs associated with contaminated groundwater.
- The “realistic worst case” value from the spreadsheet (one percent probability of outcome) is \$3,059,700.00. This “extreme” scenario is not considered a “probable” outcome, yet is considered possible.

Potential Remedial Cost Estimating, OC RPA

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- There is no “realistic best case” value expressed, since there is a reasonable probability (ten percent) that all water pumped from excavations may be managed through the most cost effective means (i.e., the municipal sanitary sewer system). Simply stated, this means that the “realistic best case” is a probable outcome, and thus ceases to be a “best case scenario”.
- If one looks at outcomes with a probability of ten percent or greater (there are seven), the incremental additional costs associated with the management of contaminated groundwater are bracketed between \$412,300.00 and \$1,074,150.00. This means that there is a 70 percent probability that the total estimated cost for managing contaminated groundwater will fall somewhere in this range. The rounded median cost within this range is \$745,000.00. This value, from a cost estimating standpoint, is considered the “most likely” estimate of remedial costs for groundwater, although, again, any value up to \$3,059,700.00 would be considered a “possible” outcome.

As above, the convention in environmental cost estimating is to apply a contingency to the rounded median value (the “most likely” estimate) of -20%/+50%. Thus, the estimated range of probable remedial costs associated with the management of contaminated groundwater is *best expressed* (statistically) as \$596,000.00 - \$1,117,500.00, with a median value of \$745,000.00.

Opportunity Corridor
 Planning Level Project Cost Estimate

NB2: South side of OC Mainline Between 71st Place and 75th Street

Feasibility Criteria

Provides a minimum 5 dB(A) reduction for 40% of the impacted receptors.

Reasonability Criteria

Noise reduction design goal = At least 7 dB(A) for one benefited receptor.

Benefited receptor = Noise reduction of at least 5 dB(A).

Reasonable Cost per Dwelling Unit less than or equal to \$35,000 per benefited receptor.

Noise Barrier 2						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N24	Frederick Clemmons/2796 E 73rd St	3	63.7	56.3	-7.4	
N25	Jeanette Dawson/2798 E 73rd St	1	60.6	56.3	-4.3	
N26	Hilda Phillips/2804 E 73rd St	1	59.6	56.0	-3.6	
N27	Rosalyn Mcollom/2787 E 73rd St	2	67.4	56.0	-11.4	
N28	Pleasant Properties, LP/2791 E 73rd St	1	64.0	56.1	-7.9	
N29	Pleasant Properties, LP/2795 E 73rd St	1	60.9	56.2	-4.7	
N30	Pleasant Properties, LP/2799 E 73rd St	1	59.4	55.8	-3.6	
N31	Darryl Powell/2805 E 73rd St	1	58.7	55.5	-3.2	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction		100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes	
Reasonability						
Number of receptors with at least 7 dB(A) reduction		6	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes	
609	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		Yes		
15	Height, ft					
9,136	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$228,400	Cost of noise barrier					
7	benefited receptors					
\$32,629	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?						Yes

Noise Barrier 2						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N24	Frederick Clemmons/2796 E 73rd St	3	63.7	57.1	-6.6	
N25	Jeanette Dawson/2798 E 73rd St	1	60.6	56.5	-4.1	
N26	Hilda Phillips/2804 E 73rd St	1	59.6	56.2	-3.4	
N27	Rosalyn Mcollom/2787 E 73rd St	2	67.4	57.0	-10.4	
N28	Pleasant Properties, LP/2791 E 73rd St	1	64.0	56.7	-7.3	
N29	Pleasant Properties, LP/2795 E 73rd St	1	60.9	56.5	-4.4	
N30	Pleasant Properties, LP/2799 E 73rd St	1	59.4	56.1	-3.3	
N31	Darryl Powell/2805 E 73rd St	1	58.7	55.7	-3.0	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction		100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes	
Reasonability						
Number of receptors with at least 7 dB(A) reduction		6	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes	
609	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		Yes		
11 - 14	Height, ft					
7,580	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$189,500	Cost of noise barrier					
6	benefited receptors					
\$31,583	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?						Yes

Opportunity Corridor
 Opportunity Corridor Noise Barrier Analysis
 Planning Level Project Cost Estimate

NB3: North side of OC Mainline Between eastern edge of Bridge Over the GCRTA Blue and Green Track Lines and 75th Street

Feasibility Criteria

Provides a minimum 5 dB(A) reduction for 40% of the impacted receptors.

Reasonability Criteria

Noise reduction design goal = At least 7 dB(A) for one benefited receptor.

Benefited receptor = Noise reduction of at least 5 dB(A).

Reasonable Cost per Dwelling Unit less than or equal to \$35,000 per benefited receptor.

Noise Barrier 3						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N34	Dorothy Perryman/7024 Grand Ave	2	65.3	53.9	-11.4	
N35	Catherine Morris/7102 Grand Ave	4	66.9	54.3	-12.6	
N36	Phyllis McKinney/7202 Grand Ave	1	67.3	54.9	-12.4	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction	100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes		
Reasonability						
Number of receptors with at least 7 dB(A) reduction	7	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes		
943	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		No		
15	Height, ft					
14,138	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$353,450	Cost of noise barrier					
7	benefited receptors					
\$50,493	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?				N/A		

Noise Barrier 3						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N34	Dorothy Perryman/7024 Grand Ave	2	65.3	56.4	-8.9	
N35	Catherine Morris/7102 Grand Ave	4	66.9	56.6	-10.3	
N36	Phyllis McKinney/7202 Grand Ave	1	67.3	58.4	-8.9	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction	100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes		
Reasonability						
Number of receptors with at least 7 dB(A) reduction	7	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes		
540	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		Yes		
13	Height, ft					
7,020	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$175,500	Cost of noise barrier					
7	benefited receptors					
\$25,071	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?				Yes		

Opportunity Corridor
 Opportunity Corridor Noise Barrier Analysis
 Planning Level Project Cost Estimate

NB4: North side of OC Mainline Between Evins Avenue and Buckeye Road

Feasibility Criteria

Provides a minimum 5 dB(A) reduction for 40% of the impacted receptors.

Reasonability Criteria

Noise reduction design goal = At least 7 dB(A) for one benefited receptor.

Benefited receptor = Noise reduction of at least 5 dB(A).

Reasonable Cost per Dwelling Unit less than or equal to \$35,000 per benefited receptor.

Noise Barrier 4						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N50	Twilla Hughley/2680 Grand Ave John Wynder/2678 Grand Ave	4	65.5	56.9	-8.6	
N51	Diane Cobb/2672 Grand Ave Cuyahoga County Land Reutilization Corp/2668 Grand Ave	2	64.1	57.1	-7.0	
N52	Christopher Scott/2658 Grand Ave	2	63.0	59.8	-3.2	
N53	CLI Construction, INC./2661 Grand Ave	2	69.1	59.6	-9.5	
N54	People of the Way Ministry/8634 Buckeye Rd	7	67.5	60.3	-7.2	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction	100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes		
Reasonability						
Number of receptors with at least 7 dB(A) reduction	15	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes		
829	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		Yes		
15	Height, ft					
12,441	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$311,025	Cost of noise barrier					
15	benefited receptors					
\$20,735	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?				Yes		

Noise Barrier 4						
Active Receivers	Owner/Address	Dwelling Units	w/o Barrier	w/ Barrier	Delta	
N50	Twilla Hughley/2680 Grand Ave John Wynder/2678 Grand Ave	4	65.5	58.7	-6.8	
N51	Diane Cobb/2672 Grand Ave Cuyahoga County Land Reutilization Corp/2668 Grand Ave	2	64.1	58.3	-5.8	
N52	Christopher Scott/2658 Grand Ave	2	63.0	60.6	-2.4	
N53	CLI Construction, INC./2661 Grand Ave	2	69.1	60.8	-8.3	
N54	People of the Way Ministry/8634 Buckeye Rd	7	67.5	61.9	-5.6	
Feasibility						
% of impacted receptors with at least 5 dB(A) reduction	100%	Do 40% of impacted receptors receive 5 dB(A) reduction or more?		Yes		
Reasonability						
Number of receptors with at least 7 dB(A) reduction	6	Does at least one benefited receptor receive 7 dB(A) reduction or more?		Yes		
500	Length, ft	Is the 'Reasonable Cost per Dwelling Unit' less than or equal to \$35,000 per benefited receptor receiving a minimum reduction of 5 dB(A) in the predicted noise level?		Yes		
13	Height, ft					
6,497	Area, sq ft					
\$25	Noise Barrier Cost per sq ft					
\$162,425	Cost of noise barrier					
15	benefited receptors					
\$10,828	Cost per benefited receptors					
Other Considerations						
Does this design pass the TNM Line of Sight?				Yes		

Opportunity Corridor Planning Level Project Cost Estimate

Map ID	Pct ID	Owner's Name	Rec Area	WD	Temp	Est S&E	WD	Site Improvts	Damages	Total Taking	Temp Value	Total	Use	Notes	Take Type
1	12315055	Greater Cleveland Regional	329	871	\$ 2.00	\$ 784.08	\$ 11,640.00	\$ -	\$ -	\$ 12,424.08	\$ 348.48	\$ 12,772.56	Industrial		Partial
2	12315053	CSM Horvath Realty LLC	63,162	6,229	\$ 2.00	\$ 3,223.44	\$ 3,900.00	\$ -	\$ -	\$ 7,123.44	\$ 2,491.63	\$ 9,615.07	Industrial		Partial
3	12502001	Greater Cleveland Regional Transit Authority	27,000	4,000	\$ 2.00	\$ 8,799.12	\$ 8,000.00	\$ -	\$ -	\$ 16,799.12	\$ 9,130.18	\$ 25,929.30	Industrial		Partial
4	12502002	IMMO Realty LLC	56,114	5,614	\$ 2.00	\$ 112,228.00	\$ 59,000.00	\$ -	\$ -	\$ 171,228.00	\$ -	\$ 171,228.00	Industrial		Total
5	12502047	Baur, George	3,000	1,263	\$ 2.00	\$ 2,526.48	\$ -	\$ -	\$ -	\$ 2,526.48	\$ -	\$ 2,526.48	Residential		Partial
6	12502143	Martani Alfred	2,970	2,970	\$ 2.00	\$ 29,700.00	\$ 11,300.00	\$ -	\$ -	\$ 41,000.00	\$ -	\$ 41,000.00	Commercial		Total
7	12502048	Baur, George	3,000	1,481	\$ 2.00	\$ 2,962.08	\$ -	\$ -	\$ -	\$ 2,962.08	\$ -	\$ 2,962.08	Residential		Partial
8	12502140	Gonzalez Javier & Julissa	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 29,100.00	\$ -	\$ -	\$ 37,100.00	\$ -	\$ 37,100.00	Residential		Total
9	12502142	Epler, George	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 11,900.00	\$ -	\$ -	\$ 19,900.00	\$ -	\$ 19,900.00	Residential		Total
10	12502141	Reid Jennifer E.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 21,600.00	\$ -	\$ -	\$ 29,600.00	\$ -	\$ 29,600.00	Residential		Total
11	12502139	Gardner Markita	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 1,700.00	\$ -	\$ -	\$ 9,700.00	\$ -	\$ 9,700.00	Residential		Total
12	12502138	IMMO Realty LLC	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 12,500.00	\$ -	\$ -	\$ 20,500.00	\$ -	\$ 20,500.00	Residential		Total
13	12502136	Nearce Donny R.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 13,000.00	\$ -	\$ -	\$ 21,000.00	\$ -	\$ 21,000.00	Residential		Total
14	12502144	Martani Richard A.	2,970	2,970	\$ 2.00	\$ 29,700.00	\$ -	\$ -	\$ -	\$ 29,700.00	\$ -	\$ 29,700.00	Commercial		Total
15	12502137	Champion Darnell	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ -	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00	Residential		Total
16	12502049	Greater Cleveland Regional Transit Authority	3,000	1,699	\$ 2.00	\$ 3,397.68	\$ 32,600.00	\$ -	\$ -	\$ 35,997.68	\$ -	\$ 35,997.68	Residential		Partial
17	12502145	Biennas Kenneth G.	2,970	2,970	\$ 2.00	\$ 29,700.00	\$ 17,900.00	\$ -	\$ -	\$ 47,600.00	\$ -	\$ 47,600.00	Commercial		Total
18	12502050	Greater Cleveland Regional Transit Authority	3,500	2,265	\$ 2.00	\$ 4,530.24	\$ -	\$ -	\$ -	\$ 4,530.24	\$ -	\$ 4,530.24	Commercial		Partial
19	12502051	Brozka Rita	3,500	3,500	\$ 2.00	\$ 7,000.00	\$ 24,300.00	\$ -	\$ -	\$ 31,300.00	\$ -	\$ 31,300.00	Residential		Total
20	12502046	Quise Bisnar A.	3,200	3,200	\$ 2.00	\$ 6,400.00	\$ 26,900.00	\$ -	\$ -	\$ 33,300.00	\$ -	\$ 33,300.00	Residential		Total
21	12502052	Bina Antoinette M.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 24,500.00	\$ -	\$ -	\$ 32,500.00	\$ -	\$ 32,500.00	Residential		Total
22	12502104	James Marianne G.	2,900	2,178	\$ 2.00	\$ 4,356.00	\$ 24,700.00	\$ -	\$ -	\$ 29,056.00	\$ -	\$ 29,056.00	Commercial		Total
23	12502099	Chimileski Marlene	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 24,100.00	\$ -	\$ -	\$ 32,100.00	\$ -	\$ 32,100.00	Residential		Total
24	12502098	Gonzalez Beatris	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 60,700.00	\$ -	\$ -	\$ 68,700.00	\$ -	\$ 68,700.00	Residential		Total
25	12502100	Kotmel Kenneth J. & Deborah A.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 9,500.00	\$ -	\$ -	\$ 17,500.00	\$ -	\$ 17,500.00	Residential		Total
26	12502101	Kelsey Norbert J. & Mary A.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 25,400.00	\$ -	\$ -	\$ 33,400.00	\$ -	\$ 33,400.00	Residential		Total
27	12502102	Telez Chester A.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 11,300.00	\$ -	\$ -	\$ 19,300.00	\$ -	\$ 19,300.00	Residential		Total
28	12502103	Alexander Kimula	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 59,300.00	\$ -	\$ -	\$ 67,300.00	\$ -	\$ 67,300.00	Commercial		Total
29	12502045	FB E Inc.	3,200	3,200	\$ 2.00	\$ 6,400.00	\$ -	\$ -	\$ -	\$ 6,400.00	\$ -	\$ 6,400.00	Residential		Total
30	12502053	Brace William	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ -	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00	Residential		Total
31	12502156	Talley Marvienne S.	2,900	2,900	\$ 2.00	\$ 29,000.00	\$ 25,400.00	\$ -	\$ -	\$ 54,400.00	\$ -	\$ 54,400.00	Commercial		Total
32	12502044	Taupieka Ronald	3,200	3,200	\$ 2.00	\$ 6,400.00	\$ 20,200.00	\$ -	\$ -	\$ 26,600.00	\$ -	\$ 26,600.00	Residential		Total
33	12502054	Homenverdes, Inc.	3,500	3,500	\$ 2.00	\$ 7,000.00	\$ 40,800.00	\$ -	\$ -	\$ 47,800.00	\$ -	\$ 47,800.00	Residential		Total
34	12502146	Telez John P.	4,050	4,050	\$ 2.00	\$ 40,500.00	\$ 21,500.00	\$ -	\$ -	\$ 62,000.00	\$ -	\$ 62,000.00	Commercial		Total
35	12502043	Miller Ronnie 1/2	3,200	3,200	\$ 2.00	\$ 6,400.00	\$ 11,700.00	\$ -	\$ -	\$ 18,100.00	\$ -	\$ 18,100.00	Residential		Total
36	12502055	FBE, Inc.	3,500	3,500	\$ 2.00	\$ 7,000.00	\$ -	\$ -	\$ -	\$ 7,000.00	\$ -	\$ 7,000.00	Residential		Total
37	12502095	Woodard Natalie	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 35,000.00	\$ -	\$ -	\$ 43,000.00	\$ -	\$ 43,000.00	Residential		Total
38	12502096	Davis Jr. Edmond	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 57,800.00	\$ -	\$ -	\$ 65,800.00	\$ -	\$ 65,800.00	Residential		Total
39	12502097	Arzeneaux Susan M.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 29,100.00	\$ -	\$ -	\$ 37,100.00	\$ -	\$ 37,100.00	Residential		Total
40	12502093	Cleve Hour Net Ltd Part Xv	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 19,200.00	\$ -	\$ -	\$ 27,200.00	\$ -	\$ 27,200.00	Residential		Total
41	12502094	Walton Wevette D.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 52,200.00	\$ -	\$ -	\$ 60,200.00	\$ -	\$ 60,200.00	Residential		Total
42	12502042	Chapman Andre B.	3,200	3,200	\$ 2.00	\$ 6,400.00	\$ 28,300.00	\$ -	\$ -	\$ 34,700.00	\$ -	\$ 34,700.00	Residential		Total
43	12502147	Malkrzak Timothy	5,050	5,050	\$ 2.00	\$ 10,100.00	\$ 8,225.00	\$ -	\$ -	\$ 18,325.00	\$ -	\$ 18,325.00	Residential		Partial
44	12502057	Green Kim	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 30,000.00	\$ -	\$ -	\$ 38,000.00	\$ -	\$ 38,000.00	Residential		Total
45	12502058	Nowak Thomas E. 2/7	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ -	\$ -	\$ -	\$ 8,000.00	\$ -	\$ 8,000.00	Residential		Total
46	12502059	Bowman Pamela A.	4,000	4,000	\$ 2.00	\$ 8,000.00	\$ 16,300.00	\$ -	\$ -	\$ 24,300.00	\$ -	\$ 24,300.00	Residential		Total
47	12502051	Wallace Carl Jr.	14,400	14,593	\$ 2.00	\$ 29,185.20	\$ 16,300.00	\$ -	\$ -	\$ 45,485.20	\$ -	\$ 45,485.20	Residential		Total
50	12501001	Shaker Heights City of	398,051	52,490	\$ 2.00	\$ 104,979.60	\$ 26,100.00	\$ -	\$ -	\$ 131,079.60	\$ 19,811.09	\$ 150,890.69	Res/Com/Ind		Total
51	12412101	Shaker Heights City of	398,051	52,490	\$ 2.00	\$ 104,979.60	\$ 26,100.00	\$ -	\$ -	\$ 131,079.60	\$ 19,811.09	\$ 150,890.69	Res/Com/Ind		Partial
52	12501053	Simmons Jackie L.	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 23,100.00	\$ -	\$ -	\$ 29,100.00	\$ -	\$ 29,100.00	Residential		Total
53	12501052	Fannie Mae	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ -	\$ -	\$ -	\$ 6,000.00	\$ -	\$ 6,000.00	Residential		Total
54	12501054	Oul Building LLC	0	871	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 348.48	\$ 348.48			Partial
55	12501051	Kerper Home Heating	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 31,800.00	\$ -	\$ -	\$ 37,800.00	\$ -	\$ 37,800.00	Residential		Total
57	12501050	Hairston Joyce M.	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 21,400.00	\$ -	\$ -	\$ 27,400.00	\$ -	\$ 27,400.00	Residential		Total
58	12501049	Hairston Joyce M.	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ -	\$ -	\$ -	\$ 6,000.00	\$ -	\$ 6,000.00	Residential		Total
59	12501047	Fisher Ralph S.	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 18,000.00	\$ -	\$ -	\$ 24,000.00	\$ -	\$ 24,000.00	Residential		Total
60	12501047	REO Solutions USA, Inc.	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 24,400.00	\$ -	\$ -	\$ 30,400.00	\$ -	\$ 30,400.00	Residential		Total
61	12501046	Roland Queenie	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 25,700.00	\$ -	\$ -	\$ 31,700.00	\$ -	\$ 31,700.00	Residential		Total
62	12501045	First National Mortgage Association	3,000	3,000	\$ 2.00	\$ 6,000.00	\$ 10,500.00	\$ -	\$ -	\$ 16,500.00	\$ -	\$ 16,500.00	Residential		Total
63	12501044	Cook Abraham	5,300	5,300	\$ 2.00	\$ 10,600.00	\$ 16,200.00	\$ -	\$ -	\$ 26,800.00	\$ -	\$ 26,800.00	Residential		Total
64	12501041	Cleveland Hsg. Network	4,960	4,960	\$ 2.00	\$ 9,920.00	\$ 30,600.00	\$ -	\$ -	\$ 40,520.00	\$ -	\$ 40,520.00	Residential		Total
65	12501041	Hoy Sylvia R.	4,960	4,960	\$ 2.00	\$ 9,920.00	\$ 14,840.00	\$ -	\$ -	\$ 24,760.00	\$ -	\$ 24,760.00	Residential		Total
66	12501039	Donovan, Duane & Mechling, Joy	4,960	4,960	\$ 2.00	\$ 9,920.00	\$ -	\$ -	\$ -	\$ 9,920.00	\$ -	\$ 9,920.00	Residential		Total
67	12501038	Bruckner Irene	4,960	4,960	\$ 2.00	\$ 9,920.00	\$ 14,840.00	\$ -	\$ -	\$ 24,760.00	\$ -	\$ 24,760.00	Residential		Total
68	12421007	Shaker Heights City of	86,684	2,909	\$ 2.00	\$ 4,617.36	\$ -	\$ -	\$ -	\$ 4,617.36	\$ -	\$ 4,617.36	Industrial		Partial
69	12517001	Harris Joel	7,134	7,134	\$ 2.00	\$ 14,268.00	\$ -	\$ -	\$ -	\$ 14,268.00	\$ -	\$ 14,268.00	Residential		Total

Opportunity Corridor Planning Level Project Cost Estimate

Map ID	Pct. H	Owner's Name	Rec. Area	WD	Temp.	Est. S/E	WD	Site Improvts.	Damages	Total Taking	Temp. Value	Total	Use	Notes	Take Type
70	12517022	Swift Brunette	8,000	0	2.00	16,000.00	2,300.00	-	-	18,300.00	-	18,300.00	Residential		Total
71	12517003	Prots William	8,000	0	2.00	16,000.00	14,000.00	-	-	30,000.00	-	30,000.00	Residential		Total
72	12517040	Harris Bessie	2,800	2,800	0	5,600.00	19,600.00	-	-	25,200.00	-	25,200.00	Residential		Total
74	12517039	Muwakkil Muslimah	2,800	2,800	0	5,600.00	-	-	-	5,600.00	-	5,600.00	Residential		Total
77	12517038	Greater Philip Leonard & Love	2,640	2,640	0	5,280.00	15,500.00	-	-	20,900.00	-	20,900.00	Residential		Total
78	12513001	Greater Cleveland RTA	653,400	72,440	0	144,880.56	-	-	-	144,880.56	-	144,880.56	Industrial	railway spur???	Total
81	12517037	Fort John	3,760	3,760	0	7,405.20	-	-	-	7,405.20	-	7,405.20	Residential		Total
91	12517022	Sanders Juanita	8,056	8,056	0	16,112.00	-	-	-	16,112.00	-	16,112.00	Residential		Total
97	12517046	McCrew Drene	4,880	566	741	1,132.56	-	-	-	1,132.56	296.21	1,428.77	Residential		Partial
103	12517048	Moore Cassel	4,800	479	828	958.32	-	-	-	958.32	331.06	1,289.38	Residential		Partial
104	12420011	Norfolk & Western Railway Co.	7,492	7,492	0	14,984.64	-	-	-	14,984.64	-	14,984.64	Residential		Total
105	12517050	Cassell Moore	7,800	915	1,612	1,829.52	-	-	-	1,829.52	644.69	2,474.21	Residential		Partial
107	12425029	Ervin Kadell C	2,520	174	392	348.48	-	-	-	348.48	-	348.48	Residential		Partial
109	12428069	Norfolk & Western Railway Co.	14,113	14,244	0	28,488.24	-	-	-	28,488.24	-	28,488.24	Industrial		Total
110	12517051	Moore Cassel	9,732	915	1,612	1,829.52	-	-	-	1,829.52	644.69	2,474.21	Residential		Partial
111	12425031	Smith Roosevelt, Jr.	6,000	261	610	522.72	-	-	-	522.72	243.94	766.66	Residential		Partial
113	12425056	Head Lillian	3,049	131	261	261.36	-	-	-	261.36	104.54	365.90	Residential		Partial
114	12517052	Nelson Jerry	2,900	305	479	609.84	-	-	-	609.84	191.66	801.50	Residential		Partial
115	12425058	Head Lillian	3,049	131	305	261.36	-	-	-	261.36	121.97	383.33	Residential		Partial
117	12425024	Wimbush Sr. Willie J. & Vanessa	5,740	741	523	1,481.04	700.00	-	-	1,181.04	209.09	2,390.13	Residential		Partial
118	12425023	Jackson Ivory 576	5,425	1,394	566	2,787.84	2,700.00	-	-	5,487.84	226.51	5,714.35	Residential		Partial
119	12425032	Rubie J. Lucas (Life Est.)	5,220	305	610	609.84	-	-	-	609.84	243.94	853.78	Residential		Partial
120	12425022	Strowder Umar R.	4,550	2,396	610	4,791.60	2,000.00	-	-	6,791.60	243.94	7,035.54	Residential		Partial
122	12517029	Kinsman Avenue Church of God	22,562	1,307	2,962	2,613.60	12,600.00	-	-	15,213.60	1,184.83	16,398.43	Residential		Partial
123	12425033	Fears Minnie Sutton	2,871	174	392	348.48	-	-	-	348.48	-	348.48	Residential		Partial
124	12425034	Burton Robert L.	2,871	174	392	348.48	-	-	-	348.48	-	348.48	Residential		Partial
128	12517055	Smith Roosevelt, Jr.	3,750	0	871	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
129	12517057	Smith Roosevelt, Jr.	7,400	0	828	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
130	12425002	Rozell Crowell	11,326	11,326	0	22,651.20	-	-	-	22,651.20	-	22,651.20	Residential		Partial
131	12425055	Thomas Anita	3,223	3,223	0	6,446.88	-	-	-	6,446.88	-	6,446.88	Residential		Partial
133	12425048	Thomas Anita B.	3,006	3,006	0	6,011.28	-	-	-	6,011.28	-	6,011.28	Residential		Partial
135	12517058	Smith Roosevelt, Jr.	4,107	0	784	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
136	12517059	Smith Roosevelt, Jr.	5,394	0	610	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
138	12425005	Milligan Lavern	7,750	2,570	1,830	5,140.08	-	-	-	5,140.08	-	5,140.08	Residential		Partial
140	12425040	Doughdown Investment Group LL	4,000	0	261	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
141	12425006	Jackson Darlene	4,100	1,002	305	2,003.76	-	-	-	2,003.76	-	2,003.76	Residential		Partial
142	12420007	Greater Cleveland RTA	402,930	16,161	13,024	32,321.52	-	-	-	32,321.52	-	32,321.52	Comm/Ind		Partial
143	12422008	RTA	46,430	0	2,308	2,003.76	-	-	-	2,003.76	-	2,003.76	Industrial		Partial
144	12425007	Litsey Londis	4,225	1,022	0	2,003.76	-	-	-	2,003.76	-	2,003.76	Industrial		Partial
145	12425008	McGhee Howard	8,750	0	1,138	2,003.76	-	-	-	2,003.76	-	2,003.76	Industrial		Partial
151	12424080	Surratt Dorothy J.	6,060	1,655	2,091	3,310.56	-	-	-	3,310.56	836.35	4,146.91	Industrial		Partial
152	12424081	Surratt Dorothy J.	9,150	2,526	2,614	5,052.96	-	-	-	5,052.96	1,045.44	6,098.40	Industrial		Partial
154	12422006	Shaker Heights City of	446,054	47,524	16,335	95,047.92	2,400.00	-	-	95,047.92	6,534.00	101,581.92	Industrial		Partial
157	12424084	Inner City Wrecking Co.	49,700	23,217	7,144	46,434.96	-	-	-	48,834.96	2,857.54	51,692.50	Industrial		Partial
160	12424104	Taylor Bobby	57,364	0	4,574	2,003.76	-	-	-	2,003.76	-	2,003.76	Industrial		Partial
161	12424007	Ohio State Of Forfeit	3,833	3,833	0	7,666.56	-	-	-	7,666.56	-	7,666.56	Industrial		Total Take
162	12424008	Taylor Ho Jack	3,833	3,833	0	7,666.56	-	-	-	7,666.56	-	7,666.56	Industrial		Partial
163	12424008	State Of Ohio	3,833	3,833	0	7,666.56	-	-	-	7,666.56	-	7,666.56	Industrial		Partial
164	12424005	Taylor Jack	3,833	3,833	0	7,666.56	-	-	-	7,666.56	-	7,666.56	Industrial		Total Take
167	12424100	McKinney Phyllis Tra Juan	4,200	0	261	2,003.76	-	-	-	2,003.76	-	2,003.76	Industrial		Total Take
169	12424017	Meed Mac Co, LLC	7,450	7,449	0	14,897.52	3,900.00	-	-	14,897.52	-	14,897.52	Residential		Total Take
170	12424013	Aurora Loan LLC	5,960	2,091	0	4,181.76	7,460.00	-	-	4,181.76	-	11,641.76	Residential		Partial
172	12424018	Cleve Hout Ltd, Part	7,450	7,449	0	14,897.52	1,750.00	-	-	16,647.52	-	16,647.52	Residential		Total Take
178	12424023	Pleasant Properties, L.P.	7,450	7,449	0	14,897.52	4,100.00	-	-	18,997.52	-	18,997.52	Residential		Total Take
179	12424021	Mid-Ohio Securities	7,450	7,449	0	14,897.52	2,000.00	-	-	16,897.52	-	16,897.52	Residential		Total Take
180	12424022	Pleasant Properties, L.P.	7,450	7,449	0	14,897.52	3,890.00	-	-	18,787.52	-	18,787.52	Residential		Total Take
184	12424045	Tuzzan LTD	7,500	741	3,354	2,003.76	3,820.00	-	-	5,301.04	1,341.65	6,642.69	Commercial		Total Take
190	12424042	Hamilton, Andrew & Hamilton, B	3,560	0	1,002	2,003.76	-	-	-	2,003.76	-	2,003.76	Commercial		Partial
193	12424050	White Eddie L.	3,200	0	741	10,000.00	11,400.00	-	-	11,400.00	1,481.04	12,881.04	Commercial		Total
194	12428004	Hurt Robert & Barbara J.	2,150	305	784	2,003.76	609.84	-	-	609.84	313.63	923.47	Commercial		Total
195	12428003	The Orlando Baking Co.	3,828	441	653	87.12	-	-	-	87.12	261.36	348.48	Commercial		Total
196	12428001	The Orlando Baking Company	3,913	0	871	2,003.76	-	-	-	2,003.76	-	2,003.76	Commercial		Total
198	12428002	Orlando Baking Company	3,805	0	523	2,003.76	-	-	-	2,003.76	-	2,003.76	Commercial		Partial
199	12428078	Jennison Jarin	2,714	697	1,612	1,393.92	-	-	-	1,393.92	-	1,393.92	Commercial		Partial
201	12428005	Martin, Arthur & Maple Jr., J	7,250	1,187	0	14,374.80	-	-	-	14,374.80	-	14,374.80	Commercial		Partial

Opportunity Corridor Planning Level Project Cost Estimate

Map ID	Pct.H	Owner's Name	Rec. Area	WD	Temp.	Est. S/SF	WD	Site Impromts.	Damages	Total Takng.	Temp. Value.	Total	Use	Notes	Take Type
202	12428075	Orlando Baking Company		0	479	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 191.66	\$ 191.66	Residential		
204	12428045	Orlando Baking Company	3,750	0	348	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 139.39	\$ 139.39	Residential		
206	12428044	Orlando Baking Company	3,750	0	348	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 139.39	\$ 139.39	Residential		
207	12428049	Bell, Burton, Carr	6,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ -	\$ -	\$ 12,022.56	\$ -	\$ 12,022.56	Residential		Partial
208	12428043	Orlando Baking Company	7,500	0	697	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 278.78	\$ 278.78	Residential		Total Take
212	12428052	The Orlando Baking	1,686	1,917	0	\$ 2.00	\$ 3,833.28	\$ -	\$ -	\$ 3,833.28	\$ -	\$ 3,833.28	Residential		Total Take
215	12428043	Orlando Baking Company	7,500	0	697	\$ 2.00	\$ -	\$ 11,500.00	\$ -	\$ 11,500.00	\$ 278.78	\$ 11,778.78	Residential		Total Take
216	12428080	Orlando Baking Company	3,750	0	348	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 139.39	\$ 139.39	Residential		Total Take
217	12428058	Thompson, Cora	3,750	3,746	0	\$ 2.00	\$ 7,492.32	\$ 1,300.00	\$ -	\$ 8,792.32	\$ -	\$ 8,792.32	Residential		Total Take
218	12619010	Norfolk & Southern	Not Entered	0	42,819	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 17,127.79	\$ 17,127.79	Industrial		Total Take
219	12428056	Bell, Burton, Carr	6,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ -	\$ -	\$ 12,022.56	\$ -	\$ 12,022.56	Residential		Total Take
220	12428041	Orlando Baking Company	3,750	0	348	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 139.39	\$ 139.39	Residential		Total Take
221	12428040	Orlando Baking Company	7,500	0	697	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 278.78	\$ 278.78	Residential		Total Take
224	12428039	Orlando Baking Company	7,500	0	697	\$ 2.00	\$ -	\$ 7,500.00	\$ -	\$ 7,500.00	\$ -	\$ 7,778.78	Residential		Total Take
226	12428077	Orlando Baking Company	3,750	0	261	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 104.54	\$ 104.54	Residential		Total Take
228	12428038	Orlando Baking Company	3,600	0	436	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 174.24	\$ 174.24	Residential		Total Take
229	12428061	Pleasant Properties, LP	6,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ 4,690.00	\$ -	\$ 16,712.56	\$ -	\$ 16,712.56	Residential		Total Take
230	12428075	Pleasant Properties, LP (Listed With 12428074)	7,500	0	523	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 209.09	\$ 209.09	Residential		Total Take
231	12428037	Orlando Baking Company	7,500	0	697	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 278.78	\$ 278.78	Residential		Total Take
233	12428074	Pleasant Properties, LP	4,500	0	523	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 209.09	\$ 209.09	Residential		Total Take
235	12428056	Orlando Baking Company	4,500	0	436	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 174.24	\$ 174.24	Residential		Total Take
236	12428073	Norman, Eloise	4,500	0	261	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 104.54	\$ 104.54	Residential		Total Take
238	12428035	Orlando Baking Company	4,500	0	436	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 174.24	\$ 174.24	Residential		Total Take
239	12428072	Norman, Eloise	4,500	0	261	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 104.54	\$ 104.54	Residential		Total Take
240	12428034	Orlando Baking Company	4,500	0	436	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 174.24	\$ 174.24	Residential		Total Take
242	12428065	Danvey Mack Sr	7,500	7,492	0	\$ 2.00	\$ 14,984.64	\$ -	\$ -	\$ 14,984.64	\$ -	\$ 14,984.64	Residential		Total Take
243	12428070	Interstate Investment Group, L	6,000	0	261	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 104.54	\$ 104.54	Residential		Total Take
244	12428033	Orlando Baking Company	6,000	0	566	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 226.51	\$ 226.51	Residential		Total Take
245	12428066	Barnes, Emma L.	3,920	3,920	0	\$ 2.00	\$ 7,840.80	\$ 700.00	\$ -	\$ 8,540.80	\$ -	\$ 8,540.80	Residential		Total Take
247	12428084	Tanton Billy J.	2,613	0	697	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 278.78	\$ 278.78	Residential		Total Take
248	12428067	Barnes, Emma L. (Listed With 12428066)	4,000	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04	Residential		Total Take
249	12428068	Barnes, Emma L. (Listed With 12428066)	3,136	3,136	0	\$ 2.00	\$ 6,272.64	\$ -	\$ -	\$ 6,272.64	\$ -	\$ 6,272.64	Residential		Total Take
251	12428024	Barnes III Robert J.	6,400	6,360	0	\$ 2.00	\$ 12,719.52	\$ -	\$ -	\$ 12,719.52	\$ -	\$ 12,719.52	Commercial		Total
253	12428025	Carter Charles & Lucille	6,400	871	2,265	\$ 2.00	\$ 1,742.40	\$ -	\$ -	\$ 1,742.40	\$ 906.05	\$ 2,648.45	Commercial		Partial
255	12428029	Orlando Baking Company	2,468	0	218	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 87.12	\$ 87.12	Commercial		Partial
261	12428076	Danvey Sr Mack C	2,500	0	1,394	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 557.57	\$ 557.57	Commercial		Total Take
262	12428028	Terry Diane	2,500	0	218	\$ 2.00	\$ -	\$ 2,700.00	\$ -	\$ 2,700.00	\$ 87.12	\$ 2,787.12	Commercial		Total Take
263	12429057	Good Shepard Evangelistic Chur	24,885	0	523	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 209.09	\$ 209.09	Commercial		Total Take
265	12619009	Poise Entertainment Education	Not Entered	1,263	0	2,047	\$ 2.00	\$ -	\$ -	\$ -	\$ 818.93	\$ 818.93	Industrial	area incl. above	Partial
267	12627001	East 79th Street	Not Entered	4,600	348	0	\$ 2.00	\$ 2,526.48	\$ -	\$ 2,526.48	\$ -	\$ 2,526.48	Industrial	area incl. above	Partial
268	12627015	Dolman John M Jr & Nancy F	6,400	6,400	0	\$ 2.00	\$ 696.96	\$ -	\$ -	\$ 696.96	\$ -	\$ 696.96	Industrial	area incl. above	Total
269	12627003	East 79th St Redevelopment	6,400	6,400	0	\$ 2.00	\$ 12,980.88	\$ -	\$ -	\$ 12,980.88	\$ -	\$ 12,980.88	Industrial	area incl. above	Total
270	12627006	Poise Entertainment Education	6,720	348	0	\$ 2.00	\$ 696.96	\$ -	\$ -	\$ 696.96	\$ -	\$ 696.96	Industrial	area incl. above	Total
271	12627002	East 79th St Redevelopment	6,400	6,621	0	\$ 2.00	\$ 13,242.24	\$ -	\$ -	\$ 13,242.24	\$ -	\$ 13,242.24	Industrial	area incl. above	Total
272	12627005	Poise Entertainment Education	6,400	6,403	0	\$ 2.00	\$ 12,806.64	\$ -	\$ -	\$ 12,806.64	\$ -	\$ 12,806.64	Industrial	area incl. above	Total
273	12627004	Poise Entertainment Education	6,400	6,403	0	\$ 2.00	\$ 12,806.64	\$ -	\$ -	\$ 12,806.64	\$ -	\$ 12,806.64	Industrial	area incl. above	Total
276	12627013	A.J. Stoudemire	6,400	348	436	\$ 2.00	\$ 696.96	\$ -	\$ -	\$ 696.96	\$ 174.24	\$ 871.20	Residential		Total Take
277	12627010	Carter, Rodney	4,320	261	1,830	\$ 2.00	\$ 522.72	\$ 2,420.00	\$ -	\$ 2,942.72	\$ 731.81	\$ 3,674.53	Residential		Total Take
285	12619013	Cleveland RTA	9,080	0	815	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 325.83	\$ 325.83	Industrial		Total Take
286	12627118	East 79th Street Re-	4,000	1,133	0	\$ 2.00	\$ 2,265.12	\$ -	\$ -	\$ 2,265.12	\$ -	\$ 2,265.12	Industrial		Partial
287	12627119	East 79th St Redevelopment	Not Entered	3,703	0	\$ 2.00	\$ 7,405.20	\$ -	\$ -	\$ 7,405.20	\$ -	\$ 7,405.20	Industrial	area incl. above	Partial
288	12627117	Forbes, Joseph A.	5,897	1,220	697	\$ 2.00	\$ 2,439.36	\$ -	\$ -	\$ 2,439.36	\$ 278.78	\$ 2,718.14	Industrial	area incl. above	Total Take
289	12626614	Poise Entertainment Education (No Data Available)	17,420	0	479	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 191.66	\$ 191.66	Industrial	area incl. above	Total Take
290	12627120	East 79th St Redevelopment	Not Entered	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04	Industrial	area incl. above	Total
291	12627116	Forbes, Joseph A.	5,763	523	610	\$ 2.00	\$ 1,045.44	\$ -	\$ -	\$ 1,045.44	\$ 243.94	\$ 1,289.38	Industrial	area incl. above	Total
292	12627121	East 79th St Redevelopment	Not Entered	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04	Industrial	area incl. above	Total
293	12627115	Ware O L - Church Of Liv God	2,412	44	261	\$ 2.00	\$ 87.12	\$ -	\$ -	\$ 87.12	\$ 104.54	\$ 191.66	Industrial	area incl. above	Total
294	12627122	East 79th St Redevelopment	Not Entered	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04	Industrial	area incl. above	Partial
295	12627123	East 79th Street	Not Entered	4,483	0	\$ 2.00	\$ 8,886.24	\$ -	\$ -	\$ 8,886.24	\$ -	\$ 8,886.24	Industrial	area incl. above	Partial
296	12627137	The Church Of The Living God	3,618	0	131	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 52.27	\$ 52.27	Industrial	area incl. above	Total Take
297	12627124	East 79th Redevelopment LTD	4,617	4,617	0	\$ 2.00	\$ 9,234.72	\$ -	\$ -	\$ 9,234.72	\$ -	\$ 9,234.72	Industrial	estimate size, assume total take	Total
298	12626001	East 79th Street Re-	Not Entered	34,587	147,959	\$ 2.00	\$ 69,173.28	\$ 125,000.00	\$ -	\$ 194,173.28	\$ 59,119.63	\$ 253,292.91	Industrial	estimate size, assume total take	Partial
299	12627125	East 79 St Redevelopment	4,487	4,487	0	\$ 2.00	\$ 9,234.72	\$ -	\$ -	\$ 9,234.72	\$ -	\$ 9,234.72	Industrial	estimate size, assume total take	Total
300	12627126	East 79 St Redevelopment	3,615	2,004	436	\$ 2.00	\$ 4,007.52	\$ -	\$ -	\$ 4,007.52	\$ 174.24	\$ 4,181.76	Industrial	estimate size, assume total take	Total
301	12627127	East 79 St Redevelopment	3,615	1,742	479	\$ 2.00	\$ 3,484.80	\$ -	\$ -	\$ 3,484.80	\$ 191.66	\$ 3,676.46	Industrial	estimate size, assume total take	Total

Opportunity Corridor Planning Level Project Cost Estimate

Map ID	Pct	Owner's Name	Rec Area	WD	Temp	Est S/SE	WD	Site Imprmnts	Damages	Total Taking	Temp Value	Total	Use	Notes	Take Type
378	12613011	Fisher, Anthony	4,800	4,192	218	0	8,276.40			8,276.40	87.12	8,363.52			Partial
379	12613014	Stefanek, Frank A., Trustee	4,800	4,730	0	2.00	9,583.20			9,583.20		9,583.20			Partial
380	12613015	Boggio Victor Antonio	14,100	14,113	0	2.00	28,226.88			28,226.88		28,226.88			Partial
381	12613012	Capitalsource Bank	4,800	4,792	0	2.00	9,583.20	13,340.00				22,923.20	Residential		
383	12606092	Patrick Realty Corp.	9,218	8,973	0	5.00	44,866.80			44,866.80		44,866.80			Partial
384	12613019	Assad Ramez, Trustee 1/3 Inter	18,300	479	871	3.50	1,677.06	3,000.00		54,386.00	609.84	55,296.90	Commercial	parking loss (20%)	Partial
385	12613010	Fisher, Anthony	7,497	7,492	0	2.00	14,994.64			14,994.64		14,994.64			
387	12614001	kash, Mousa	9,600	2,483	741	2.00	4,965.84			4,965.84	296.21	5,262.05			
388	12614050	Jirich, Lorraine M.	3,280	0	697	2.00					278.78	278.78			
391	12614054	kash, Mousa (No Data Available)	3,356	87	915	2.00	174.24			174.24	365.90	540.14			Total Take
393	12614121	kash, Mousa Et Al	4,500	0	697	2.00					278.78	278.78			Partial
394	12614002	kash, Mousa (No Data Available)	3,311	523	653	2.00	1,045.44			1,045.44	261.36	1,306.80			Partial
396	12614052	kash, Charly	5,250	0	566	2.00					226.51	226.51			Partial
397	12614115	Hooker Luther Jr.	2,938	0	308	2.00					121.97	121.97	Industrial		
398	12614003	Chandler, Judy A.	4,807	0	479	2.00					191.66	191.66			Partial
400	12614114	Williams James Earl Trs	6,596	0	436	2.00					174.24	174.24	Industrial		Partial
401	12608014	Bruder Edw & Lois &	83,317	57,369	9,060	2.00	11,473,770.04	18,100.00		132,837.04	3,624.19	136,461.23	Commercial		Partial
402	12614005	Dels Realty, LTD	7,800	0	610	2.00					243.94	243.94			Partial
404	12608071	Bruder Edward & Lois &	18,820	7,623	11,195	2.00	15,246.00	39,140.00		54,386.00	4,477.97	58,863.97			Partial
405	12608013	Norfolk & Western		610	17,685	5.00	3,049.20			3,049.20	17,685.36	20,734.56			Total Take
406	12608019	kash Properties, LLC		0	784	2.00					313.63	313.63			Partial
408	12608030	Bruder Robert	5,250	1,742	915	2.00	3,484.80			3,484.80	365.90	3,850.70			Partial
409	12608029	Bruder Janice	5,250	1,220	1,045	2.00	2,439.36			2,439.36	418.18	2,857.54			Partial
410	12614008	No Data Available	7,100	0	697	2.00					278.78	278.78			Total Take
411	12608028	Bruder Robert	5,250	784	1,045	2.00	1,568.16			1,568.16	418.18	1,986.34			Total Take
413	12608027	Bruder Robert	5,250	348	1,045	2.00	696.96			696.96	418.18	1,115.14			Total Take
414	12608028	Bruder Robert		0	1,045	2.00					418.18	418.18			Partial
415	12614010	Prendergast, Eileen M.	7,840	0	784	2.00					313.63	313.63			Total Take
416	12608031	Grekofixbud, LLC	49,420	30,348	19,123	2.00	60,635.52	91,000.00		151,635.52	7,649.14	159,284.66	Commercial		Total Take
417	12608032	Grimes, Joseph L.		0	1,830	2.00		6,020.00		6,020.00	12,667.25	18,687.25	COMMERCIAL		Total Take
418	12608025	Bruder Robert		0	1,830	2.00					731.81	731.81			Total Take
419	12608024	Bruder Realty		0	741	2.00					296.21	296.21			Total Take
420	12608023	Bruder Robert		0	523	2.00					209.09	209.09			Total Take
421	12608022	kash Properties LLC		0	697	2.00					278.78	278.78			Partial
422	12610003	Cleveland Builders Supply Co	109,180	15,246	15,856	2.00	30,492.00	20,000.00		70,492.00	6,342.34	76,834.34	Industrial	fence cost to cure	Partial
423	12610002	Balunek, Jon David	107,780	17,555	84,332	2.00	35,109.36	422,000.00		457,109.36	33,732.86	490,842.22	Commercial		Partial
424	12610004	Sadler, Samuel (Trustee)	328,752	38,376	141,701	2.00	76,752.72	796,750.00		873,505.72	56,680.27	930,185.99	Industrial		Partial
425	12611001	Independence Excavating Inc.	326,264	31,625	49,571	2.00	63,249.12	1,800.00		65,049.12	19,828.51	84,877.63	Industrial		Partial
426	12611002	Eaton Park Leasing Inc.	418,612	87,666	54,711	2.00	175,372.56	8,900.00		184,272.56	21,884.54	206,157.10	Industrial		Partial
427	11918001	Cleveland Clinic Foundation	627,482	6,142	18,034	12.00	73,703.52	25,500.00		99,203.52	45,281.22	144,484.74	Commercial		Partial
430	11924001	Cleveland Clinic Foundation	363,826	261	12,240	12.00	3,136.32	25,000.00		70,000.00	29,376.86	127,713.18	Commercial	parking loss (20%)	Partial
431	12611003	New York Central Lines LLC	Not Entered	0	5,445	2.00					2,178.00	2,178.00			Partial
432	11910015	The Children's Oncology (Listed With 11910008)	34,357	1,742	2,483	10.00	17,424.00			17,424.00	4,965.84	22,389.84			Partial
434	12119031	Norfolk & Western Railway Co	Not Entered	4,879	2,701	2.00	9,757.44			9,757.44	1,080.29	10,837.73	Residential/Industrial		Partial
435	11911056	Cleveland Society	16,960	2,909	2,222	12.00	27,704.16	8,100.00		35,804.16	5,331.74	41,135.90	Commercial		Partial
436	12118011	Church Cal Hill Miss Bap	13,300	0	915	1.00	4.00				731.81	731.81			Partial
437	12611006	JCC Miles Inc	174,240	70,567	69,653	2.00	141,134.00			141,134.00	27,861.20	168,995.20	Industrial		Partial
438	11911055	Cleveland Society	11,880	871	1,089	12.00	10,454.40	3,600.00		14,054.40	2,613.60	16,668.00	Commercial		Partial
439	12119054	Thomas B S & B S Thomas Jr	439	0	1,525	2.00				2,840.00	609.84	3,449.84	Residential		Partial
440	11911054	Cleveland Soc For The Blind	29,669	871	2,309	12.00	10,454.40	3,600.00		14,054.40	5,540.83	19,595.23	Commercial		Partial
441	11911058	Cleveland Society	28,835	2,875	2,831	12.00	34,499.52	9,000.00		43,499.52	6,795.36	50,294.88	Commercial		Partial
444	11910016	1942 LLC East 105th Street LLC	33,400	3,877	5,271	12.00	46,572.08	4,800.00		51,372.08	12,649.82	63,971.90	Commercial		Partial
445	12119033	No Data Available	1,002	1,533	2.00	2,003.76				2,003.76	6,133.25	8,137.01			Total Take
446	12118012	Calvary Hill Missionary	4,662	0	392	4.00					313.63	313.63			Total Take
447	12118036	Coleman Audrey W. & Rodney V.	5,650	1,394	1,176	12.00	16,727.04	4,500.00		7,000.00	365.90	10,650.90	Commercial		Partial
449	11911057	Cleveland Society	15,570	784	1,742	10.00	7,840.80			7,840.80	3,484.80	11,325.60	Commercial		Partial
450	11910012	The Children's Oncology (Listed With 11910008)	15,570	2,701	2,269	10.00	27,007.20			27,007.20	4,617.36	31,624.56	Commercial		Total Take
451	11910014	The Children's Oncology (Listed With 11910008)	9,828	305	4,269	3.50	1,067.22			1,067.22	2,988.22	4,055.44	Industrial		Partial
452	12119033	Cleveland R T A	4,050	0	653	3.50				300.00	457.38	757.38	Commercial		Partial
455	12118021	Takacs Sillard F.	4,488	0	523	3.50				300.00	365.90	665.90	Commercial		Partial
458	12118017	Wright Rosie	5,206	0	348	3.50				400.00	243.94	643.94	Commercial		Partial
459	12118022	Church of God in Christ	4,422	0	871	3.50				300.00	609.84	909.84	Commercial		Partial
460	12118018	Wright W. C.	4,658	0	436	3.50				400.00	304.92	704.92	Commercial		Partial
461	12118016	Ford Charlie W.	6,762	0	348	3.50				500.00	243.94	743.94	Commercial		Partial

Opportunity Corridor Planning Level Project Cost Estimate

Map ID	Pct. H	Owner's Name	Rec. Area	WD	Temp.	Est. S/E	WD	Site Improvts.	Damages	Total Takng.	Temp. Value	Total	Use	Notes	Take Type
462	12118023	Church of God in Christ	6,030	0	1,176	3.50	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 823.28	\$ 2,323.28	Commercial		Partial
463	12118019	Carr Reginald	4,488	0	486	3.50	\$ -	\$ -	\$ -	\$ 300.00	\$ 304.92	\$ 604.92	Commercial		Partial
464	12118024	Christ Centered Missionary	6,010	0	828	3.50	\$ -	\$ -	\$ -	\$ 1,200.00	\$ 799.35	\$ 1,779.35	Commercial		Partial
465	12119071	Mendoza Damian	5,760	0	1,133	3.50	\$ -	\$ -	\$ -	\$ 400.00	\$ 792.79	\$ 1,192.79	Commercial		Partial
466	12118030	Muntaser Hani	6,562	0	915	3.50	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 640.33	\$ 2,140.33	Commercial		Partial
467	12119067	Thomas Isiah W. Jr	4,550	0	741	3.50	\$ -	\$ -	\$ -	\$ 800.00	\$ 518.36	\$ 1,318.36	Commercial		Partial
468	12118031	Muntaser Hani	6,250	0	915	3.50	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 640.33	\$ 2,140.33	Commercial		Partial
469	12119068	The Children's Oncology (Listed With 11910008)	2,990	1,263	1,350	10.00	\$ 12,632.40	\$ -	\$ -	\$ 500.00	\$ 2,700.72	\$ 15,333.12	Commercial		Partial
470	12118034	Smith William	3,750	0	566	3.50	\$ -	\$ -	\$ -	\$ 800.00	\$ 396.40	\$ 1,196.40	Commercial		Partial
471	12118033	Fisher Carlos	4,576	0	741	3.50	\$ -	\$ -	\$ -	\$ 300.00	\$ 518.36	\$ 818.36	Commercial		Partial
472	12119072	Farmer Shaan	6,250	0	828	3.50	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 579.35	\$ 2,079.35	Commercial		Partial
473	12119074	Muntaser Hani	4,212	0	741	3.50	\$ -	\$ -	\$ -	\$ 300.00	\$ 518.36	\$ 818.36	Commercial		Partial
474	12119069	Vance Marcia J. Anderson	7,300	0	1,307	3.50	\$ -	\$ -	\$ -	\$ 500.00	\$ 914.76	\$ 1,414.76	Commercial		Partial
475	12119070	Cleveland Housing Network Inc	5,800	0	1,133	3.50	\$ -	\$ -	\$ -	\$ 400.00	\$ 792.79	\$ 1,192.79	Commercial		Partial
476	12119066	Mull Annie L	4,550	0	741	3.50	\$ -	\$ -	\$ -	\$ 800.00	\$ 518.36	\$ 1,318.36	Commercial		Partial
477	12118157	Fairfax Renaissance Development (Listed With 12118001)	3,220	0	523	4.00	\$ -	\$ -	\$ -	\$ -	\$ 418.18	\$ 418.18	Commercial		Partial
478	12119065	Mathieu Stevenson	3,750	0	566	3.50	\$ -	\$ -	\$ -	\$ 600.00	\$ 396.40	\$ 996.40	Commercial		Partial
479	12119064	Kirkman Lela	3,960	0	2,309	3.50	\$ -	\$ -	\$ -	\$ 600.00	\$ 1,616.08	\$ 2,216.08	Commercial		Partial
480	12118025	Christ Centered Miss	4,570	0	653	3.50	\$ -	\$ -	\$ -	\$ 1,200.00	\$ 457.38	\$ 1,657.38	Commercial		Partial
481	12119060	Kirkman Minnie Lee	3,960	0	2,178	3.50	\$ -	\$ -	\$ -	\$ 1,500.00	\$ 457.38	\$ 1,957.38	Commercial		Partial
482	12118014	Galvary Hill Missionary	8,293	348	2,265	3.50	\$ 1,219.68	\$ -	\$ -	\$ 800.00	\$ 1,524.60	\$ 2,324.60	Commercial		Partial
483	12119063	Oliver Lillian	3,960	0	2,352	3.50	\$ -	\$ -	\$ -	\$ 600.00	\$ 1,646.57	\$ 2,246.57	Commercial		Partial
484	12119082	Norfolk & Western Railway Co	566	566	0	2.00	\$ 1,132.56	\$ -	\$ -	\$ -	\$ 1,132.56	\$ 1,132.56	Commercial		Partial
485	12120001	The Cleveland Clinic Foundation	11,743	6,142	1,307	12.00	\$ 6,419.60	\$ 91,800.00	\$ -	\$ 153,219.60	\$ 2,613.60	\$ 155,833.20	Commercial		Partial
486	11920002	The Pentacostal Church of	32,300	653	4,138	12.00	\$ 7,840.80	\$ 5,700.00	\$ -	\$ 13,540.80	\$ 9,931.68	\$ 23,472.48	Commercial		Partial
487	12120018	Gen'l Devel LTD	5,270	3,222	1,263	3.50	\$ 7,775.46	\$ 3,500.00	\$ -	\$ -	\$ 884.27	\$ 12,159.73	Commercial	excess land	Partial
488	12120047	Cleveland Clinic Co.	8,640	5,489	3,093	2.00	\$ 65,862.72	\$ 4,500.00	\$ -	\$ 70,362.72	\$ 7,422.62	\$ 77,785.34	Commercial	excess land	Partial
489	12611004	No Date Available	81,420	0	1,568	12.00	\$ -	\$ -	\$ -	\$ -	\$ 627.26	\$ 627.26	Commercial		Partial
500	11920001	Phv Associates, L.P.	30,396	479	4,530	12.00	\$ 5,749.92	\$ 4,500.00	\$ -	\$ 10,249.92	\$ 10,872.58	\$ 21,122.50	Commercial		Partial
501	12120058	Jones Louise	3,456	1,481	697	3.50	\$ 5,183.64	\$ -	\$ -	\$ 5,183.64	\$ 487.87	\$ 5,671.51	Commercial	excess land	Partial
502	12120057	Hamilton Gloria	3,456	1,481	697	3.50	\$ 5,183.64	\$ -	\$ -	\$ 5,183.64	\$ 487.87	\$ 5,671.51	Commercial	excess land	Partial
503	12120056	Tolliver Kimberly & Velma E.	3,328	1,437	653	3.50	\$ 5,031.18	\$ 20,600.00	\$ -	\$ 25,431.18	\$ 457.38	\$ 25,888.56	Commercial	excess land	Partial
504	12120055	Wright Rosie	5,120	2,222	1,045	3.50	\$ 7,775.46	\$ 20,600.00	\$ -	\$ 28,375.46	\$ 731.81	\$ 29,107.27	Commercial	excess land	Partial
505	12120042	Swilison Investments LLC	4,800	1,830	1,006	3.50	\$ 6,403.32	\$ 19,700.00	\$ -	\$ 26,103.32	\$ 2,103.95	\$ 28,207.27	Commercial	excess land	Partial
506	11920068	Cleveland Clinic Foundation	10,200	436	2,047	12.00	\$ 5,227.20	\$ 1,500.00	\$ -	\$ 6,727.20	\$ 4,913.57	\$ 11,640.77	Commercial		Partial
507	12120054	Landrum Evelyn Francis Berna	4,680	1,568	2,004	3.50	\$ 5,488.56	\$ 4,000.00	\$ -	\$ 9,488.56	\$ 1,402.63	\$ 10,891.19	Commercial		Partial
508	11920029	Cleveland Clinic Foundation	12,728	4,051	2,962	12.00	\$ 48,612.96	\$ 8,100.00	\$ -	\$ 56,712.96	\$ 7,108.99	\$ 63,821.95	Commercial	parking loss	Partial
509	12120040	Lillard Anita M.	5,250	2,265	1,568	3.50	\$ 7,927.92	\$ -	\$ -	\$ 7,927.92	\$ 1,087.71	\$ 9,025.63	Commercial	excess land	Partial
510	11920005	Cleveland Electric Illum Co.	13,231	392	2,439	12.00	\$ 4,704.48	\$ 1,800.00	\$ -	\$ 6,504.48	\$ 5,854.46	\$ 12,358.94	Commercial	excess land	Partial
511	12120051	Anderson Gladen D	666	2,396	2,526	3.50	\$ 8,385.30	\$ -	\$ -	\$ 8,385.30	\$ 1,768.54	\$ 10,153.84	Commercial	excess land	Partial
512	11920034	Cleveland Clinic Foundation	26,053	392	1,655	2.00	\$ 784.08	\$ -	\$ -	\$ 784.08	\$ 662.11	\$ 1,446.19	Commercial		Partial
513	12120041	Lillard Anita M.	6,000	1,873	2,222	3.50	\$ 6,555.78	\$ 1,800.00	\$ -	\$ 8,355.78	\$ 1,555.09	\$ 9,910.87	Commercial	excess land	Partial
514	11920009	Cleveland Clinic Foundation	11,596	871	1,045	12.00	\$ 10,454.40	\$ -	\$ -	\$ 12,254.40	\$ 2,509.06	\$ 14,763.46	Commercial		Partial
515	12120001	W.O Walker Center Inc	14,600	5,663	5,489	2.00	\$ 11,325.60	\$ -	\$ -	\$ 11,325.60	\$ 2,195.42	\$ 13,521.02	Commercial		Partial
516	12120002	The Cleveland Clinic Foundation (Listed With 12120001)	14,000	3,920	2,091	4.00	\$ 696.96	\$ -	\$ -	\$ 696.96	\$ 1,672.70	\$ 2,369.66	Commercial	parking loss	Partial
517	11920040	Cleveland Clinic Foundation	20,155	915	4,530	12.00	\$ 10,977.12	\$ 800.00	\$ -	\$ 11,777.12	\$ 10,872.58	\$ 22,649.70	Commercial		Partial
518	12120003	Cleveland Clinic Foundation	57,348	14,375	7,928	10.00	\$ 143,748.00	\$ 31,500.00	\$ -	\$ 175,248.00	\$ 15,855.84	\$ 191,103.84	Commercial		Partial
519	12120053	Church Mt Hebron Baptist	10,600	2,352	3,093	3.50	\$ 8,232.84	\$ 5,000.00	\$ -	\$ 13,232.84	\$ 2,164.93	\$ 15,397.77	Commercial		Partial
520	11920023	Cleveland Clinic Foundation	4,440	0	1,873	4.00	\$ -	\$ -	\$ -	\$ -	\$ 1,498.46	\$ 1,498.46	Commercial		Partial
521	12120048	Saa, Jerry	4,338	0	1,481	2.00	\$ -	\$ -	\$ -	\$ -	\$ 592.42	\$ 592.42	Commercial		Partial
522	12120028	Papouras John P & Pople	23,962	4,400	697	2.00	\$ 8,799.12	\$ -	\$ -	\$ 8,799.12	\$ 278.78	\$ 9,077.90	Industrial		Partial
523	11919007	Cleveland Clinic Foundation (Listed With 11919006)	7,579	19,900	8,003	4.00	\$ 30,317.76	\$ -	\$ -	\$ 30,317.76	\$ 8,642.30	\$ 38,960.06	Commercial		Partial
524	11919004	W.O Walker Center Inc.	24,272	2,396	1,525	12.00	\$ 28,749.60	\$ 1,500.00	\$ -	\$ 30,249.60	\$ 3,659.04	\$ 33,908.64	Commercial		Partial
525	11919003	W.O Walker Center Inc.	5,998	2,570	1,917	12.00	\$ 30,840.48	\$ 5,000.00	\$ -	\$ 31,340.48	\$ 4,599.94	\$ 35,940.42	Commercial		Partial
526	11919002	W.O Walker Center Inc.	41,438	2,309	1,830	12.00	\$ 27,704.16	\$ 5,400.00	\$ -	\$ 33,104.16	\$ 4,390.85	\$ 37,495.01	Commercial		Partial
527	11919006	Cleveland Clinic Foundation	162,592	2,309	3,746	12.00	\$ 27,704.16	\$ 42,600.00	\$ -	\$ 70,304.16	\$ 8,990.78	\$ 79,294.94	Commercial		Partial
528	11919005	W.O Walker Center Inc.	14,800	1,655	1,525	12.00	\$ 19,863.36	\$ 2,700.00	\$ -	\$ 22,563.36	\$ 3,659.04	\$ 26,222.40	Commercial		Partial
529	12120014	Papouras John P.	55,147	11,108	9,235	2.00	\$ 22,215.60	\$ 12,500.00	\$ -	\$ 34,715.60	\$ 3,693.89	\$ 38,409.49	Industrial		Partial

Opportunity Corridor Planning Level Project Cost Estimate

City of Cleveland - Opportunity Corridor

Map ID	Pc/LB	Owner's Name	Rec Area	WD	Temp	Est S/SE	WD	Site Improvmts	Damages	Total Takng	Temp Value	Total	Use	Notes	Take Type
544	11925021	The Cleveland Clinic Foundation	4,680	0	305	\$ 4,00	\$ -	\$ -	\$ -	\$ -	\$ 243,94	\$ 243,94			Partial
546	11925016	Cleveland Clinic Foundation	128,942	11,326	14,462	\$ 12,00	\$ 135,907.20	\$ 10,800.00	\$ 30,000.00	\$ 176,707.20	\$ 34,708.61	\$ 211,415.81	Commercial	parking loss (20%)	Partial
547	12120005	Cleveland Clinic Foundation	7,904	0	958	\$ 4,00	\$ -	\$ -	\$ -	\$ -	\$ 766.66	\$ 766.66			
548	11919008	WO Walker Center Inc. (Used With 11919003)		0	174	\$ 4,00	\$ -	\$ -	\$ -	\$ -	\$ 139.39	\$ 139.39			
549	12120006	Cleveland Clinic Foundation	6,750	0	871	\$ 4,00	\$ -	\$ -	\$ -	\$ -	\$ 696.96	\$ 696.96			
550	12612001	84 Of Education Csd	87,087	15,725	6,316	\$ 2,00	\$ 31,450.32	\$ -	\$ -	\$ 31,450.32	\$ 2,526.48	\$ 33,976.80	Industrial		Partial
551	12122027	Cleveland R T A	71,936	1,873	784	\$ 2,00	\$ 3,746.16	\$ -	\$ -	\$ 3,746.16	\$ 313.63	\$ 4,059.79	Commy/Ind		Partial
552	12121032	Norfolk & Western Railway Co	Not Entered	1,220	784	\$ 2,00	\$ 2,439.36	\$ -	\$ -	\$ 2,439.36	\$ 313.63	\$ 2,752.99	Commy/Ind		Partial
\$ 4,233,453 \$ 4,592,315.00 \$ 326,900.00 \$ 9,152,667.86 Total															
\$ 100,029,408.04															

Opportunity Corridor Planning Level Project Cost Estimate

City of Cleveland - Opportunity Corridor, City Owned Parcels

MapID	Parcel	Owner's Name	Rec Area	WD	Temp	Est \$/SF	WD	Site Improvments	Damages	Total Takings	Temp Value	Total	Use	Notes	Take Type
42	12502056	CLEVELAND CITY OF / LB97	3,500	0	\$ 2.00	\$ 7,000.00	\$ -	\$ -	\$ -	\$ 7,000.00	\$ -	\$ 7,000.00			Total
49	12502066	CLEVELAND CITY OF / LB79	10,810	7,492	0	\$ 2.00	\$ 14,984.64	\$ -	\$ -	\$ 14,984.64	\$ -	\$ 14,984.64			Total
73	12517004	CLEVELAND CITY OF / LB95	8,000	8,000	0	\$ 2.00	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00	\$ -	\$ 16,000.00			Total
75	12517003	CLEVELAND CITY OF / LB95	8,000	8,000	0	\$ 2.00	\$ 16,000.00	\$ -	\$ -	\$ 16,000.00	\$ -	\$ 16,000.00			Total
76	12517006	Cleveland City Of / LB95	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
79	12517007	Cleveland City Of / LB95	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
80	12517008	Cleveland City Of / LB90	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Partial
82	12517041	CLEVELAND CITY OF / LB92	4,800	4,966	0	\$ 2.00	\$ 9,931.68	\$ -	\$ -	\$ 9,931.68	\$ -	\$ 9,931.68			Total
83	12517009	CLEVELAND CITY OF / LB90	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Partial
84	12517042	CLEVELAND CITY OF / LB98	4,800	4,966	0	\$ 2.00	\$ 9,931.68	\$ -	\$ -	\$ 9,931.68	\$ -	\$ 9,931.68			Total
85	12517043	CLEVELAND CITY OF / LB92	8,000	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
86	12517036	CLEVELAND CITY OF / LB93	4,000	3,964	0	\$ 2.00	\$ 7,927.92	\$ -	\$ -	\$ 7,927.92	\$ -	\$ 7,927.92			Total
87	12517010	Cleveland City Of / LB91	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
88	12517035	Cleveland City Of / LB93	3,154	3,136	0	\$ 2.00	\$ 6,272.64	\$ -	\$ -	\$ 6,272.64	\$ -	\$ 6,272.64			Total
89	12517011	Cleveland City Of / LB91	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Partial
90	12517044	CLEVELAND CITY OF / LB92	4,000	4,095	0	\$ 2.00	\$ 8,189.28	\$ -	\$ -	\$ 8,189.28	\$ -	\$ 8,189.28			Total
92	12517034	CLEVELAND CITY OF / LB91	3,154	3,136	0	\$ 2.00	\$ 6,272.64	\$ -	\$ -	\$ 6,272.64	\$ -	\$ 6,272.64			Total
93	12420044	CLEVELAND CITY OF / LB91	6,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ -	\$ -	\$ 12,022.56	\$ -	\$ 12,022.56			Total
94	12517045	CLEVELAND CITY OF / LB95	4,800	3,307	0	\$ 2.00	\$ 2,613.60	\$ -	\$ -	\$ 2,613.60	\$ -	\$ 2,613.60			Partial
95	12517013	City Of Cleveland Land Reutili	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
96	12517033	Cleveland City Of / LB93	3,154	3,136	0	\$ 2.00	\$ 6,272.64	\$ -	\$ -	\$ 6,272.64	\$ -	\$ 6,272.64			Total
98	12420033	CLEVELAND CITY OF / LB91	8,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ -	\$ -	\$ 12,022.56	\$ -	\$ 12,022.56			Total
99	12517014	CLEVELAND CITY OF / LB91	6,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
100	12517047	CLEVELAND CITY OF / B 2010	4,800	479	784	\$ 2.00	\$ 958.32	\$ -	\$ -	\$ 958.32	\$ 313.63	\$ 1,271.95			Partial
101	12420033	CLEVELAND CITY OF / LB91	6,000	6,011	0	\$ 2.00	\$ 12,022.56	\$ -	\$ -	\$ 12,022.56	\$ -	\$ 12,022.56			Total
102	12517015	Cleveland City Of	8,056	8,059	0	\$ 2.00	\$ 16,117.20	\$ -	\$ -	\$ 16,117.20	\$ -	\$ 16,117.20			Total
106	12425028	CLEVELAND CITY OF / LB89	2,550	174	392	\$ 2.00	\$ 348.48	\$ -	\$ -	\$ 348.48	\$ 156.82	\$ 505.30			Partial
108	12425038	CLEVELAND CITY OF / B 97	2,520	174	392	\$ 2.00	\$ 348.48	\$ -	\$ -	\$ 348.48	\$ 156.82	\$ 505.30			Partial
112	12517068	CLEVELAND CITY OF / B 2009	2,900	305	479	\$ 2.00	\$ 609.84	\$ -	\$ -	\$ 609.84	\$ 191.66	\$ 801.50			Partial
116	12425025	CLEVELAND CITY OF / B 00	6,720	174	436	\$ 2.00	\$ 348.48	\$ -	\$ -	\$ 348.48	\$ 174.24	\$ 522.72			Partial
121	12425023	CITY OF CLEVELAND LAND REUTILIZATION	3,885	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04			Total
125	12425035	CLEVELAND CITY OF / LB80	2,772	174	392	\$ 2.00	\$ 348.48	\$ -	\$ -	\$ 348.48	\$ 156.82	\$ 505.30			Partial
126	12425020	Cleveland City Of / B 00	2,788	178	492	\$ 2.00	\$ 575.68	\$ -	\$ -	\$ 575.68	\$ -	\$ 575.68			Total Take
132	12425037	CLEVELAND CITY OF / LB83	2,970	261	523	\$ 2.00	\$ 522.72	\$ -	\$ -	\$ 522.72	\$ 209.09	\$ 731.81			Partial
134	12425038	CLEVELAND CITY OF / LB91	2,000	131	523	\$ 2.00	\$ 261.36	\$ -	\$ -	\$ 261.36	\$ 209.09	\$ 470.45			Partial
137	12425004	Cleveland City Of / B 97	2,000	0	261	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 104.54	\$ 104.54			Total
139	12425039	CLEVELAND CITY OF / LB95	8,000	0	523	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 209.09	\$ 209.09			Total
147	12424076	CLEVELAND CITY OF / LB97	6,112	131	1,525	\$ 2.00	\$ 261.36	\$ -	\$ -	\$ 261.36	\$ 609.84	\$ 871.20			Partial
148	12424077	CLEVELAND CITY OF / B 99	6,536	610	1,481	\$ 2.00	\$ 1,219.68	\$ -	\$ -	\$ 1,219.68	\$ 592.42	\$ 1,812.10			Partial
149	12424078	CLEVELAND CITY OF / LB93	6,741	1,002	1,481	\$ 2.00	\$ 2,003.76	\$ -	\$ -	\$ 2,003.76	\$ 592.42	\$ 2,596.18			Partial
150	12424079	CLEVELAND CITY OF / LB93	13,005	2,352	3,790	\$ 2.00	\$ 4,704.48	\$ -	\$ -	\$ 4,704.48	\$ 1,515.89	\$ 6,220.37			Partial
153	12424083	CLEVELAND CITY OF / LB79	10,215	3,572	3,093	\$ 2.00	\$ 7,143.84	\$ -	\$ -	\$ 7,143.84	\$ 1,237.10	\$ 8,380.94			Partial
155	12424083	CLEVELAND CITY OF / B 03	10,800	4,182	2,701	\$ 2.00	\$ 8,363.52	\$ -	\$ -	\$ 8,363.52	\$ 1,080.29	\$ 9,443.81			Partial
156	12424039	Cleveland City Of / B 97	91,728	11,238	7,492	\$ 2.00	\$ 22,476.96	\$ -	\$ -	\$ 22,476.96	\$ 2,996.93	\$ 25,473.89			Total
158	12424002	Cleveland City Of / B 99	15,851	9,540	3,485	\$ 2.00	\$ 19,079.28	\$ -	\$ -	\$ 19,079.28	\$ 1,393.92	\$ 20,473.20			Total
159	12424001	Cleveland City Of / B 97	8,538	8,538	0	\$ 2.00	\$ 17,075.52	\$ -	\$ -	\$ 17,075.52	\$ -	\$ 17,075.52			Total
165	12424004	City Of Cleveland Land Reutili	3,300	436	1,525	\$ 2.00	\$ 871.20	\$ -	\$ -	\$ 871.20	\$ 609.84	\$ 1,481.04			Total Take
166	12424092	CLEVELAND CITY OF / LB81	7,500	0	436	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 174.24	\$ 174.24			Total Take
168	12424015	Cleveland City Of / LB98	3,441	3,441	0	\$ 2.00	\$ 6,882.48	\$ -	\$ -	\$ 6,882.48	\$ -	\$ 6,882.48			Total Take
171	12424016	Cleveland City Of / B 99	4,008	4,008	0	\$ 2.00	\$ 8,015.04	\$ -	\$ -	\$ 8,015.04	\$ -	\$ 8,015.04			Partial
173	12424014	Cleveland City Of / B 99	7,450	2,570	0	\$ 2.00	\$ 5,140.08	\$ -	\$ -	\$ 5,140.08	\$ -	\$ 5,140.08			Total Take
174	12424093	CLEVELAND CITY OF / LB80	3,150	0	174	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 69.70	\$ 69.70			Total
175	12424019	CLEVELAND CITY OF / LB80	3,350	0	392	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 156.82	\$ 156.82			Total
176	12424020	City Of Cleveland Land Reutili	2,360	0	958	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 383.33	\$ 383.33			Total Take
177	12424096	CLEVELAND CITY OF / LB92	6,000	0	653	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 261.36	\$ 261.36			Total
181	12424097	CLEVELAND CITY OF / LB94	7,500	0	784	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 313.63	\$ 313.63			Total
182	12424046	Cleveland City Of / LB95	3,572	5,572	0	\$ 2.00	\$ 7,143.84	\$ -	\$ -	\$ 7,143.84	\$ -	\$ 7,143.84			Total Take
183	12424051	CLEVELAND CITY OF / LB92	7,500	0	741	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 296.21	\$ 296.21			Total
185	12424049	CLEVELAND CITY OF / LB91	7,500	392	2,657	\$ 2.00	\$ 784.08	\$ -	\$ -	\$ 784.08	\$ 1,062.86	\$ 1,846.94			Partial
186	12424044	Cleveland City Of / LB91	6,000	87	1,045	\$ 2.00	\$ 174.24	\$ -	\$ -	\$ 174.24	\$ 418.18	\$ 592.42			Total
187	12424043	Cleveland City Of / LB91	7,500	0	1,350	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 540.14	\$ 540.14			Total
188	12424048	City Of Cleveland / LB90	7,500	7,492	0	\$ 2.00	\$ 14,984.64	\$ -	\$ -	\$ 14,984.64	\$ -	\$ 14,984.64			Total
189	12424047	Cleveland City Of / LB95	7,500	7,492	0	\$ 2.00	\$ 14,984.64	\$ -	\$ -	\$ 14,984.64	\$ -	\$ 14,984.64			Total
191	12424099	Cleveland City Of / B 01	3,920	3,920	0	\$ 2.00	\$ 7,840.80	\$ -	\$ -	\$ 7,840.80	\$ -	\$ 7,840.80			Total
192	12424041	Cleveland City Of / LB82	3,655	0	1,045	\$ 2.00	\$ -	\$ -	\$ -	\$ -	\$ 418.18	\$ 418.18			Total
197	12428007	City Of Cleveland Land Reutili	5,250	5,271	0	\$ 2.00	\$ 10,541.52	\$ -	\$ -	\$ 10,541.52	\$ -	\$ 10,541.52			Total Take
200	12428006	Cleveland City Of / LB79	7,250	7,231	0	\$ 2.00	\$ 14,461.92	\$ -	\$ -	\$ 14,461.92	\$ -	\$ 14,461.92			Total Take
203	12428003	Cleveland City Of / LB89	2,004	2,004	0	\$ 2.00	\$ 4,007.52	\$ -	\$ -	\$ 4,007.52	\$ -	\$ 4,007.52			Total Take
205	12428048	Cleveland City Of / LB90	5,250	5,271	0	\$ 2.00	\$ 10,541.52	\$ -	\$ -	\$ 10,541.52	\$ -	\$ 10,541.52			Total Take

Opportunity Corridor Planning Level Project Cost Estimate

City of Cleveland - Opportunity Corridor, City Owned Parcels

MapID	Parcel	Owner's Name	Rec Area	WD	Temp	Est \$/SF	WD	Site Improvements	Damages	Total Taking	Temp Value	Total	Use	Notes	Take Type
209	12428008	Cleveland City Of LB98	5250	0	6708	2.00	\$	-	-	\$	2,683.30	\$			Partial
210	12428050	Cleveland City Of LB95	2750	2,788	0	2.00	\$	5,575.68	-	\$	5,575.68	\$			Partial
211	12428051	Cleveland City Of LB80	250	261	0	2.00	\$	522.72	-	\$	522.72	\$			Total Take
213	12428053	Cleveland City Of LB97	2750	2,788	0	2.00	\$	5,575.68	-	\$	5,575.68	\$			Total Take
214	12428054	City Of Cleveland Land Reutil	3750	3,446	0	2.00	\$	7,492.32	-	\$	7,492.32	\$			Total Take
222	12428057	Cleveland City Of LB98	4500	4,487	0	2.00	\$	8,973.36	-	\$	8,973.36	\$			Total Take
223	12428058	Cleveland City Of LB90	4500	4,487	0	2.00	\$	8,973.36	-	\$	8,973.36	\$			Total Take
225	12428059	Cleveland City Of LB91	4500	4,530	0	2.00	\$	9,060.48	-	\$	9,060.48	\$			Total Take
227	12428060	Cleveland City Of LB99	4500	4,443	0	2.00	\$	8,886.24	-	\$	8,886.24	\$			Total Take
232	12428062	Cleveland City Of LB92	5400	3,920	0	2.00	\$	7,840.80	-	\$	7,840.80	\$			Total Take
234	12428063	Cleveland City Of LB90	3600	3,615	0	2.00	\$	7,230.96	-	\$	7,230.96	\$			Total Take
237	12428064	Cleveland City Of LB96	7500	7,492	0	2.00	\$	14,984.64	-	\$	14,984.64	\$			Total Take
241	12428071	City Of Cleveland Land Reutil		0	261	2.00	\$	-	-	\$	104.54	\$			Total Take
246	12428069	City Of Cleveland Land Reutil		0	523	2.00	\$	-	-	\$	209.09	\$			Total Take
250	12428021	Cleveland City Of LB06	4105	0	523	2.00	\$	-	-	\$	209.09	\$			Total Take
252	12428023	City Of Cleveland Land Reutil	6400	6,360	0	2.00	\$	12,719.52	-	\$	12,719.52	\$			Total Take
254	12429018	Cleveland City Of LB80	0	436	2.00	\$	-	-	-	\$	174.24	\$			Total Take
255	12429014	Cleveland City Of Land Reutil	9439	0	610	2.00	\$	-	-	\$	243.94	\$			Total Take
256	12428015	Cleveland City Of LB90	5600	0	436	2.00	\$	-	-	\$	174.24	\$			Total Take
257	12428020	Cleveland City Of LB90	4400	0	436	2.00	\$	-	-	\$	174.24	\$			Total Take
258	12428022	City Of Cleveland Land Reutil	9590	9,409	0	2.00	\$	18,817.92	-	\$	18,817.92	\$			Total Take
260	12428026	CITY OF CLEVELAND LAND REUTILIZATION PROGRAM	2500	0	174	2.00	\$	-	-	\$	69.70	\$			Total Take
264	12429014	Cleveland City Of LB96	3520	348	436	2.00	\$	696.96	-	\$	313.63	\$			Total Take
266	12627014	Cleveland City Of LB80	6400	218	436	2.00	\$	435.60	-	\$	871.20	\$			Total Take
274	12627013	Cleveland City Of LB00	6400	392	3,223	2.00	\$	784.08	-	\$	609.84	\$			Total Take
275	12627009	Cleveland City Of LB89	6400	131	436	2.00	\$	261.36	-	\$	2,073.46	\$			Total Take
278	12627018	Cleveland City Of LB80	6400	261	0	2.00	\$	522.72	-	\$	435.60	\$			Total Take
279	12627016	Cleveland City Of LB88	6400	261	0	2.00	\$	522.72	-	\$	522.72	\$			Total Take
280	12627013	Cleveland City Of LB91	4320	261	1,176	2.00	\$	2,351.52	-	\$	993.17	\$			Total Take
281	12627012	City Of Cleveland Land Reutil	6400	6,403	0	2.00	\$	12,806.64	-	\$	104.54	\$			Total Take
282	12627008	Cleveland City Of LB89	6400	6,403	0	2.00	\$	12,806.64	-	\$	12,806.64	\$			Total Take
283	12627007	Cleveland City Of LB88	6400	6,403	0	2.00	\$	12,806.64	-	\$	12,806.64	\$			Total Take
284	12627019	Cleveland City Of LB79	6400	0	436	2.00	\$	-	-	\$	174.24	\$			Total Take
306	12627132	City Of Cleveland	2437	87	653	2.00	\$	1,306.00	-	\$	174.24	\$			Total Take
309	12620027	City Of Cleveland Land Reutil	100750	784	3,746	2.00	\$	7,492.32	-	\$	3,066.62	\$			Total Take
317	12620043	Cleveland City Of LB98	20500	1,568	0	2.00	\$	3,136.32	52,400.00	\$	55,536.32	\$	COMMERCIAL		Total Take
336	12622001	Cleveland City Of LB79	5000	5,009	0	2.00	\$	10,018.80	-	\$	10,018.80	\$			Partial
337	12622003	Cleveland City Of LB92	5000	5,009	0	2.00	\$	10,018.80	-	\$	10,018.80	\$			Partial
339	12622005	Cleveland City Of LB90	5000	5,009	0	2.00	\$	10,018.80	-	\$	10,018.80	\$			Partial
341	12622003	Cleveland City Of LB90	5000	5,009	0	2.00	\$	10,018.80	-	\$	10,018.80	\$			Partial
343	12622005	Cleveland City Of LB90	5000	5,009	0	2.00	\$	10,018.80	-	\$	10,018.80	\$			Partial
345	12622007	Cleveland City Of LB98	5000	1,525	436	2.00	\$	3,049.20	-	\$	3,049.20	\$			Partial
346	12622009	Cleveland City Of LB79	5000	1,002	3,964	2.00	\$	2,003.76	-	\$	1,585.58	\$			Total Take
348	12622068	Cleveland City Of LB73	5000	1,655	3,311	2.00	\$	3,310.56	-	\$	1,324.22	\$			Total Take
350	12622004	Cleveland City Of LB04	53418	41,513	10,803	2.00	\$	83,025.36	-	\$	4,321.15	\$			Total Take
382	12613017	City Of Cleveland Land Reutil	9375	741	8,558	2.00	\$	1,481.04	-	\$	3,415.10	\$			Total Take
386	12614118	CLEVELAND CITY OF LB90	1428	0	697	2.00	\$	-	-	\$	278.78	\$			Total Take
388	12608068	Cleveland City Of LB94	4480	4,487	0	2.00	\$	8,973.36	-	\$	8,973.36	\$			Total Take
390	12614117	CLEVELAND CITY OF LB81	2320	0	348	2.00	\$	-	-	\$	139.39	\$			Total Take
392	12614051	Cleveland City Of LB98	3200	0	653	2.00	\$	-	-	\$	261.36	\$			Total Take
395	12614116	CLEVELAND CITY OF LB99	2400	0	305	2.00	\$	-	-	\$	121.97	\$			Total Take
399	12614004	Cleveland City Of LB2005	3600	0	348	2.00	\$	-	-	\$	139.39	\$			Total Take
403	12614042	CLEVELAND CITY OF LB90	3513	0	784	2.00	\$	-	-	\$	313.63	\$			Total Take
407	12614007	Cleveland City Of LB88	7100	0	697	2.00	\$	-	-	\$	278.78	\$			Partial
412	12614009	Cleveland City Of LB88	7000	0	697	2.00	\$	-	-	\$	278.78	\$			Partial
428	11910018	Cleveland City Of LB96	52234	0	2,047	2.00	\$	-	-	\$	818.93	\$			Partial
429	11910043	Cleveland City Of LB90	1639	0	653	2.00	\$	-	-	\$	261.36	\$			Partial
433	12119055	City Of Cleveland Land Reutil	2975	0	1,699	2.00	\$	-	-	\$	679.54	\$			Partial
442	11911059	CLEVELAND CITY OF LB90	9345	2,091	2,744	12.00	\$	25,090.56	-	\$	6,586.27	\$			Partial
443	12119055	Cleveland City Of LB97	2295	0	1,525	2.00	\$	-	-	\$	609.84	\$			Partial
448	12118013	Cleveland City Of LB05	4714	0	392	2.00	\$	-	-	\$	156.82	\$			Partial
453	12118028	CLEVELAND CITY OF LB93	9250	0	828	2.00	\$	-	-	\$	331.06	\$			Partial
454	12119059	CLEVELAND CITY OF LB81	12600	0	3,964	2.00	\$	-	-	\$	1,585.58	\$			Partial
456	12119058	Cleveland City Of LB88	7600	0	7275	2.00	\$	-	-	\$	2,909.81	\$			Partial
464	12119057	Cleveland City Of LB88	10400	0	4,530	2.00	\$	-	-	\$	1,812.10	\$			Partial
465	12119058	Cleveland City Of LB93	4800	0	1,481	2.00	\$	-	-	\$	592.42	\$			Partial
467	12119065	CLEVELAND CITY OF LB94	4550	0	741	2.00	\$	-	-	\$	296.21	\$			Partial
476	12119073	CITY OF CLEVELAND LB	4474	0	741	2.00	\$	-	-	\$	296.21	\$			Partial
482	12118032	CLEVELAND CITY OF LB93	4375	0	610	2.00	\$	-	-	\$	243.94	\$			Partial
483	12119153	CLEVELAND CITY OF LB80	3393	0	610	2.00	\$	-	-	\$	243.94	\$			Partial
489	12119064	CLEVELAND CITY OF LB91	4680	0	1,263	2.00	\$	-	-	\$	505.30	\$			Partial

Opportunity Corridor Planning Level Project Cost Estimate

City of Cleveland - Opportunity Corridor, City Owned Parcels

Map ID	Parcel	Owner's Name	Rec Area	WD	Temp	Est \$/SF	WD	Site Improvements	Damages	Total Taking	Temp Value	Total	Use	Notes	Take Type
492	12119663	CLEVELAND CITY OF	3,960												
501	11920003	CLEVELAND CITY OF	1,870	479	1,350	2.00	958.32	\$ -	\$ -	\$ 958.32	\$ 540.14	\$ 923.47			Partial
506	12120046	CLEVELAND CITY OF I/B 2008	4,403	1,655	1,307	2.00	3,310.56	\$ -	\$ -	\$ 3,310.56	\$ 52,272	\$ 3,833.28			Partial
507	12120049	CITY OF CLEVELAND I/B	2,925	1,089	1,045	2.00	2,178.00	\$ -	\$ -	\$ 2,178.00	\$ 418.18	\$ 2,596.18			Partial
515	12120043	CLEVELAND CITY OF	4,800	1,830	3,006	2.00	3,659.04	\$ -	\$ -	\$ 3,659.04	\$ 1,202.26	\$ 4,861.30			Partial
518	12120055	CITY OF CLEVELAND I/B 2008	9,230	3,093	2,962	2.00	6,185.52	\$ -	\$ -	\$ 6,185.52	\$ 1,184.83	\$ 7,370.35			Partial
521	12120045	Cleveland City Of I/B 2005	4,650	1,394	871	2.00	2,787.84	\$ -	\$ -	\$ 2,787.84	\$ 348.48	\$ 3,136.32			Partial
526	12122016	CLEVELAND CITY OF	7,800	1,830	1,437	2.00	3,659.04	\$ -	\$ -	\$ 3,659.04	\$ 574.99	\$ 4,234.03			Partial
530	12122015	CLEVELAND CITY OF	7,800	2,178	1,699	2.00	4,356.00	\$ -	\$ -	\$ 4,356.00	\$ 679.54	\$ 5,035.54			Partial
532	12120052	CITY OF CLEVELAND I/B	10,716	2,352	3,093	2.00	4,704.48	\$ -	\$ -	\$ 4,704.48	\$ 1,237.10	\$ 5,941.58			Partial
545	12120004	Cleveland City Of	14,976	0	871	2.00	\$ -	\$ -	\$ -	\$ -	\$ 348.48	\$ 348.48			Partial
			429,008	145,839	312		878,924	\$ -	\$ -	\$ 931,323.92	Total	\$ 995,148.03			