

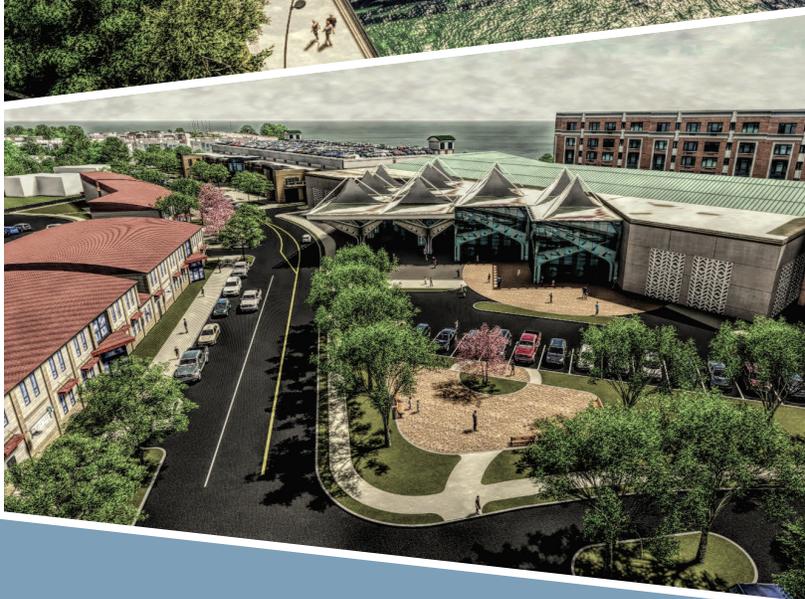
LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

APPENDIX



LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

COST OPINIONS



COST DETAIL SUMMARY

COST DETAIL #	OFF ROAD TRAIL SEGMENTS	LENGTH (LF)	SEGMENT COST
	REYNOLDS AVE TO BARNES RD	15474	\$3,286,495.01
	BARNES RD TO VERMILION COUNTRY CLUB	2998	\$588,763.16
	VERMILION COUNTRY CLUB TO SHEROD PARK	6058	\$1,516,788.16
	SHEROD PARK TO DECATUR ST	6556	\$1,062,623.11
	DACATUR ST TO SALEM DR	6368	\$1,130,861.59
	SALEM DR TO VERMILION EASTERN BORDER	17580	\$2,368,814.02
	LORAIN WESTERN BORDER TO OH-6 INTERCHANGE	18612	\$2,494,112.34
	OH-6 INTERCHANGE TO LAKEVIEW PARK	7922	\$1,920,333.89
	LAKEVIEW PARK TO BROADWAY AVE	6408	\$1,743,317.93
	BROADWAY AVE TO ABBOTSFORD DR	13180	\$3,989,519.58
	SHEFFIELD LAKE WESTERN BOARDER TO SHEFFIELD LAKE EASTERN BORDER	18336	\$5,239,195.72
	AVON LAKE WESTERN BORDER TO AVON LAKE EASTERN BORDER	28442	\$6,699,076.39
	TOTAL	147934	\$32,039,900.90

Assumptions:

- 1 All facilities were assumed to meet AASHTO design standards, except a possible exemption for sidepath widths in areas with limited right-of-way
- 2 Costs not included for temporary grading easements
- 3 No wetland or other water deliniations were performed. No mitigation costs for potential impacts were included
- 4 No public right-of way costs were included
- 5 The cost opinion is based on 2016 construction costs
- 6 All improvements/projects were assumed to be publicly bid
- 7 No traffic studies were included
- 8 Soils are assumed structurally suitable
- 9 Asphalt off-road multi-purpose trail is 10' wide unless otherwise indicated
- 10 Cost inflation assumptions per ODOT 2017 Construction Cost Estimator Forecast
- 11 No land acquisition costs included or assumed
- 12 Terminates at existing intersection, no additional intersection enhancements included
- 13 Assumed that 25% of driveways will need to be rehabilitated

COST DETAIL: REYNOLDS AVE TO BARNES RD

LENGTH: 15474 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$35,300.00	\$35,300.00
SPECIAL	SIGN RELOCATION	23	EACH	\$200.00	\$4,600.00
SPECIAL	MANHOLE ADJUST TO GRADE	2	EACH	\$800.00	\$1,600.00
SPECIAL	RELOCATE HYDRANT	6	EACH	\$3,000.00	\$18,000.00
SPECIAL	RELOCATE CATCH BASIN	6	EACH	\$800.00	\$4,800.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	2	LS	\$1,500.00	\$3,000.00
SPECIAL	MAILBOX REPLACEMENT	41	EA	\$300.00	\$12,300.00
	Subtotal				\$79,600.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	2292	CU YD	\$30.00	\$68,773.33
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	1719	CU YD	\$8.00	\$13,754.67
209E60200	LINEAR GRADING	15474	LF	\$5.00	\$77,370.00
204E10000	SUBGRADE COMPACTION	20632	SQ YD	\$4.50	\$92,844.00
	Subtotal				\$252,742.00
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$32,000.00	\$32,000.00
	Subtotal				\$32,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	2866	CU YD	\$68.00	\$194,857.78
608E10000	8' WIDE CONCRETE WALK (T=4")	123792	SF	\$8.00	\$990,336.00
407E10000	TACK COAT	9284	GAL	\$2.50	\$23,211.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	159	EACH	\$1,500.00	\$239,211.00
SPECIAL	UTILITY POLE RELOCATION	24	EACH	\$5,000.00	\$120,000.00
SPECIAL	DRIVEWAY REHAB	15	EACH	\$3,000.00	\$43,500.00
	Subtotal				\$1,611,115.78
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	9	LS	\$500.00	\$4,500.00
SPECIAL	TRAIL SIGNAGE	11	EACH	\$50.00	\$560.00
644E19000	SHARED LANE MARKING	17	EACH	\$350.00	\$6,069.00
644E01630	BIKE LANE SYMBOL MARKING	62	EACH	\$300.00	\$18,568.80
644E00200	EDGE LINE, 4"	6	MILE	\$1,100.00	\$6,447.50
SPECIAL	TRAIL STRIPING	3	MILE	\$2,500.00	\$7,326.71
	Subtotal				\$43,472.01
	Landscape				
SPECIAL	RESPREAD TOPSOIL	573	CU YD	\$4.00	\$2,292.44
659E10000	TRAIL SEEDING AND MULCHING	6877	SQ Y	\$2.00	\$13,754.67
	Subtotal				\$16,047.11
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$30,000.00	\$30,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$20,000.00	\$20,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$60,000.00
	TOTAL				\$2,094,976.90
	CONTINGENCY (25%)				\$523,744.22
	GENERAL CONDITIONS (4%)				\$104,748.84
	BONDS AND INSURANCES (2.5%)				\$65,468.03
	MOBILIZATION AND DEMOBILIZATION (1%)				\$26,187.21
	ENGINEERING AND DOCUMENTS (18%)				\$471,369.80
	ASPHALT TRAIL TOTAL				\$3,286,495.01
	Assumptions:			2018	\$3,358,797.90
				2019	\$3,493,149.81
1	See general assumptions			2020	\$3,622,396.36
				2021	\$3,749,180.23
				2022	\$3,872,903.18

COST DETAIL: BARNES RD TO VERMILION COUNTRY CLUB

LENGTH: 2998 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000.00
SPECIAL	SIGN RELOCATION	1	EACH	\$200.00	\$200.00
SPECIAL	MANHOLE ADJUST TO GRADE	1	EACH	\$800.00	\$800.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	1	LS	\$1,500.00	\$1,500.00
SPECIAL	MAILBOX REPLACEMENT	31	EACH	\$300.00	\$9,300.00
	Subtotal				\$21,800.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	278	CU YD	\$30.00	\$8,327.78
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	250	CU YD	\$8.00	\$1,998.67
209E60200	LINEAR GRADING	2998	LF	\$5.00	\$14,990.00
204E10000	SUBGRADE COMPACTION	2998	SQ YD	\$4.50	\$13,491.00
	Subtotal				\$38,807.44
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$6,000.00	\$6,000.00
	Subtotal				\$6,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	389	CU YD	\$68.00	\$26,426.81
608E10000	5' WIDE CONCRETE WALK (T=4")	14990	SF	\$6.00	\$89,940.00
407E10000	TACK COAT	1124	GAL	\$2.50	\$2,810.63
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	3	EACH	\$1,500.00	\$4,497.00
SPECIAL	UTILITY POLE RELOCATION	25	EACH	\$5,000.00	\$125,000.00
SPECIAL	DRIVEWAY REHAB	8	EACH	\$3,000.00	\$23,250.00
	Subtotal				\$271,924.44
	At Grade Crossings, Road Markings and Incidentals				
SPECIAL	TRAIL SIGNAGE	1	EACH	\$50.00	\$50.00
644E19000	SHARED LANE MARKING	1	EACH	\$350.00	\$350.00
644E01630	BIKE LANE SYMBOL MARKING	12	EACH	\$300.00	\$3,597.60
644E00200	EDGE LINE, 4"	1	MILE	\$1,100.00	\$1,249.17
SPECIAL	TRAIL STRIPING	1	MILE	\$2,500.00	\$1,419.51
	Subtotal				\$6,666.28
	Landscape				
SPECIAL	RESPREAD TOPSOIL	111	CU YD	\$4.00	\$444.15
659E10000	TRAIL SEEDING AND MULCHING	1332	SQ Y	\$2.00	\$2,664.89
	Subtotal				\$3,109.04
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$7,000.00	\$7,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$15,000.00	\$15,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$5,000.00	\$5,000.00
	Subtotal				\$27,000.00
	TOTAL				\$375,307.20
	CONTINGENCY (25%)				\$93,826.80
	GENERAL CONDITIONS (4%)				\$18,765.36
	BONDS AND INSURANCES (2.5%)				\$11,728.35
	MOBILIZATION AND DEMOBILIZATION (1%)				\$4,691.34
	ENGINEERING AND DOCUMENTS (1.8%)				\$8,444.12
	ASPHALT TRAIL TOTAL				\$588,763.16
	Assumptions:			2018	\$601,715.95
	1. See general assumptions			2019	\$625,784.59
				2020	\$648,938.62
				2021	\$671,651.47
				2022	\$693,815.97

COST DETAIL: VERMILION COUNTRY CLUB TO SHEROD PARK

LENGTH: 6058 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$13,800.00	\$13,800.00
SPECIAL	SIGN RELOCATION	11	EACH	\$200.00	\$2,200.00
SPECIAL	MANHOLE ADJUST TO GRADE	1	EACH	\$800.00	\$800.00
SPECIAL	RELOCATE CATCH BASIN	4	EACH	\$800.00	\$3,200.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	2	LS	\$1,500.00	\$3,000.00
SPECIAL	MAILBOX REPLACEMENT	34	EACH	\$300.00	\$10,200.00
	Subtotal				\$33,200.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	1182	CU YD	\$30.00	\$35,457.78
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	673	CU YD	\$8.00	\$5,384.89
209E60200	LINEAR GRADING	6058	LF	\$5.00	\$30,290.00
204E10000	SUBGRADE COMPACTION	8077	SQ YD	\$4.50	\$36,348.00
	Subtotal				\$107,480.67
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$14,000.00	\$14,000.00
	Subtotal				\$14,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	1122	CU YD	\$68.00	\$76,285.93
608E10000	8" WIDE CONCRETE WALK (T=4")	48464	SF	\$8.00	\$387,712.00
448E46904	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	224	CU YD	\$175.00	\$39,264.81
407E10000	TACK COAT	3635	GAL	\$2.50	\$9,087.00
609E14000	CURB, TYPE 6	220	LF	\$20.00	\$4,400.00
604E04500	CATCH BASIN	2	EACH	\$3,000.00	\$6,300.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	6	EACH	\$1,500.00	\$9,087.00
SPECIAL	UTILITY POLE RELOCATION	18	EACH	\$5,000.00	\$90,000.00
SPECIAL	DRIVEWAY REHAB	2	EACH	\$3,000.00	\$4,500.00
	Subtotal				\$626,636.74
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	31	LS	\$500.00	\$15,500.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	1	LS	\$30,000.00	\$30,000.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$50.00	\$93.00
644E19000	SHARED LANE MARKING	3	EACH	\$350.00	\$1,022.00
644E01630	BIKE LANE SYMBOL MARKING	24	EACH	\$300.00	\$7,269.60
644E00200	EDGE LINE, 4"	2	MILE	\$1,100.00	\$2,524.17
SPECIAL	TRAIL STRIPING	1	MILE	\$2,500.00	\$2,868.37
	Subtotal				\$59,277.14
	Node/Plaza				
SPECIAL	Node/Plaza	1	LS	\$60,000.00	\$60,000.00
	Subtotal				\$60,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	224	CU YD	\$4.00	\$897.48
659E10000	TRAIL SEEDING AND MULCHING	2692	SQ Y	\$2.00	\$5,384.89
	Subtotal				\$6,282.37
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$30,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$60,000.00
	TOTAL				\$966,876.92
	CONTINGENCY (25%)				\$241,719.23
	GENERAL CONDITIONS (4%)				\$48,343.85
	BONDS AND INSURANCES (2.5%)				\$30,214.90
	MOBILIZATION AND DEMOBILIZATION (1%)				\$12,085.96
	ENGINEERING AND DOCUMENTS (18%)				\$217,547.31
	ASPHALT TRAIL TOTAL				\$1,516,788.16
	Assumptions:			2018	\$1,550,157.50
	1 See general assumptions			2019	\$1,612,163.80
				2020	\$1,671,813.86
				2021	\$1,730,327.35
				2022	\$1,787,428.15

COST DETAIL: SHEROD PARK TO DECATUR ST

LENGTH: 6556 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LF	\$8,100.00	\$8,100.00
202E23500	ASPHALT OR CONCRETE REMOVAL	1336	SY	\$8.00	\$10,688.00
SPECIAL	SIGN RELOCATION	10	EACH	\$200.00	\$2,000.00
SPECIAL	RELOCATE HYDRANT	1	EACH	\$3,000.00	\$3,000.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	1	LS	\$1,500.00	\$1,500.00
SPECIAL	MAILBOX REPLACEMENT	11	EACH	\$300.00	\$3,300.00
	Subtotal				\$28,588.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	1214	CU YD	\$30.00	\$36,422.22
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	850	CU YD	\$8.00	\$6,798.81
209E60200	LINEAR GRADING	6556	LF	\$5.00	\$32,780.00
204E10000	SUBGRADE COMPACTION	10198	SQ YD	\$4.50	\$45,892.00
	Subtotal				\$121,893.04
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$14,000.00	\$14,000.00
	Subtotal				\$14,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	1457	CU YD	\$68.00	\$99,068.44
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	304	CU YD	\$175.00	\$53,115.74
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	304	CU YD	\$175.00	\$53,115.74
407E10000	TACK COAT	4917	GAL	\$2.50	\$12,292.50
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	7	EACH	\$1,500.00	\$9,834.00
SPECIAL	UTILITY POLE RELOCATION	17	EACH	\$5,000.00	\$85,000.00
SPECIAL	DRIVEWAY REHAB	9	EACH	\$3,000.00	\$25,500.00
	Subtotal				\$337,926.43
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	7	LS	\$500.00	\$3,500.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	1	LS	\$30,000.00	\$30,000.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$50.00	\$120.00
644E19000	SHARED LANE MARKING	2	EACH	\$350.00	\$840.00
644E01630	BIKE LANE SYMBOL MARKING	26	EACH	\$300.00	\$7,867.20
644E00200	EDGE LINE, 4"	2	MILE	\$1,100.00	\$2,731.67
SPECIAL	TRAIL STRIPING	1	MILE	\$2,500.00	\$3,104.17
	Subtotal				\$48,163.04
	Node/Plaza				
SPECIAL	Node/Plaza	1	LS	\$60,000.00	\$60,000.00
	Subtotal				\$60,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	243	CU YD	\$4.00	\$971.26
659E10000	TRAIL SEEDING AND MULCHING	2914	SQ Y	\$2.00	\$5,827.56
	Subtotal				\$6,798.81
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$30,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$60,000.00
	TOTAL				\$677,369.31
	CONTINGENCY (25%)				\$169,342.33
	GENERAL CONDITIONS (4%)				\$33,868.47
	BONDS AND INSURANCES (2.5%)				\$21,167.79
	MOBILIZATION AND DEMOBILIZATION (1%)				\$8,467.12
	ENGINEERING AND DOCUMENTS (18%)				\$152,408.10
	ASPHALT TRAIL TOTAL				\$1,062,623.11
	Assumptions:			2018	\$1,086,000.82
	1 See general assumptions			2019	\$1,129,440.85
				2020	\$1,171,230.16
				2021	\$1,212,223.22
				2022	\$1,252,226.58

COST DETAIL: DACATUR ST TO SALEM DR

LENGTH: 6368 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$5,000.00	\$5,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	2347	SY	\$8.00	\$18,773.33
SPECIAL	SIGN RELOCATION	3	EACH	\$200.00	\$600.00
	Subtotal				\$24,373.33
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	690	CU YD	\$30.00	\$20,712.22
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	1720	CU YD	\$8.00	\$13,756.44
209E60200	LINEAR GRADING	6368	LF	\$5.00	\$31,840.00
204E10000	SUBGRADE COMPACTION	4951	SQ YD	\$4.50	\$22,279.00
	Subtotal				\$88,587.67
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$14,000.00	\$14,000.00
	Subtotal				\$14,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	1179	CU YD	\$68.00	\$80,189.63
608E10000	8' WIDE CONCRETE WALK (T=4")	33704	SF	\$8.00	\$269,632.00
407E10000	TACK COAT	2796	GAL	\$2.50	\$6,990.38
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	6	EACH	\$1,500.00	\$9,552.00
SPECIAL	UTILITY POLE RELOCATION	12	EACH	\$5,000.00	\$60,000.00
SPECIAL	UTILITY BOX RELOCATION	13	EACH	\$5,000.00	\$65,000.00
SPECIAL	DRIVEWAY REHAB	5	EACH	\$3,000.00	\$15,750.00
	Subtotal				\$507,114.00
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	11	LS	\$500.00	\$5,500.00
644E19000	SHARED LANE MARKING	4	EACH	\$350.00	\$1,379.00
644E01630	BIKE LANE SYMBOL MARKING	25	EACH	\$300.00	\$7,641.60
644E00200	EDGE LINE, 4"	2	MILE	\$1,100.00	\$2,653.33
SPECIAL	TRAIL STRIPING	1	MILE	\$2,500.00	\$3,015.15
	Subtotal				\$20,189.09
	Landscape				
SPECIAL	RESPREAD TOPSOIL	236	CU YD	\$4.00	\$943.41
659E10000	TRAIL SEEDING AND MULCHING	2830	SQ Y	\$2.00	\$5,660.44
	Subtotal				\$6,603.85
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$30,000.00	\$30,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$60,000.00
	TOTAL				\$720,867.94
	CONTINGENCY (25%)				\$180,216.99
	GENERAL CONDITIONS (4%)				\$36,043.40
	BONDS AND INSURANCES (2.5%)				\$22,527.12
	MOBILIZATION AND DEMOBILIZATION (1%)				\$9,010.85
	ENGINEERING AND DOCUMENTS (18%)				\$162,195.29
	ASPHALT TRAIL TOTAL				\$1,130,861.59
	Assumptions:			2018	\$1,155,740.54
	1 See general assumptions			2019	\$1,201,970.16
				2020	\$1,246,443.06
				2021	\$1,290,068.57
				2022	\$1,332,640.83

COST DETAIL: SALEM DR TO VERMILION EASTERN BORDER

LENGTH: 17580 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$38,400.00	\$38,400.00
202E23500	ASPHALT OR CONCRETE REMOVAL	333	SY	\$8.00	\$2,666.67
SPECIAL	SIGN RELOCATION	30	EACH	\$200.00	\$6,000.00
SPECIAL	RELOCATE HYDRANT	1	EACH	\$3,000.00	\$3,000.00
SPECIAL	RELOCATE CATCH BASIN	3	EACH	\$800.00	\$2,400.00
SPECIAL	MAILBOX REPLACEMENT	17	EACH	\$300.00	\$5,100.00
	Subtotal				\$57,566.67
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	3256	CU YD	\$30.00	\$97,666.67
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	2279	CU YD	\$8.00	\$18,231.11
209E60200	LINEAR GRADING	17580	LF	\$5.00	\$87,900.00
204E10000	SUBGRADE COMPACTION	27347	SQ YD	\$4.50	\$123,060.00
	Subtotal				\$326,857.78
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$36,000.00	\$36,000.00
	Subtotal				\$36,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	3907	CU YD	\$68.00	\$265,653.33
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	814	CU YD	\$175.00	\$142,430.56
448E46904	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	814	CU YD	\$175.00	\$142,430.56
407E10000	TACK COAT	13185	GAL	\$2.50	\$32,962.50
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	18	EACH	\$1,500.00	\$26,370.00
SPECIAL	UTILITY POLE RELOCATION	40	EACH	\$5,000.00	\$200,000.00
SPECIAL	UTILITY BOX RELOCATION	1	EACH	\$5,000.00	\$5,000.00
SPECIAL	DRIVEWAY REHAB	16	EACH	\$3,000.00	\$47,250.00
	Subtotal				\$862,096.94
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	16	LS	\$500.00	\$8,000.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	2	LS	\$30,000.00	
SPECIAL	TRAIL SIGNAGE	15	EACH	\$50.00	\$734.00
644E19000	SHARED LANE MARKING	25	EACH	\$350.00	\$8,769.60
644E01630	BIKE LANE SYMBOL MARKING	70	EACH	\$300.00	\$21,096.00
644E00200	EDGE LINE, 4"	7	MILE	\$1,100.00	\$7,325.00
SPECIAL	TRAIL STRIPING	3	MILE	\$2,500.00	\$8,323.87
	Subtotal				\$54,248.47
	Node/Plaza				
SPECIAL	Node/Plaza	1	LS	\$60,000.00	\$60,000.00
	Subtotal				\$60,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	651	CU YD	\$4.00	\$2,604.44
659E10000	TRAIL SEEDING AND MULCHING	7813	SQ Y	\$2.00	\$15,626.67
	Subtotal				\$18,231.11
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$35,000.00	\$35,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$50,000.00	\$50,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$95,000.00
	TOTAL				\$1,510,000.97
	CONTINGENCY (25%)				\$377,500.24
	GENERAL CONDITIONS (4%)				\$75,500.05
	BONDS AND INSURANCES (2.5%)				\$47,187.53
	MOBILIZATION AND DEMOBILIZATION (1%)				\$18,875.01
	ENGINEERING AND DOCUMENTS (18%)				\$339,750.22
	ASPHALT TRAIL TOTAL				\$2,368,814.02
	Assumptions:			2018	\$2,420,927.93
				2019	\$2,517,765.05
	1 See general assumptions			2020	\$2,610,922.35
				2021	\$2,702,304.63
				2022	\$2,791,480.69

COST DETAIL: LORAIN WESTERN BORDER TO OH-6 INTERCHANGE

LENGTH: 18612 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$41,500.00	\$41,500.00
SPECIAL	SIGN RELOCATION	28	EACH	\$200.00	\$5,600.00
SPECIAL	RELOCATE HYDRANT	10	EACH	\$3,000.00	\$30,000.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	1	LS	\$1,500.00	\$1,500.00
SPECIAL	MAILBOX REPLACEMENT	6	EACH	\$300.00	\$1,800.00
	Subtotal				\$80,400.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	3447	CU YD	\$30.00	\$103,400.00
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	2413	CU YD	\$8.00	\$19,301.33
209E60200	LINEAR GRADING	18612	LF	\$5.00	\$93,060.00
204E10000	SUBGRADE COMPACTION	28952	SQ YD	\$4.50	\$130,284.00
	Subtotal				\$346,045.33
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$38,000.00	\$38,000.00
	Subtotal				\$38,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	4136	CU YD	\$68.00	\$281,248.00
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	862	CU YD	\$175.00	\$150,791.67
448E46904	1.5 " ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	862	CU YD	\$175.00	\$150,791.67
407E10000	TACK COAT	13959	GAL	\$2.50	\$34,897.50
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	19	EACH	\$1,500.00	\$27,918.00
SPECIAL	UTILITY POLE RELOCATION	47	EACH	\$5,000.00	\$235,000.00
SPECIAL	UTILITY BOX RELOCATION	1	EACH	\$5,000.00	\$5,000.00
SPECIAL	DRIVEWAY REHAB	3	EACH	\$3,000.00	\$9,750.00
	Subtotal				\$895,396.83
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	4	LS	\$500.00	\$2,000.00
SPECIAL	TRAIL SIGNAGE	9	EACH	\$50.00	\$446.00
644E19000	SHARED LANE MARKING	10	EACH	\$350.00	\$3,381.00
644E01630	BIKE LANE SYMBOL MARKING	74	EACH	\$300.00	\$22,334.40
644E00200	EDGE LINE, 4"	7	MILE	\$1,100.00	\$7,755.00
SPECIAL	TRAIL STRIPING	4	MILE	\$2,500.00	\$8,812.50
	Subtotal				\$44,728.91
	Node/Plaza				
SPECIAL	Node/Plaza	1	LS	\$60,000.00	\$60,000.00
	Subtotal				\$60,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	689	CU YD	\$4.00	\$2,757.33
659E10000	TRAIL SEEDING AND MULCHING	8272	SQ Y	\$2.00	\$16,544.00
	Subtotal				\$19,301.33
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$40,000.00	\$40,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$55,000.00	\$55,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$11,000.00	\$11,000.00
	Subtotal				\$106,000.00
	TOTAL				\$1,589,872.41
	CONTINGENCY (25%)				\$397,468.10
	GENERAL CONDITIONS (4%)				\$79,493.62
	BONDS AND INSURANCES (2.5%)				\$49,683.51
	MOBILIZATION AND DEMOBILIZATION (1%)				\$19,873.41
	ENGINEERING AND DOCUMENTS (18%)				\$357,721.29
	ASPHALT TRAIL TOTAL				\$2,494,112.34
	Assumptions:			2018	\$2,548,982.81
1 See general assumptions				2019	\$2,650,942.12
				2020	\$2,749,026.98
				2021	\$2,845,242.92
				2022	\$2,939,135.94

COST DETAIL: OH-6 INTERCHANGE TO LAKEVIEW PARK

LENGTH: 7922 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$14,200.00	\$14,200.00
202E23500	ASPHALT OR CONCRETE REMOVAL	756	SY	\$8.00	\$6,044.44
SPECIAL	SIGN RELOCATION	21	EACH	\$200.00	\$4,200.00
SPECIAL	MANHOLE ADJUST TO GRADE	4	EACH	\$800.00	\$3,200.00
SPECIAL	RELOCATE HYDRANT	14	EACH	\$3,000.00	\$42,000.00
SPECIAL	RELOCATE CATCH BASIN	20	EACH	\$800.00	\$16,000.00
SPECIAL	MAILBOX REPLACEMENT	2	EACH	\$300.00	\$600.00
	Subtotal				\$88,244.44
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	1174	CU YD	\$30.00	\$35,208.89
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	880	CU YD	\$8.00	\$7,041.78
209E60200	LINEAR GRADING	7922	LF	\$5.00	\$39,610.00
204E10000	SUBGRADE COMPACTION	10563	SQ YD	\$4.50	\$47,532.00
	Subtotal				\$129,392.67
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$16,000.00	\$16,000.00
	Subtotal				\$16,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	1467	CU YD	\$68.00	\$99,758.52
608E10000	8' WIDE CONCRETE WALK (T=4")	63376	SF	\$8.00	\$507,008.00
407E10000	TACK COAT	4753	GAL	\$2.50	\$11,883.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	8	EACH	\$1,500.00	\$11,883.00
SPECIAL	UTILITY POLE RELOCATION	50	EACH	\$5,000.00	\$250,000.00
SPECIAL	UTILITY BOX RELOCATION	1	EACH	\$5,000.00	\$5,000.00
SPECIAL	DRIVEWAY REHAB	12	EACH	\$3,000.00	\$36,750.00
	Subtotal				\$922,282.52
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	4	LS	\$500.00	\$2,000.00
SPECIAL	TRAIL SIGNAGE	1	EACH	\$50.00	\$53.00
644E19000	SHARED LANE MARKING	1	EACH	\$350.00	\$371.00
644E01630	BIKE LANE SYMBOL MARKING	32	EACH	\$300.00	\$9,506.40
644E00200	EDGE LINE, 4"	3	MILE	\$1,100.00	\$3,300.83
SPECIAL	TRAIL STRIPING	2	MILE	\$2,500.00	\$3,750.95
	Subtotal				\$18,982.18
	Landscape				
SPECIAL	RESPREAD TOPSOIL	293	CU YD	\$4.00	\$1,173.63
659E10000	TRAIL SEEDING AND MULCHING	3521	SQ Y	\$2.00	\$7,041.78
	Subtotal				\$8,215.41
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$15,000.00	\$15,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$20,000.00	\$20,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$8,000.00	\$8,000.00
	Subtotal				\$43,000.00
	TOTAL				\$1,224,117.22
	CONTINGENCY (25%)				\$306,029.30
	GENERAL CONDITIONS (4%)				\$61,205.86
	BONDS AND INSURANCES (2.5%)				\$38,253.66
	MOBILIZATION AND DEMOBILIZATION (1%)				\$15,301.47
	ENGINEERING AND DOCUMENTS (1.8%)				\$275,426.37
	ASPHALT TRAIL TOTAL				\$1,920,333.89
	Assumptions:			2018	\$1,962,581.23
	1 See general assumptions			2019	\$2,041,084.48
				2020	\$2,116,604.61
				2021	\$2,190,685.77
				2022	\$2,262,978.40

COST DETAIL: LAKEVIEW PARK TO BROADWAY AVE

LENGTH: 6408 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$5,000.00	\$5,000.00
202E23500	ASPHALT OR CONCRETE REMOVAL	2347	SY	\$8.00	\$18,773.33
SPECIAL	SIGN RELOCATION	7	EACH	\$200.00	\$1,400.00
SPECIAL	MANHOLE ADJUST TO GRADE	5	EACH	\$800.00	\$4,000.00
SPECIAL	RELOCATE HYDRANT	1	EACH	\$3,000.00	\$3,000.00
SPECIAL	RELOCATE CATCH BASIN	9	EACH	\$800.00	\$7,200.00
	Subtotal				\$39,373.33
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	949	CU YD	\$30.00	\$28,480.00
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	712	CU YD	\$8.00	\$5,696.00
209E60200	LINEAR GRADING	6408	LF	\$5.00	\$32,040.00
204E10000	SUBGRADE COMPACTION	8544	SQ YD	\$4.50	\$38,448.00
	Subtotal				\$104,664.00
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$14,000.00	\$14,000.00
	Subtotal				\$14,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	1187	CU YD	\$68.00	\$80,693.33
448E46020	1.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22	237	CU YD	\$175.00	\$41,533.33
448E46904	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG70-22M	237	CU YD	\$175.00	\$41,533.33
407E10000	TACK COAT	3845	GAL	\$2.50	\$9,612.00
609E14000	CURB, TYPE 6	6408	LF	\$20.00	\$128,160.00
604E04500	CATCH BASIN	23	EACH	\$3,000.00	\$69,120.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	6	EACH	\$1,500.00	\$9,612.00
SPECIAL	UTILITY POLE RELOCATION	59	EACH	\$5,000.00	\$295,000.00
SPECIAL	DRIVEWAY REHAB	11	EACH	\$3,000.00	\$33,750.00
	Subtotal				\$709,014.00
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	13	LS	\$500.00	\$6,500.00
SPECIAL	TRAIL SIGNAGE	6	EACH	\$50.00	\$310.00
644E19000	SHARED LANE MARKING	1	EACH	\$350.00	\$378.00
644E01630	BIKE LANE SYMBOL MARKING	26	EACH	\$300.00	\$7,689.60
644E00200	EDGE LINE, 4"	2	MILE	\$1,100.00	\$2,670.00
SPECIAL	TRAIL STRIPING	1	MILE	\$2,500.00	\$3,034.09
	Subtotal				\$20,581.69
	Node/Plaza				
SPECIAL	Node/Plaza	3	LS	\$60,000.00	\$180,000.00
	Subtotal				\$180,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	237	CU YD	\$4.00	\$949.33
659E10000	TRAIL SEEDING AND MULCHING	2848	SQ Y	\$2.00	\$5,696.00
	Subtotal				\$6,645.33
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$12,000.00	\$12,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$17,000.00	\$17,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$8,000.00	\$8,000.00
	Subtotal				\$37,000.00
	TOTAL				\$1,111,278.36
	CONTINGENCY ((25%)				\$277,819.59
	GENERAL CONDITIONS (4%)				\$55,563.92
	BONDS AND INSURANCES (2.5%)				\$34,727.45
	MOBILIZATION AND DEMOBILIZATION (1%)				\$13,890.98
	ENGINEERING AND DOCUMENTS (18%)				\$250,037.63
	ASPHALT TRAIL TOTAL				\$1,743,317.93
	Assumptions:			2018	\$1,781,670.92
				2019	\$1,852,937.76
	1 See general assumptions			2020	\$1,921,496.45
				2021	\$1,988,748.83
				2022	\$2,054,377.54

COST DETAIL: BROADWAY AVE TO ABBOTSFORD DR

LENGTH: 13180 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$28,800.00	\$28,800.00
202E23500	ASPHALT OR CONCRETE REMOVAL	247	SY	\$8.00	\$1,976.89
SPECIAL	SIGN RELOCATION	29	EACH	\$200.00	\$5,800.00
SPECIAL	MANHOLE ADJUST TO GRADE	18	EACH	\$800.00	\$14,400.00
SPECIAL	RELOCATE CATCH BASIN	13	EACH	\$800.00	\$10,400.00
SPECIAL	RELOCATE HYDRANT	13	EACH	\$3,000.00	\$39,000.00
SPECIAL	MAILBOX REPLACEMENT	1	EACH	\$300.00	\$300.00
	Subtotal				\$28,800.00
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	1953	CU YD	\$30.00	\$58,577.78
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	1464	CU YD	\$8.00	\$11,715.56
209E60200	LINEAR GRADING	13180	LF	\$5.00	\$65,900.00
204E10000	SUBGRADE COMPACTION	17573	SQ YD	\$4.50	\$79,080.00
	Subtotal				\$215,273.33
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$56,000.00	\$56,000.00
	Subtotal				\$56,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	2441	CU YD	\$68.00	\$165,970.37
608E10000	8' WIDE CONCRETE WALK (T=4')	105440	SF	\$8.00	\$843,520.00
407E10000	TACK COAT	7908	GAL	\$2.50	\$19,770.00
609E14000	CURB, TYPE 6	13,180	LF	\$20.00	\$263,600.00
604E04500	CATCH BASIN	53	EACH	\$3,000.00	\$158,700.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	13	EACH	\$1,500.00	\$19,770.00
SPECIAL	UTILITY POLE RELOCATION	104	EACH	\$5,000.00	\$520,000.00
SPECIAL	DRIVEWAY REHAB	38	EACH	\$3,000.00	\$112,500.00
	Subtotal				\$2,103,830.37
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	12	LS	\$500.00	\$6,000.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	2	LS	\$30,000.00	\$60,000.00
644E01630	BIKE LANE SYMBOL MARKING	53	EACH	\$300.00	\$15,816.00
644E00200	EDGE LINE, 4"	5	MILE	\$1,100.00	\$5,491.67
SPECIAL	TRAIL STRIPING	2	MILE	\$2,500.00	\$6,240.53
	Subtotal				\$93,548.20
	Node/Plaza				
SPECIAL	Node/Plaza	2	LS	\$60,000.00	\$120,000.00
	Subtotal				\$120,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	488	CU YD	\$4.00	\$1,952.59
659E10000	TRAIL SEEDING AND MULCHING	5858	SQ Y	\$2.00	\$11,715.56
	Subtotal				\$13,668.15
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$2,000.00	\$2,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$10,000.00	\$10,000.00
	Subtotal				\$32,000.00
	TOTAL				\$2,543,120.05
	CONTINGENCY (25%)				\$635,780.01
	GENERAL CONDITIONS (4%)				\$127,156.00
	BONDS AND INSURANCES (2.5%)				\$79,472.50
	MOBILIZATION AND DEMOBILIZATION (1%)				\$31,789.00
	ENGINEERING AND DOCUMENTS (18%)				\$572,202.01
	ASPHALT TRAIL TOTAL				\$3,989,519.58
	Assumptions:			2018	\$4,077,289.01
	1 See general assumptions			2019	\$4,240,380.57
				2020	\$4,397,274.66
				2021	\$4,551,179.27
				2022	\$4,701,368.18



COST DETAIL: SHEFFIELD LAKE WESTERN BORDER TO SHEFFIELD LAKE EASTERN BORDER

LENGTH: 18336 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$22,600.00	\$22,600.00
202E23500	ASPHALT OR CONCRETE REMOVAL	3744	SY	\$8.00	\$29,948.44
SPECIAL	SIGN RELOCATION	37	EACH	\$200.00	\$7,400.00
SPECIAL	MANHOLE ADJUST TO GRADE	54	EACH	\$800.00	\$43,200.00
SPECIAL	RELOCATE CATCH BASIN	4	EACH	\$3,000.00	\$12,000.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	135	LS	\$1,500.00	\$202,500.00
SPECIAL	MAILBOX REPLACEMENT	148	EACH	\$300.00	\$44,400.00
	Subtotal				\$362,048.44
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	2716	CU YD	\$30.00	\$81,493.33
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	2037	CU YD	\$8.00	\$16,298.67
209E60200	LINEAR GRADING	18336	LF	\$5.00	\$91,680.00
204E10000	SUBGRADE COMPACTION	24448	SQ YD	\$4.50	\$110,016.00
	Subtotal				\$299,488.00
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$76,000.00	\$76,000.00
	Subtotal				\$76,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	3396	CU YD	\$68.00	\$230,897.78
608E10000	8' WIDE CONCRETE WALK (T=4')	146688	SF	\$8.00	\$1,173,504.00
407E10000	TACK COAT	11002	GAL	\$2.50	\$27,504.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	18	EACH	\$1,500.00	\$27,504.00
SPECIAL	UTILITY POLE RELOCATION	31	EACH	\$5,000.00	\$155,000.00
SPECIAL	UTILITY BOX RELOCATION	5	EACH	\$5,000.00	\$25,000.00
SPECIAL	DRIVEWAY REHAB	44	EACH	\$3,000.00	\$132,000.00
	Subtotal				\$1,771,409.78
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	20	LS	\$500.00	\$10,000.00
SPECIAL	RRFB SIGNAL	2	LS	\$25,000.00	\$50,000.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	8	LS	\$30,000.00	\$240,000.00
SPECIAL	TRAIL SIGNAGE	1	EACH	\$55.00	\$55.00
644E19000	SHARED LANE MARKING	1	EACH	\$350.00	\$385.00
644E01630	BIKE LANE SYMBOL MARKING	73	EACH	\$300.00	\$22,003.20
644E00200	EDGE LINE, 4"	7	MILE	\$1,100.00	\$7,640.00
SPECIAL	TRAIL STRIPING	3	MILE	\$2,500.00	\$8,681.82
	Subtotal				\$338,765.02
	Node/Plaza				
SPECIAL	Node/Plaza	7	LS	\$60,000.00	\$420,000.00
	Subtotal				\$420,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	679	CU YD	\$4.00	\$2,716.44
659E10000	TRAIL SEEDING AND MULCHING	8149	SQ Y	\$2.00	\$16,298.67
	Subtotal				\$19,015.11
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$40,000.00	\$40,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$2,000.00	\$2,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$11,000.00	\$11,000.00
	Subtotal				\$53,000.00
	TOTAL				\$3,339,726.36
	CONTINGENCY ((25%)				\$834,931.59
	GENERAL CONDITIONS (4%)				\$166,986.32
	BONDS AND INSURANCES (2.5%)				\$104,366.45
	MOBILIZATION AND DEMOBILIZATION (1%)				\$41,746.58
	ENGINEERING AND DOCUMENTS (18%)				\$751,438.43
	ASPHALT TRAIL TOTAL				\$5,239,195.72
	Assumptions:			2018	\$5,354,458.03
	1 See general assumptions			2019	\$5,568,636.35
				2020	\$5,774,675.89
				2021	\$5,976,789.55
				2022	\$6,174,023.61

COST DETAIL: AVON LAKE WESTERN BORDER TO AVON LAKE EASTERN BORDER

LENGTH: 28442 LF

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
	Site Preparation/Demolition				
201E11000	CLEARING AND GRUBBING	1	LS	\$43,250.00	\$43,250.00
202E23500	ASPHALT OR CONCRETE REMOVAL	4207	SY	\$8.00	\$33,656.89
SPECIAL	SIGN RELOCATION	52	EACH	\$200.00	\$10,400.00
SPECIAL	MANHOLE ADJUST TO GRADE	11	EACH	\$800.00	\$8,800.00
SPECIAL	RELOCATE HYDRANT	8	EACH	\$3,000.00	\$24,000.00
SPECIAL	RELOCATE CATCH BASIN	4	EACH	\$800.00	\$3,200.00
SPECIAL	DEMO ROW ENCROACHMENT AND REPLACE	22	LS	\$1,500.00	\$33,000.00
SPECIAL	MAILBOX REPLACEMENT	163	EACH	\$300.00	\$48,900.00
	Subtotal				\$205,206.89
	Earthwork				
203E10000	EXCAVATION & EMBANKMENT	4214	CU YD	\$30.00	\$126,408.89
SPECIAL	TOPSOIL STRIPPING AND STOCKPILING	3160	CU YD	\$8.00	\$25,281.78
209E60200	LINEAR GRADING	28442	LF	\$5.00	\$142,210.00
204E10000	SUBGRADE COMPACTION	37923	SQ YD	\$4.50	\$170,652.00
	Subtotal				\$464,552.67
	Erosion Control				
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$116,000.00	\$116,000.00
	Subtotal				\$116,000.00
	Pavement and Utilities				
304E20000	6" AGGREGATE BASE	5267	CU YD	\$68.00	\$358,158.52
608E10000	8' WIDE CONCRETE WALK (T=4")	227536	SF	\$8.00	\$1,820,288.00
407E10000	TACK COAT	17065	GAL	\$2.50	\$42,663.00
609E14000	CURB, TYPE 6	1486	LF	\$20.00	\$29,720.00
604E04500	CATCH BASIN	7	EACH	\$3,000.00	\$22,290.00
SPECIAL	12" HDPE 30 LF PROPOSED CULVERT	28	EACH	\$1,500.00	\$42,663.00
SPECIAL	UTILITY POLE RELOCATION	25	EACH	\$5,000.00	\$125,000.00
SPECIAL	UTILITY BOX RELOCATION	4	EACH	\$5,000.00	\$20,000.00
SPECIAL	DRIVEWAY REHAB	55	EACH	\$3,000.00	\$164,250.00
	Subtotal				\$2,625,032.52
	At Grade Crossings, Road Markings and Incidentals				
642E00590	CROSSWALK	24	LS	\$500.00	\$12,000.00
SPECIAL	MODIFY EXISTING TRAFFIC SIGNAL (PED HEAD/ACTUATOR/INFRASTRUCTURE)	9	LS	\$30,000.00	\$270,000.00
SPECIAL	TRAIL SIGNAGE	1	EACH	\$50.00	\$74.00
644E19000	SHARED LANE MARKING	1	EACH	\$350.00	\$518.00
644E01630	BIKE LANE SYMBOL MARKING	114	EACH	\$300.00	\$34,130.40
644E00200	EDGE LINE, 4"	11	MILE	\$1,100.00	\$11,850.84
SPECIAL	TRAIL STRIPING	5	MILE	\$2,500.00	\$13,466.86
	Subtotal				\$342,040.10
	Node/Plaza				
SPECIAL	Node/Plaza	7	LS	\$60,000.00	\$420,000.00
	Subtotal				\$420,000.00
	Landscape				
SPECIAL	RESPREAD TOPSOIL	1053	CU YD	\$4.00	\$4,213.63
659E10000	TRAIL SEEDING AND MULCHING	12641	SQ Y	\$2.00	\$25,281.78
	Subtotal				\$29,495.41
	Construction Survey & Layout				
SPECIAL	SURVEY AND LAYOUT	1	LS	\$50,000.00	\$50,000.00
614E11000	MAINTAINING TRAFFIC	1	LS	\$3,000.00	\$3,000.00
SPECIAL	MATERIALS TESTING AND INSPECTION (ALLOWANCE)	1	LS	\$15,000.00	\$15,000.00
	Subtotal				\$68,000.00
	TOTAL				\$4,270,327.58
	CONTINGENCY (25%)				\$1,067,581.89
	GENERAL CONDITIONS (4%)				\$213,516.38
	BONDS AND INSURANCES (2.5%)				\$133,447.74
	MOBILIZATION AND DEMOBILIZATION (1%)				\$53,379.09
	ENGINEERING AND DOCUMENTS (18%)				\$960,823.71
	ASPHALT TRAIL TOTAL				\$6,699,076.39
	Assumptions:			2018	\$6,846,456.07
				2019	\$7,120,314.31
1	See general assumptions			2020	\$7,383,765.94
				2021	\$7,642,197.75
				2022	\$7,894,390.28

COST DETAIL: VERMILION PARK

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SITE + UTILITY COST					
Site Preparation/Demolition					
201	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000.00
202	ASPHALT OR CONCRETE REMOVAL, STOCKPILED AND REUSED	73860	SY	\$20.00	\$1,477,200.00
	BUILDING REMOVAL	38152	SF	\$3.00	\$114,456.00
	MINOR ENVIRONMENTAL REMEDIATION	1	LS	\$30,000.00	\$30,000.00
202	FENCE REMOVAL	3256	LF	\$2.50	\$8,140.00
202	SAW CUT PAVEMENT	125	LF	\$8.00	\$1,000.00
	CONSTRUCTION FENCING	3000	LF	\$4.00	\$12,000.00
Subtotal					\$1,652,796.00
Earthwork					
203	EXCAVATION & EMBANKMENT	298	CY	\$30.00	\$8,926.67
209	LINEAR GRADING	5796	LF	\$3.00	\$17,388.00
653	TOPSOIL FURNISHED AND PLACED	4021	CY	\$40.00	\$160,822.22
Subtotal					\$187,136.89
Pond/Wetland Construction					
203	EXCAVATION & EMBANKMENT	15900	CY	\$30.00	\$477,000.00
SPECIAL	POND	27800	SF	\$3.00	\$83,400.00
SPECIAL	POND, VEGETATION	1	AC	\$27,211.11	\$27,211.11
SPECIAL	WETLAND, BIORETENTION, SUBSURFACE GRAVEL CONSTRUCTED WETLAND	2	AC	\$73,665.14	\$147,330.28
Subtotal					\$734,941.39
Erosion Control					
SPECIAL	SWPPP	1	LS	\$75,000.00	\$75,000.00
Subtotal					\$75,000.00
Parking/Drive					
204	SUBGRADE PREPARATION	7644	SY	\$2.00	\$15,288.89
304	8" AGGREGATE BASE (PARKING)	1751	CY	\$60.00	\$105,037.04
407	TACK COAT - 0.04 GAL/SY	306	GAL	\$2.50	\$764.44
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=3")(PARKING)	637	CY	\$175.00	\$111,481.48
608	ADA CURB RAMP	64	SF	\$16.00	\$1,024.00
609	CURB, TYPE 6	360	LF	\$20.00	\$7,200.00
	WHEEL STOP	84	EACH	\$150.00	\$12,600.00
630	HANDICAP PARKING SIGN	4	EACH	\$250.00	\$1,000.00
641	PARKING LOT PAVEMENT MARKINGS	1800	FT	\$4.00	\$7,200.00
642	HANDICAP SYMBOL MARKING, AS PER PLAN	4	EACH	\$300.00	\$1,200.00
SPECIAL	BIORETENTION, RAIN GARDEN	2000	SF	\$35.00	\$70,000.00
Subtotal					\$332,795.85
Park Paths					
204	SUBGRADE PREPARATION	4608	SY	\$2.00	\$9,216.44
304	AGGREGATE BASE (T=6")	768	CY	\$68.00	\$52,226.52
407	TACK COAT - 0.04 GAL/SY	22	GAL	\$2.50	\$55.53
608	4' WIDE CONCRETE WALK (T=4")	260	SF	\$6.00	\$1,560.00
608	6' WIDE CONCRETE WALK (T=4")	1234	SF	\$6.00	\$7,404.00
608	8' WIDE CONCRETE WALK (T=4")	3504	SF	\$8.00	\$28,032.00
SPECIAL	PREFABRICATED TIMBER DECKING AND FIBERGLASS BEAM BOARDWALK, 8' WIDTH, INCLUDING PIERS	100	FT	\$495.00	\$49,500.00
Subtotal					\$147,994.50
Trail Pavement					
204	SUBGRADE PREPARATION	3758	SY	\$2.00	\$7,516.67
204	SUBGRADE COMPACTION	3758	SY	\$4.50	\$16,912.50
304	AGGREGATE BASE (T=6")	626	CY	\$68.00	\$42,594.44
407	TACK COAT - 0.04 GAL/SY	137	GAL	\$2.00	\$273.33
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG 64-22 (T=1.75")	166	CY	\$175.00	\$29,065.39
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=1.25")	119	CY	\$175.00	\$20,761.00
Subtotal					\$117,123.33
At Grade Crossings, Road Markings and Incidentals					
642	CROSSWALK	1	LS	\$500.00	\$500.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$250.00	\$500.00
Subtotal					\$1,000.00

COST DETAIL: VERMILION PARK

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
Node/Plaza					
304	6" AGGREGATE BASE	178	CY	\$68.00	\$12,088.89
608	DECORATIVE CONCRETE PAVEMENT	9,600	SF	\$10.00	\$96,000.00
607	CHAIN LINK FENCE, 8'	2,910	LF	\$30.00	\$87,300.00
STRUCTURES					
SPECIAL	BOARDWALK PIER WITH TIMBER PILES AND BRACING	1,000	SF	\$75.00	\$75,000.00
SPECIAL	LARGE STONE COLUMN PAVILION SHELTER (OPEN)	2,800	SF	\$80.00	\$224,000.00
AMENITIES					
SPECIAL	KIOSK	3	EACH	\$10,000.00	\$30,000.00
SPECIAL	PARK ENTRY SIGNAGE	1	LS	\$8,000.00	\$8,000.00
SPECIAL	PARK SIGNAGE	6	EACH	\$300.00	\$1,800.00
SPECIAL	TRASH RECEPTACLES	6	EACH	\$1,500.00	\$9,000.00
SPECIAL	DRINKING FOUNTAIN	1	EACH	\$7,000.00	\$7,000.00
SPECIAL	BIKE RACK (3 LOOP)	1	EACH	\$1,500.00	\$1,500.00
SPECIAL	SANDSTONE BENCH	12	EACH	\$1,200.00	\$14,400.00
SPECIAL	FIRE PIT	1	LS	\$10,500.00	\$10,500.00
PERGOLA STRUCTURE					
511	CLASS QC1 CONCRETE, SUBSTRUCTURE	10	CY	\$650.00	\$6,500.00
509	REINFORCING STEEL	500	LB	\$2.00	\$1,000.00
SPECIAL	4x4 PRESSURE TREATED LUMBER RAFTERS, 12' LONG	60	EA	\$25.00	\$1,500.00
513	STRUCTURAL STEEL, MISC., CUSTOM STEEL PERGOLA PIERS	5	EA	\$10,000.00	\$50,000.00
513	STRUCTURAL STEEL, MISC., W5X19 BEAMS, 12' LONG	8	EA	\$350.00	\$2,800.00
SPECIAL	PERGOLA SWINGS, CONNECTIONS, APPURTENANCES, AND ASSEMBLY	1	LS	\$16,000.00	\$16,000.00
Subtotal					\$654,388.89
Lake Overlook					
204	GEOTEXTILE FABRIC	2010	SY	\$3.00	\$6,030.00
511	CLASS QC2 CONCRETE, SUPERSTRUCTURE	400	CY	\$975.00	\$390,000.00
511	CLASS QC1 CONCRETE, SUBSTRUCTURE	190	CY	\$650.00	\$123,500.00
509	REINFORCING STEEL	76300	LB	\$2.00	\$152,600.00
517	RAILING, MISC., 42" STEEL OVERLOOK FENCE	222	FT	\$50.00	\$11,100.00
517	RAILING, MISC., 12' STEEL HANDRAIL ON STAIRS	221	EACH	\$50.00	\$11,050.00
PERGOLA STRUCTURE					
SPECIAL	4x4 PRESSURE TREATED LUMBER RAFTERS, 12' LONG	197	EA	\$25.00	\$4,925.00
513	STRUCTURAL STEEL, MISC., CUSTOM STEEL PERGOLA PIERS	12	EA	\$10,000.00	\$120,000.00
513	STRUCTURAL STEEL, MISC., W5X19 BEAMS, 22' LONG	14	EA	\$560.00	\$7,840.00
513	STRUCTURAL STEEL, MISC., W5X19 BEAMS, 10' LONG	8	EA	\$300.00	\$2,400.00
SPECIAL	PERGOLA SWINGS, CONNECTIONS, APPURTENANCES, AND ASSEMBLY	1	LS	\$32,000.00	\$32,000.00
Subtotal					\$861,445.00
Landscape					
659	LAWN SEEDING	18,899	SY	\$1.50	\$28,347.75
659	PRAIRIE GRASS SEEDING	26,215	SY	\$3.00	\$78,643.50
659	SEEDING AND MULCHING (TRAIL EDGE)	32292	SY	\$2.00	\$64,584.00
SPECIAL	FOREST CREATION	60,000	SF	\$0.75	\$45,000.00
661	TREES (2" CAL.)	50	EACH	\$475.00	\$23,750.00
661	PERENNIALS (#2 CONT)	1,894	EACH	\$15.00	\$28,413.33
661	MULCH, AS PER PLAN (3")	6	CY	\$50.00	\$307.87
SPECIAL	PLANTING SOIL MIX (18" Depth)	37	CY	\$40.00	\$1,477.78
Subtotal					\$270,524.23
Utilities and Drainage					
SPECIAL	LIGHTING (POLES, FIXTURES, FOUNDATION, AND CONDUIT)	47	EACH	\$3,000.00	\$141,000.00
SPECIAL	ELECTRIC POWER SERVICE	1	LS	\$300,000.00	\$300,000.00
SPECIAL	ELECTRIC DIRECT BURY LINE	2100	FT	\$25.00	\$52,500.00
SPECIAL	WATER SERVICE, 12" PLASTIC LINE APPROPRIATE FOR FIRE FLOW	200	FT	\$130.00	\$26,000.00
SPECIAL	SEWER SERVICE, 8" PVC PIPE	200	FT	\$75.00	\$15,000.00
611	18" RCP	170	LF	\$100.00	\$17,000.00
511	NATURAL STONE HEADWALL	4	EACH	\$2,500.00	\$10,000.00
611	CONDUIT, BORED OR JACKED	60	FT	\$300.00	\$18,000.00
Subtotal					\$579,500.00
Construction Survey & Layout					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
Subtotal					\$20,000.00

COST DETAIL: VERMILION PARK

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
TOTAL					\$5,634,646.09
	CONTINGENCY (20%)				\$1,126,929.22
	GENERAL CONDITIONS (4%)				\$270,463.01
	BONDS AND INSURANCES (2.5%)				\$169,039.38
	MOBILIZATION AND DEMOBILIZATION (1%)				\$67,615.75
	ENGINEERING AND DOCUMENTS (18%)				\$1,217,083.55
SITE + UTILITY TOTAL					\$8,485,777.00

BUILDING + DEVELOPMENT COST					
Building + Development (See appendix for detailed Building + Development Costs)					
SPECIAL	BUILDING + DEVELOPMENT	1	LS	\$2,175,000.00	\$2,175,000.00
	BUILDING CONSTRUCTION SOFT COST (30%)				\$652,500.00
Subtotal					\$2,827,500.00
BUILDING + DEVELOPMENT TOTAL					\$2,827,500.00

GRAND TOTAL					\$11,313,277.00
	ODOT COST INFLATOR 2018 (2.20%)				\$11,562,169.10
	ODOT COST INFLATOR 2019 (4.00%)				\$12,024,655.86
	ODOT COST INFLATOR 2020 (3.70%)				\$12,469,568.13
	ODOT COST INFLATOR 2021 (3.50%)				\$12,906,003.01
	ODOT COST INFLATOR 2022 (3.30%)				\$13,331,901.11
	ODOT COST INFLATOR 2023 (3.50%)				\$13,798,517.65
	ODOT COST INFLATOR 2024 (3.50%)				\$14,281,465.77
TOTAL 2024 COST					\$14,281,465.77

Assumptions:

* See Summary Sheet for Assumptions

COST DETAIL: LORAIN, DOWNTOWN

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SITE + UTILITY COST					
Site Preparation/Demolition					
201	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000.00
	BUILDING REMOVAL	38152	SF	\$3.00	\$114,456.00
	MINOR ENVIRONMENTAL REMEDIATION	1	LS	\$30,000.00	\$30,000.00
202	ASPHALT OR CONCRETE REMOVAL	149723	SY	\$22.00	\$3,293,903.56
202	FENCE REMOVAL	4235	LF	\$2.50	\$10,587.50
202	SAW CUT PAVEMENT	1910	LF	\$8.00	\$15,280.00
	CONSTRUCTION FENCING	2510	LF	\$4.00	\$10,040.00
Subtotal					\$3,484,267.06
Earthwork					
203	EXCAVATION & EMBANKMENT	25923	CY	\$30.00	\$777,691.67
209	LINEAR GRADING	3900	LF	\$3.00	\$11,700.00
653	TOPSOIL FURNISHED AND PLACED	6899	CY	\$50.00	\$344,948.15
Subtotal					\$1,134,339.81
Erosion Control					
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$114,000.00	\$114,000.00
Subtotal					\$114,000.00
Roadway, Parking, and Drive					
204	SUBGRADE PREPARATION	48579	SY	\$2.00	\$97,158.22
304	8" AGGREGATE BASE	10795	CY	\$60.00	\$647,721.48
407	TACK COAT - 0.04 GAL/SY	1943	GAL	\$2.50	\$4,857.91
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=3")	4048	CY	\$175.00	\$708,445.37
630	HANDICAP PARKING SIGN	24	EACH	\$250.00	\$6,000.00
641	PARKING LOT PAVEMENT MARKINGS	10050	FT	\$4.00	\$40,200.00
642	HANDICAP SYMBOL MARKING, AS PER PLAN	24	EACH	\$300.00	\$7,200.00
SPECIAL	BIORETENTION, RAIN GARDEN	5770	SF	\$35.00	\$201,950.00
Subtotal					\$1,713,532.99
Concrete Sidewalks					
204	SUBGRADE PREPARATION	27185	SY	\$2.00	\$54,369.33
304	AGGREGATE BASE (T=6")	4531	CY	\$68.00	\$308,092.89
608	CONCRETE WALK (T=6")	244662	SF	\$7.00	\$1,712,634.00
608	CONCRETE CURB RAMP, ADA ACCESSIBLE	64	EACH	\$1,200.00	\$76,800.00
609	CURB, TYPE 6	38800	LF	\$20.00	\$776,000.00
Subtotal					\$2,927,896.22
At Grade Crossings, Road Markings and Incidentals					
642	CROSSWALK	25	LS	\$500.00	\$12,500.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$250.00	\$500.00
Subtotal					\$13,000.00
Node/Plaza Construction					
EARTHWORK					
	MOUND	3586	CY	\$30.00	\$107,580.00
NODE/PLAZA PAVEMENT					
304	6" AGGREGATE BASE	1,765	CY	\$68.00	\$120,026.30
608	DECORATIVE CONCRETE PAVEMENT	95,315	SF	\$10.00	\$953,150.00
BOARDWALK PAVEMENT					
304	6" AGGREGATE BASE	655	CY	\$68.00	\$44,558.89
608	DECORATIVE CONCRETE PAVEMENT	35,385	SF	\$8.50	\$300,772.50
STRUCTURES					
SPECIAL	LARGE STEEL FRAME PAVILION SHELTER (OPEN)	8,300	SF	\$60.00	\$498,000.00
SPECIAL	BOAT DOCK AND SLIPS	2960	LF	\$600.00	\$1,776,000.00
517	RAILING, MISC., 42" STEEL FENCE	6650	LF	\$50.00	\$332,500.00
	SHEETPILE AND ROCK FILL SEA WALL	340	LF	\$4,000.00	\$1,360,000.00
SPLASH PAD					
	PAVEMENT MATERIAL	4670	SF	\$18.00	\$84,060.00
	AT-GRADE SPRAYERS	20	EACH	\$400.00	\$8,000.00
	SPLASH PAD OPERATION SYSTEM	1	LS	\$100,000.00	\$100,000.00
	SPLASH PAD INSTALLATION	1	LS	\$60,000.00	\$60,000.00
BEACH					
	SAND (W=3')	1791	CY	\$90.00	\$161,150.00
	LINER	2260	SF	\$3.00	\$6,780.00
AMENITIES					
SPECIAL	BENCHES, 6'	100	EACH	\$2,500.00	\$250,000.00
SPECIAL	BIKE RACK (3 LOOP)	2	EACH	\$1,500.00	\$3,000.00
SPECIAL	TRASH RECEPTACLES	8	EACH	\$2,000.00	\$16,000.00
SPECIAL	DRINKING FOUNTAIN	1	EACH	\$7,000.00	\$7,000.00
SPECIAL	PUBLIC ART	2	LS	\$30,000.00	\$60,000.00

COST DETAIL: LORAIN, DOWNTOWN

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SPECIAL	PARK ENTRY SIGNAGE	1	LS	\$12,000.00	\$12,000.00
SPECIAL	PARK WAYFINDING SIGNAGE	2	EACH	\$300.00	\$600.00
SPECIAL	KIOSK	3	EACH	\$10,000.00	\$30,000.00
Subtotal					\$6,291,177.69
Landscape					
659	LAWN SEEDING	41,394	SY	\$1.50	\$62,090.67
659	PRAIRIE GRASS SEEDING	4,909	SY	\$3.00	\$14,728.33
SPECIAL	FOREST CREATION	84,094	SF	\$0.75	\$63,070.50
661	TREES (2" CAL.)	350	EACH	\$475.00	\$166,250.00
661	PERENNIALS (#2 CONT)	15,849	EACH	\$12.00	\$190,186.67
661	MULCH, AS PER PLAN (3")	330	CY	\$50.00	\$16,509.26
SPECIAL	PLANTING SOIL MIX (18" Depth)	1,981	CY	\$40.00	\$79,244.44
Subtotal					\$592,079.87
Utilities and Drainage					
839	TRENCH DRAIN WITH PEDESTRIAN GRATE	4156	FT	\$80.00	\$332,480.00
611	12" STORM SEWER (HDPE)	2000	FT	\$75.00	\$150,000.00
611	18" RCP	2000	LF	\$100.00	\$200,000.00
611	CATCH BASIN WITH GRATE	67	EACH	\$1,500.00	\$99,810.00
SPECIAL	LIGHTING (POLES, FIXTURES, FOUNDATION, AND CONDUIT)	457	EACH	\$3,000.00	\$1,370,250.00
SPECIAL	ELECTRIC POWER SERVICE, DIRECT BURY LINE	3670	FT	\$25.00	\$91,750.00
SPECIAL	WATER SERVICE, 12" PLASTIC LINE APPROPRIATE FOR FIRE FLOW, SAWCUT TRENCH	4300	FT	\$125.00	\$537,500.00
SPECIAL	SEWER SERVICE, 8" PVC PIPE, SAWCUT TRENCH	4300	FT	\$100.00	\$430,000.00
611	CONDUIT, BORED OR JACKED	150	FT	\$300.00	\$45,000.00
Subtotal					\$3,256,790.00
Construction Survey & Layout					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
Subtotal					\$20,000.00
TOTAL					\$19,547,083.63
	CONTINGENCY (20%)				\$3,909,416.73
	GENERAL CONDITIONS (4%)				\$938,260.01
	BONDS AND INSURANCES (2.5%)				\$586,412.51
	MOBILIZATION AND DEMOBILIZATION (1%)				\$234,565.00
	ENGINEERING AND DOCUMENTS (18%)				\$4,222,170.06
SITE + UTILITY TOTAL					\$29,437,907.95

BUILDING + DEVELOPMENT COST					
Building + Development (See appendix for detailed Building + Development Costs)					
SPECIAL	BUILDING + DEVELOPMENT	1	LS	\$149,005,600.00	\$149,005,600.00
	BUILDING CONSTRUCTION SOFT COST (30%)				\$44,701,680.00
Subtotal					\$193,707,280.00
BUILDING + DEVELOPMENT TOTAL					\$193,707,280.00

GRAND TOTAL					\$223,145,187.95
	ODOT COST INFLATOR 2018 (2.20%)				\$228,054,382.09
	ODOT COST INFLATOR 2019 (4.00%)				\$237,176,557.37
	ODOT COST INFLATOR 2020 (3.70%)				\$245,952,089.99
	ODOT COST INFLATOR 2021 (3.50%)				\$254,560,413.14
	ODOT COST INFLATOR 2022 (3.30%)				\$262,960,906.78
	ODOT COST INFLATOR 2023 (3.50%)				\$272,164,538.51
	ODOT COST INFLATOR 2024 (3.50%)				\$281,690,297.36
TOTAL 2024 COST					\$281,690,297.36

Assumptions:
 * See Summary Sheet for Assumptions

COST DETAIL: SHEFFIELD LAKE, MARINA

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SITE + UTILITY COST					
Site Preparation/Demolition					
201	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000.00
	BUILDING REMOVAL	164000	SF	\$3.00	\$492,000.00
	MINOR ENVIRONMENTAL REMEDIATION	1	LS	\$75,000.00	\$75,000.00
202	ASPHALT OR CONCRETE REMOVAL	82944	SY	\$22.00	\$1,824,777.78
202	SAW CUT PAVEMENT	790	LF	\$8.00	\$6,320.00
	CONSTRUCTION FENCING	4600	LF	\$4.00	\$18,400.00
Subtotal					\$2,426,497.78
Earthwork					
203	EXCAVATION & EMBANKMENT	371544	CY	\$30.00	\$11,146,333.33
209	LINEAR GRADING	5000	LF	\$3.00	\$15,000.00
653	TOPSOIL FURNISHED AND PLACED	2700	CY	\$50.00	\$135,000.00
Subtotal					\$11,296,333.33
Erosion Control					
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$96,000.00	\$96,000.00
Subtotal					\$96,000.00
Canal/Marina Construction					
	CANAL CREATION	34000	CY	\$30.00	\$1,020,000.00
	RETAINING WALLS	4717	LF	\$750.00	\$3,537,750.00
	CANAL RETAINING WALL	2350	LF	\$4,000.00	\$9,400,000.00
601	RIPRAP, STONE SLOPE PROTECTION	680	SY	\$25.00	\$17,000.00
Subtotal					\$13,974,750.00
Bridge Construction					
610	CELLULAR RETAILING WALL	16000	SF	\$75.00	\$1,200,000.00
SPECIAL	BRIDGE, INCLUDING ABUTMENTS (RT 6)	1	LS	\$2,730,000.00	\$2,730,000.00
SPECIAL	BRIDGE, INCLUDING ABUTMENTS (PEDESTRIAN CROSSING)	1	LS	\$380,000.00	\$380,000.00
Subtotal					\$4,310,000.00
Roadway, Parking, and Drive					
204	SUBGRADE PREPARATION	14944	SY	\$2.00	\$29,888.89
304	8" AGGREGATE BASE	3321	CY	\$60.00	\$199,259.26
407	TACK COAT - 0.04 GAL/SY	598	GAL	\$2.50	\$1,494.44
526	REINFORCED CONCRETE APPROACH SLAB (T=17"), AS PER PLAN (BOAT LAUNCH)	793	SY	\$250.00	\$198,333.33
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=3")	0	CY	\$175.00	\$0.00
609	CURB, TYPE 6	16031	LF	\$20.00	\$320,620.00
630	HANDICAP PARKING SIGN	28	EACH	\$250.00	\$7,000.00
642	HANDICAP SYMBOL MARKING, AS PER PLAN	28	EACH	\$300.00	\$8,400.00
SPECIAL	BIORETENTION, RAIN GARDEN	7300	SF	\$35.00	\$255,500.00
Subtotal					\$1,020,495.93
Concrete Sidewalks					
204	SUBGRADE PREPARATION	14944	SY	\$2.00	\$29,888.89
304	AGGREGATE BASE (T=6")	2491	CY	\$68.00	\$169,370.37
608	CONCRETE WALK (T=6")	134500	SF	\$6.00	\$807,000.00
608	CONCRETE CURB RAMP, ADA ACCESSIBLE	27	EACH	\$1,200.00	\$32,400.00
Subtotal					\$1,038,659.26
At Grade Crossings, Road Markings and Incidentals					
642	CROSSWALK	10	LS	\$500.00	\$5,000.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$250.00	\$500.00
Subtotal					\$5,500.00
Node/Plaza Construction					
SEATING AREAS					
304	6" AGGREGATE BASE	669	CY	\$68.00	\$45,459.26
608	DECORATIVE CONCRETE PAVEMENT	36,100	SF	\$10.00	\$361,000.00
STRUCTURES					
SPECIAL	LARGE PAVILION SHELTER (OPEN)	2,000	SF	\$65.00	\$130,000.00
SPECIAL	BOAT DOCK AND SLIPS	875	LF	\$600.00	\$525,000.00
517	RAILING, MISC., 42" STEEL FENCE	3400	FT	\$50.00	\$170,000.00
AMENITIES					
SPECIAL	BENCHES, 6'	18	EACH	\$2,500.00	\$45,000.00
SPECIAL	BIKE RACK (3 LOOP)	4	EACH	\$1,500.00	\$6,000.00
SPECIAL	TRASH RECEPTACLES	10	EACH	\$750.00	\$7,500.00
SPECIAL	PUBLIC ART	3	LS	\$10,000.00	\$30,000.00
SPECIAL	PARK SIGNAGE	1	EACH	\$300.00	\$300.00
Subtotal					\$1,320,259.26
Landscape					
659	LAWN SEEDING	46,539	SY	\$1.50	\$69,809.17

COST DETAIL: SHEFFIELD LAKE, MARINA

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
659	PRAIRIE GRASS SEEDING	9,750	SY	\$3.00	\$29,250.00
SPECIAL	FOREST CREATION	170,000	SF	\$0.75	\$127,500.00
661	TREES (2" CAL.)	465	EACH	\$475.00	\$220,875.00
661	PERENNIALS (#2 CONT)	3,489	EACH	\$12.00	\$41,866.67
661	MULCH, AS PER PLAN (3")	73	CY	\$50.00	\$3,634.26
SPECIAL	PLANTING SOIL MIX (18" Depth)	436	CY	\$40.00	\$17,444.44
Subtotal					\$510,379.54
Utilities and Drainage					
611	12" STORM SEWER (HDPE)	1650	FT	\$75.00	\$123,750.00
611	18" RCP	5500	LF	\$100.00	\$550,000.00
839	TRENCH DRAIN WITH VEHICLE GRATE	100	FT	\$80.00	\$8,000.00
611	6" UNDERDRAIN	1100	FT	\$15.00	\$16,500.00
611	CATCH BASIN WITH GRATE	37	EACH	\$1,500.00	\$56,100.00
SPECIAL	LIGHTING (POLES, FIXTURES, FOUNDATION, AND CONDUIT)	270	EACH	\$3,000.00	\$810,000.00
SPECIAL	ELECTRIC POWER SERVICE, DIRECT BURY LINE	1900	FT	\$35.00	\$66,500.00
SPECIAL	WATER SERVICE, 12" PLASTIC LINE APPROPRIATE FOR FIRE FLOW, SAWCUT TRENCH	1400	FT	\$150.00	\$210,000.00
SPECIAL	SEWER SERVICE, 8" PVC PIPE, SAWCUT TRENCH	1400	FT	\$125.00	\$175,000.00
SPECIAL	RELOCATE WIND TURBINE	1	LS	\$300,000.00	\$300,000.00
611	CONDUIT, BORED OR JACKED	150	FT	\$300.00	\$45,000.00
Subtotal					\$2,360,850.00
Construction Survey & Layout					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
Subtotal					\$20,000.00
TOTAL					\$38,379,725.09
CONTINGENCY (20%)					\$7,675,945.02
GENERAL CONDITIONS (4%)					\$1,842,226.80
BONDS AND INSURANCES (2.5%)					\$1,151,391.75
MOBILIZATION AND DEMOBILIZATION (1%)					\$460,556.70
ENGINEERING AND DOCUMENTS (18%)					\$8,290,020.62
SITE + UTILITY TOTAL					\$57,799,865.99
BUILDING + DEVELOPMENT COST					
Building + Development Cost (See appendix for detailed Building + Development Costs)					
SPECIAL	BUILDING + DEVELOPMENT COST	1	LS	\$51,075,000.00	\$51,075,000.00
BUILDING CONSTRUCTION SOFT COST (30%)					\$15,322,500.00
Subtotal					\$66,397,500.00
BUILDING + DEVELOPMENT TOTAL					\$66,397,500.00
GRAND TOTAL					\$124,197,365.99
ODOT COST INFLATOR 2018 (2.20%)					\$126,929,708.04
ODOT COST INFLATOR 2019 (4.00%)					\$132,006,896.36
ODOT COST INFLATOR 2020 (3.70%)					\$136,891,151.53
ODOT COST INFLATOR 2021 (3.50%)					\$141,682,341.83
ODOT COST INFLATOR 2022 (3.30%)					\$146,357,859.11
ODOT COST INFLATOR 2023 (3.50%)					\$151,480,384.18
ODOT COST INFLATOR 2024 (3.50%)					\$156,782,197.63
TOTAL 2024 COST					\$156,782,197.63

Assumptions:

* See Summary Sheet for Assumptions

COST DETAIL: AVON LAKE, LAKEFRONT DISTRICT

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
SITE + UTILITY COST					
Site Preparation/Demolition					
201	CLEARING AND GRUBBING	1	LS	\$10,000.00	\$10,000.00
	BUILDING REMOVAL	99790	SF	\$3.00	\$299,370.00
	MINOR ENVIRONMENTAL REMEDIATION	1	LS	\$50,000.00	\$50,000.00
202	ASPHALT OR CONCRETE REMOVAL	39714	SY	\$22.00	\$873,717.78
202	SAW CUT PAVEMENT	1845	LF	\$8.00	\$14,760.00
	CONSTRUCTION FENCING	2540	LF	\$4.00	\$10,160.00
Subtotal					\$1,258,007.78
Earthwork					
203	EXCAVATION & EMBANKMENT	6619	CY	\$30.00	\$198,572.22
209	LINEAR GRADING	2500	LF	\$3.00	\$7,500.00
653	TOPSOIL FURNISHED AND PLACED	1800	CY	\$50.00	\$90,000.00
601	RIPRAP, STONE SLOPE PROTECTION	2681	SY	\$25.00	\$67,013.89
Subtotal					\$363,086.11
Erosion Control					
SPECIAL	EROSION AND SEDIMENT CONTROL	1	LS	\$66,000.00	\$66,000.00
Subtotal					\$66,000.00
Roadway, Parking, and Drive					
204	SUBGRADE PREPARATION	19740	SY	\$2.00	\$39,480.00
304	8" AGGREGATE BASE	4387	CY	\$60.00	\$263,200.00
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=3")	1645	CY	\$175.00	\$287,875.00
630	HANDICAP PARKING SIGN	12	EACH	\$250.00	\$3,000.00
641	PARKING LOT PAVEMENT MARKINGS	5075	FT	\$4.00	\$20,300.00
642	HANDICAP SYMBOL MARKING, AS PER PLAN	12	EACH	\$300.00	\$3,600.00
SPECIAL	BIORETENTION, RAIN GARDEN	3720	SF	\$35.00	\$130,200.00
Subtotal					\$747,655.00
Concrete Sidewalks					
204	SUBGRADE PREPARATION	11863	SY	\$2.00	\$23,725.56
304	AGGREGATE BASE (T=6")	1977	CY	\$68.00	\$134,444.81
407	TACK COAT - 0.04 GAL/SY	475	GAL	\$2.50	\$1,186.28
608	CONCRETE WALK (T=6")	106765	SF	\$7.00	\$747,355.00
608	CONCRETE CURB RAMP, ADA ACCESSIBLE	37	EACH	\$1,200.00	\$44,400.00
609	CURB, TYPE 6	7688	LF	\$20.00	\$153,760.00
Subtotal					\$1,104,871.65
At Grade Crossings, Road Markings and Incidentals					
642	CROSSWALK	14	LS	\$500.00	\$7,000.00
SPECIAL	TRAIL SIGNAGE	2	EACH	\$250.00	\$500.00
Subtotal					\$7,500.00
Node/Plaza Construction					
EARTHWORK					
203	EXCAVATION & EMBANKMENT	6100	CY	\$30.00	\$183,000.00
NODE/PLAZA PAVEMENT					
304	6" AGGREGATE BASE	4311	CY	\$68.00	\$293,155.56
608	DECORATIVE CONCRETE PAVEMENT	19,400	SF	\$10.00	\$194,000.00
STRUCTURES					
	RETAINING WALLS WITH RIPRAP	402	LF	\$900.00	\$361,800.00
SPECIAL	RESTROOM/CONCESSION BUILDING	600	SF	\$200.00	\$120,000.00
SPECIAL	BOARDWALK PAVILION	1	LS	\$40,000.00	\$40,000.00
608	PEDESTRIAN RATED PREFABRICATED TIMBER DECKING AND FIBERGLASS BEAM BOARDWALK, 8' CLEAR HORIZONTAL WIDTH, INCLUDING PIERS	175	FT	\$495.00	\$86,625.00
517	HANDRAIL, 42" STEEL	800	FT	\$50.00	\$40,000.00
PLAYGROUND					
	PLAYGROUND ENGINEERED WOOD FIBER SAFETY SURFACE	2750	SF	\$2.50	\$6,875.00
SPECIAL	PLAYGROUND EQUIPMENT	1	LS	\$60,000.00	\$60,000.00
BEACH					
	SAND (W=3')	1871	CY	\$90.00	\$168,400.00
	LINER	22500	SF	\$3.00	\$67,500.00
AMENITIES					
SPECIAL	BENCHES, 6'	80	EACH	\$2,500.00	\$200,000.00
SPECIAL	BIKE RACK (3 LOOP)	2	EACH	\$1,500.00	\$3,000.00
SPECIAL	TRASH RECEPTACLES	12	EACH	\$750.00	\$9,000.00
SPECIAL	COIN POOL AND FOUNTAIN	1	EACH	\$50,000.00	\$50,000.00
SPECIAL	DRINKING FOUNTAIN	1	EACH	\$7,000.00	\$7,000.00
SPECIAL	PUBLIC ART	3	LS	\$10,000.00	\$30,000.00
SPECIAL	PARK ENTRY SIGNAGE	1	LS	\$8,000.00	\$8,000.00
SPECIAL	PARK SIGNAGE	2	EACH	\$300.00	\$600.00
SPECIAL	KIOSK	1	EACH	\$10,000.00	\$10,000.00

COST DETAIL: AVON LAKE, LAKEFRONT DISTRICT

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
Subtotal					\$1,938,955.56
Landscape					
659	LAWN SEEDING	23,339	SY	\$1.50	\$35,008.33
659	PRAIRIE GRASS SEEDING	1,789	SY	\$3.00	\$5,366.67
SPECIAL	FOREST CREATION	72,100	SF	\$0.75	\$54,075.00
661	TREES (2" CAL.)	233	EACH	\$475.00	\$110,675.00
661	PERENNIALS (#2 CONT)	5,022	EACH	\$12.00	\$60,266.67
661	MULCH, AS PER PLAN (3")	105	CY	\$50.00	\$5,231.48
SPECIAL	PLANTING SOIL MIX (18" Depth)	628	CY	\$40.00	\$25,111.11
Subtotal					\$295,734.26
Utilities and Drainage					
611	12" STORM SEWER (HDPE)	4000	FT	\$75.00	\$300,000.00
611	18" RCP	4000	LF	\$100.00	\$400,000.00
611	6" UNDERDRAIN	800	FT	\$15.00	\$12,000.00
611	CATCH BASIN WITH GRATE	20	EACH	\$1,500.00	\$30,000.00
SPECIAL	LIGHTING (POLES, FIXTURES, FOUNDATION, AND CONDUIT)	93	EACH	\$3,000.00	\$278,625.00
SPECIAL	ELECTRIC POWER SERVICE AND ADJUSTMENTS	1	LS	\$25,000.00	\$25,000.00
SPECIAL	WATER SERVICE, 12" PLASTIC LINE APPROPRIATE FOR FIRE FLOW	1200	FT	\$130.00	\$156,000.00
SPECIAL	SEWER SERVICE, 8" PVC PIPE	1200	FT	\$75.00	\$90,000.00
611	CONDUIT, BORED OR JACKED	150	FT	\$300.00	\$45,000.00
Subtotal					\$1,336,625.00
Construction Survey & Layout					
SPECIAL	SURVEY AND LAYOUT	1	LS	\$20,000.00	\$20,000.00
Subtotal					\$20,000.00
TOTAL					\$7,138,435.35
	CONTINGENCY (20%)				\$1,427,687.07
	GENERAL CONDITIONS (4%)				\$342,644.90
	BONDS AND INSURANCES (2.5%)				\$214,153.06
	MOBILIZATION AND DEMOBILIZATION (1%)				\$85,661.22
	ENGINEERING AND DOCUMENTS (18%)				\$1,541,902.04
SITE + UTILITY TOTAL					\$10,750,483.64
BUILDING + DEVELOPMENT COST					
Building + Development Cost (See appendix for detailed Building + Development Costs)					
SPECIAL	BUILDING + DEVELOPMENT COST	1	LS	\$56,951,500.00	\$56,951,500.00
	BUILDING CONSTRUCTION SOFT COST (30%)				\$17,085,450.00
Subtotal					\$74,036,950.00
BUILDING + DEVELOPMENT TOTAL					\$74,036,950.00
GRAND TOTAL					\$84,787,433.64
	ODOT COST INFLATOR 2018 (2.20%)				\$86,652,757.18
	ODOT COST INFLATOR 2019 (4.00%)				\$90,118,867.47
	ODOT COST INFLATOR 2020 (3.70%)				\$93,453,265.56
	ODOT COST INFLATOR 2021 (3.50%)				\$96,724,129.86
	ODOT COST INFLATOR 2022 (3.30%)				\$99,916,026.14
	ODOT COST INFLATOR 2023 (3.50%)				\$103,413,087.06
	ODOT COST INFLATOR 2024 (3.50%)				\$107,032,545.11
TOTAL 2024 COST					\$107,032,545.11

Assumptions:
 * See Summary Sheet for Assumptions

COST DETAIL SUMMARY AND ASSUMPTIONS

COST DETAIL	ECONOMIC DEVELOPMENTS	TOTAL COST
	Vermilion Park	\$11,313,277.00
	Lorain, Downtown	\$223,145,187.95
	Sheffield Lake, Marina	\$124,197,365.99
	Avon Lake, Lakefront District	\$84,787,433.64

Assumptions:

- 1) See general assumptions
- 2) No land acquisition costs included or assumed
- 3) Cost inflation assumptions per ODOT 2016 Construction Cost Estimator Forecast
- 4) Lorain County Lakefront Trail not included in park cost
- 5) Costs not included for temporary grading easements
- 6) No wetland or other water delineations were performed. No mitigation costs for potential impacts were included
- 7) No public right-of way costs were included
- 8) The cost opinion is based on 2016 construction costs
- 9) All improvements/projects were assumed to be publicly bid
- 10) No traffic studies were included
- 11) Soils are assumed structurally suitable
- 12) No survey of the site was taken
- 13) Minor Environmental Remediation has been assumed. Major remediation for asbestos or other contaminants is not included.
- 14) All facilities were assumed to meet AASHTO design standards, except a possible exemption for sidepath widths in areas with limited right-of-way

SQUARE FOOTAGES & ECONOMIC IMPACTS



Order of Magnitude Estimate of Probable Costs
9/21/2017

Avon Lake							
Building	Building Type	Gross SF	# of Floors	Total SF	Unit	Unit Cost	Budget
1	Parking Garage	45,600	3	136,800	SF	\$70.00	\$9,576,000
2	Mixed Use		3				
	<i>Retail</i>	27,200	1	27,200	SF	\$150.00	\$4,080,000
	<i>Residential</i>	27,200	2	54,400	SF	\$125.00	\$6,800,000
3	Mixed Use		3				
	<i>Retail</i>	29,300	1	29,300	SF	\$150.00	\$4,395,000
	<i>Residential</i>	29,300	2	58,600	SF	\$125.00	\$7,325,000
4	Mixed Use		1				
	<i>Retail</i>	19,850	1	19,850	SF	\$150.00	\$2,977,500
5	Restaurant	2,800	1	2,800	SF	\$250.00	\$700,000
6	Apartment	5,200	5	26,000	SF	\$200.00	\$5,200,000
7	Apartment	10,400	5	52,000	SF	\$200.00	\$10,400,000
8	Restaurant	5,200	1	5,200	SF	\$250.00	\$1,300,000
9	Restroom	1,000	1	1,000	SF	\$400.00	\$400,000
Existing Train Station							
1	Retail	17,000	1	17,000	SF	\$90.00	\$1,530,000
2	Office	14,700	1	14,700	SF	\$90.00	\$1,323,000
3	Office	10,500	1	10,500	SF	\$90.00	\$945,000
Building Construction				455,350	SF	\$125.07	\$56,951,500
Soft Cost Multiplier				\$56,951,500	%	30.00%	\$17,085,450
Total							\$74,036,950
Order of Magnitude Estimate of Probable Costs						Lower	\$66,600,000
						Mid	\$74,000,000
						Upper	\$81,400,000

Sheffield Lake							
Building	Building Type	Gross SF	# of Floors	Total SF	Unit	Unit Cost	Budget
1	Townhouse	13,600	3	40,800	SF	\$125.00	\$5,100,000
2	Townhouse	12,750	3	38,250	SF	\$125.00	\$4,781,250
3	Townhouse	13,500	3	40,500	SF	\$125.00	\$5,062,500
4	Townhouse	12,750	3	38,250	SF	\$125.00	\$4,781,250
5	Townhouse	16,000	3	48,000	SF	\$125.00	\$6,000,000
6	Townhouse	15,400	3	46,200	SF	\$125.00	\$5,775,000
7	Grocery Store	26,000	1	26,000	SF	\$130.00	\$3,380,000
8	Restaurant	5,400	1	5,400	SF	\$250.00	\$1,350,000
9	Restaurant	4,050	1	4,050	SF	\$250.00	\$1,012,500
10	Restaurant	4,000	1	4,000	SF	\$250.00	\$1,000,000
11	Restaurant	3,450	1	3,450	SF	\$250.00	\$862,500
12	Library	8,050	1	8,050	SF	\$400.00	\$3,220,000
13	Clusters	10,000	2	20,000	SF	\$125.00	\$2,500,000
14	Clusters	10,000	2	20,000	SF	\$125.00	\$2,500,000
15	Clusters	5,000	2	10,000	SF	\$125.00	\$1,250,000
16	Clusters	10,000	2	20,000	SF	\$125.00	\$2,500,000
Building Construction				372,950	SF	\$136.95	\$51,075,000
Soft Cost Multiplier				\$51,075,000	%	30.00%	\$15,322,500
Total							\$66,397,500
Order of Magnitude Estimate of Probable Costs						Lower	\$59,800,000
						Mid	\$66,400,000
						Upper	\$73,100,000

Lorain							
Building	Building Type	Gross SF	# of Floors	Total SF	Unit	Unit Cost	Budget
1	Clubhouse	3,000	1	3,000	SF	\$275.00	\$825,000
2	Restaurant	4,300	1	4,300	SF	\$250.00	\$1,075,000
3	Townhouse	30,200	3	90,600	SF	\$125.00	\$11,325,000
4	Townhouse	18,000	3	54,000	SF	\$125.00	\$6,750,000
5	Townhouse	14,000	3	42,000	SF	\$125.00	\$5,250,000
6	Townhouse	11,880	3	35,640	SF	\$125.00	\$4,455,000
7	Townhouse	11,600	3	34,800	SF	\$125.00	\$4,350,000
8	Restaurant	3,860	1	3,860	SF	\$250.00	\$965,000
9	Restaurant	3,690	1	3,690	SF	\$250.00	\$922,500
10	Restaurant	3,330	1	3,330	SF	\$250.00	\$832,500
11	Retail	13,000	2	26,000	SF	\$150.00	\$3,900,000
12	Garage	52,660	3	157,980	SF	\$70.00	\$11,058,600
13	Retail	12,650	2	25,300	SF	\$150.00	\$3,795,000
14	Conference CRT	58,100	2	116,200	SF	\$350.00	\$40,670,000
15	Hotel	27,100	7	189,700	SF	\$200.00	\$37,940,000
16	Office	11,400	2	22,800	SF	\$200.00	\$4,560,000
17	Office	8,800	2	17,600	SF	\$200.00	\$3,520,000
18	Office	17,030	2	34,060	SF	\$200.00	\$6,812,000
Building Construction				864,860	SF	\$172.29	\$149,005,600
Soft Cost Multiplier				\$149,005,600	%	30.00%	\$44,701,680
Total							\$193,707,280
Order of Magnitude Estimate of Probable Costs						Lower	\$174,300,000
						Mid	\$193,700,000
						Upper	\$213,100,000

Vermilion							
Building	Building Type	Gross SF	# of Floors	Total SF	Unit	Unit Cost	Budget
1	Nature Center	8,700	1	8,700	SF	\$250.00	\$2,175,000
Building Construction				8,700	SF	\$250.00	\$2,175,000
Soft Cost Multiplier				\$2,175,000	%	30.00%	\$652,500
Total							\$2,827,500
Order of Magnitude Estimate of Probable Costs						Lower	\$2,500,000
						Mid	\$2,800,000
						Upper	\$3,100,000

Economic Impact Analysis Overview

The following data provides an overview of the current status of each community's preferred site as well as projections for new real estate property tax revenue. Job creation and payroll numbers will vary widely and are subject to multiple assumptions and factors such as proposed use, ownership structure, franchise operations, and hotel flag. Payroll numbers are not factored in to this model, however, one can access information from the Bureau of Labor Statistics website at www.gls.gov.

	Existing Conditions			Proposed Development				
	Current Property Value	Assessed Value	Annual Real Estate Taxes	Estimated New Investment	Commercial Real Property Tax Impact	Residential Real Property Tax Impact	Job Creation Estimates	Payroll Estimates
Vermilion Lakefront Park	\$159,300	\$55,760	\$4,817	\$2,175,000	\$0	\$0	TBD	TBD
Lorain Downtown Riverfront	\$15,319,000	\$5,361,000	\$421	\$149,005,600	\$3,136,121	\$782,911	443	\$11,416,586
Sheffield Lake Marina District	\$4,235,020	\$1,482,260	\$0	\$51,075,000	\$217,966	\$1,129,798	174	\$2,297,249
Avon Lake Lakefront District	\$7,689,000	\$2,691,000	\$211,768	\$56,951,500	\$496,361	\$725,335	417	\$13,214,813

Limits of this Study

The development and findings of the aforementioned models are inSITE's best estimates for the amount and types of retail, office and residential that could be supportable in this area. inSITE recommends each community conduct its own retail and office market analysis to determine the best use for each project site. These models are based on estimates, assumptions, other information developed by inSITE and general knowledge of the industry as well as consultation with clients. No responsibility is assumed for inaccuracies in this or other models and estimates.

The actual amounts of supportable residential, retail and mixed use could be significantly higher or lower depending on variables such as type, design and quality of the development. It is likely that due to the development's proximity to Lake Erie, the project sites could draw visitors from well beyond the four communities in this study.

This study should not be the sole basis for any future programming, planning, designing, financing or development.

Sources:

Real Property Tax Impact	To determine the annual Real Property tax impact, we used data from the following resources to run our calculations. Construction costs provided by Welty Building Company. The 2016 commercial and residential tax rate from the Lorain County Auditor's Office.
Job Creation	To determine job creation, we used data from the following resources to run our calculations: U.S. Green Building Council, Institute of Transportation Engineers, U.S. Department of Energy and San Diego Assn of Government.
Payroll Estimates	To determine annual payroll estimates, we used data from the U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment & Wages for Lorain County. Average weekly wage for Q2 2017.

Assumptions:

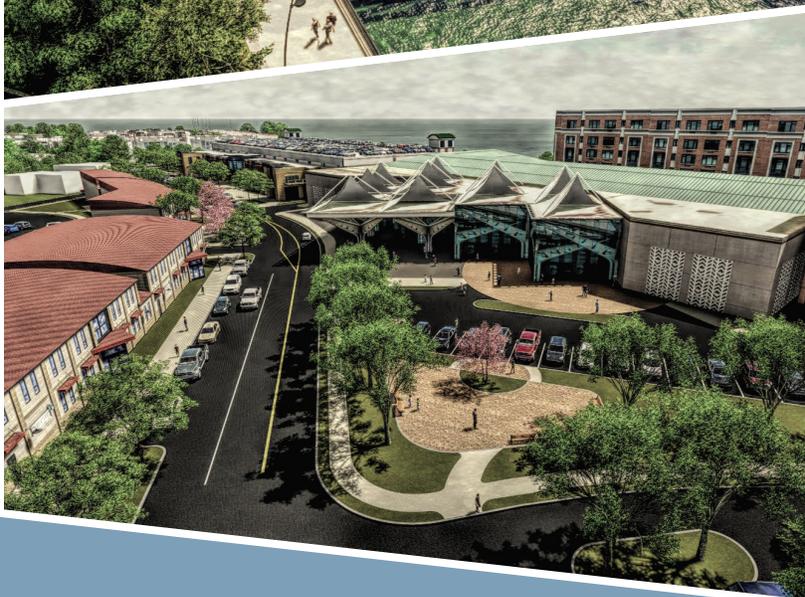
General	Residential is excluded from the job creation and payroll estimate calculations.
Real Property Tax	City of Vermilion: No new real estate property tax will be generated if the site becomes a publicly owned park. City of Lorain: Assume that the parking garage and clubhouse are publicly owned making them tax exempt. City of Sheffield Lake: Assume that the Domonkas Branch – Lorain Public Library doesn't pay real property taxes as they are tax exempt. City of Avon Lake: Assume that the parking garage and restrooms are publicly owned making them tax exempt.
Job Creation	City of Vermilion: To be determined based on use. If the future use becomes a nature center facilitated by Lorain County Metro Parks, jobs will be created on site, otherwise, employment is likely to be shared between staff at other Metro Parks locations. The job creation estimates do not include jobs related to building construction.

Welty's Clarification and

Assumptions:

- Items which are not included in the Order of Magnitude Estimate of Probable Costs:
 - Demolition of existing structures
 - Removal and / or relocation of existing underground and overhead utility services
 - Environmental Assessment Services (Assessments, surveys, remediation of any hazardous materials, and clean up plans)
 - Utility Company charges to bring services to the sites
 - Land acquisition costs
 - Prevailing wage requirements
 - Wetland mitigation
 - Importing of engineered fill
 - Exporting of existing site excavation material (assume distributed on site)
 - Basement construction, all buildings are assumed to be slab on grade structures
 - Public roadways, signals, and signs
 - Seawall Construction or Shoreline Rip Rap
 - Marina's
 - Bridges / Structured Walkways
 - Canal Way
2. An owner's soft cost allowance has been included at a value of 30% of the construction cost
3. All work is priced in 3rd quarter 2017 dollars (current costs). Add 4% per year to escalate to desired start date

STAKEHOLDER MEETING 1



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

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COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

~~reporting out~~ →

~~Steel Mill Bike Path~~
~~Lakefront connectivity plan~~

biggest issue is access to lake rd / East Erie →
getting people there via easy access
from the highway

- US 6
- ① public transportation
 - ② access to highway
 - ③ access on Rte. 6

Hillside park in NYC + others that use areas of
highways - amenities

* Mike Challenor

* Artist @ creators of great ideas
+ problem solvers



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

AMISTOWN
PLAZA

- ① TRAIL Southside need safe crossings to get to the north (se utilities underground)
- ② where would transit stops be
- ③ DESTINATION pts
- ④ connectors from South TRAILS metro PARKS
- ⑤ ~~Waterfront~~ Businesses Southside support northland activities



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

If any acquisition needed south side
makes economic sense in most ways.
Need to get access Rt 6.



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

challenges

NORTH

property is more expensive + owners are protective

use north esp in downtown vernon area

?? cycle track on the Baskett Bridge?

South

less expensive acquisition
- more commercial uses

crosswalks would be more important to get people to the lake

general / both sides:

- long parcels might make ROW easy
- Really high speed ~~str~~ of vehicle traffic
- what about the railroad? sidepath?

- get people to existing trails → focus on neighborhoods and downtown Lorain

props fronting
electric bid
in Vernon lake
have large ROW that
was given to them
old streetcar line

empty parking lot
underused
forel plant



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

4/5/2017

Group Discussion

- Narrow right of way after Waverly Park & west to Vermillion
- speed on North & South sides are issues
 - May have more success on South side
- lots of empty land and wide lots that could potentially be narrowed to create space
- Need safer crosswalks; complete streets concepts
- Bascule Bridge → remove center concrete portion improve access for AT bikelped
- Take away turn lane on Rt. 6
- Create lane along Electric Blvd. (fairly wide right of way until you get to west end power plant)
- Metro Parks Trail @ ~~21st~~ & 31st
- Million Dollar Homes along lakefront = major challenge
- "Do I want those people in my community" Attitude
 - ↳ How to combat this?



COMMENT SHEET

Lorain County Lakefront Connectivity TICI Plan

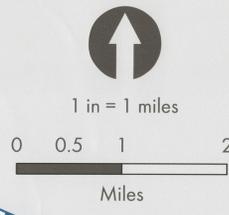
4/5/2017

If Taxes must be increased to build any of these projects, it will be very difficult to fund this in Lorain County.



TLCI STUDY AREA

- PARK / BEACH
- ACCESS / BOAT RAMP
- OTHER
- MUNICIPALITIES
- STUDY AREA

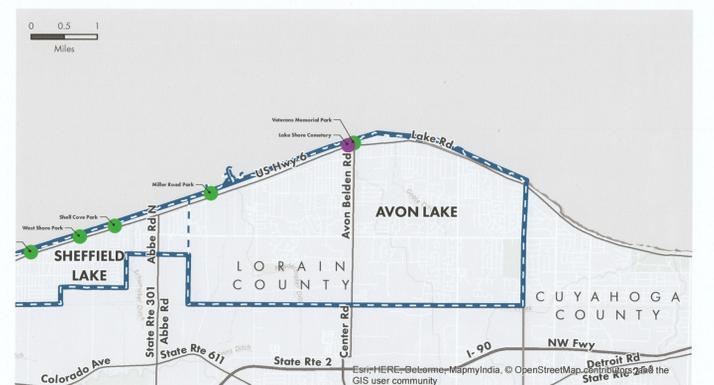
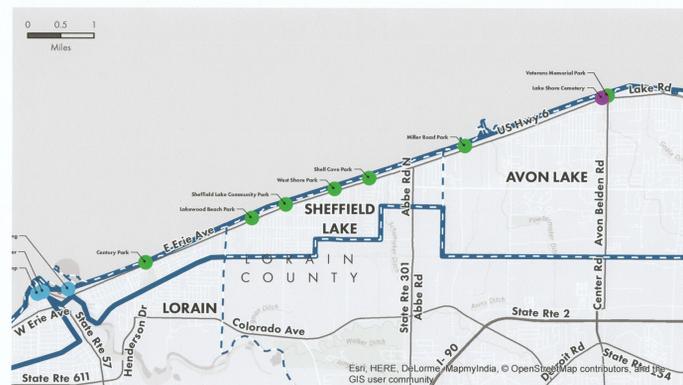
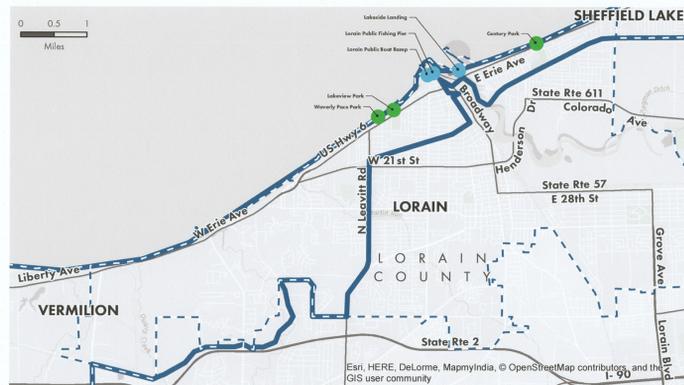
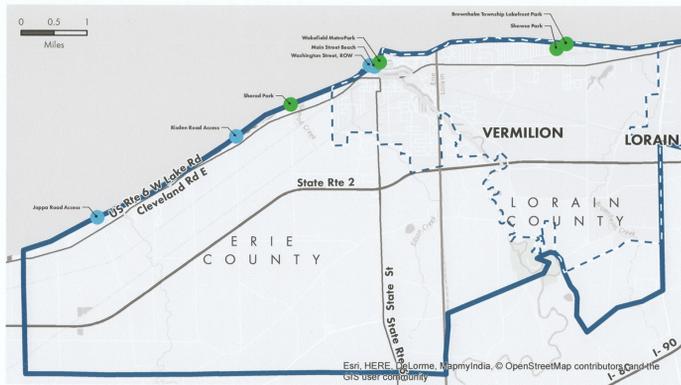
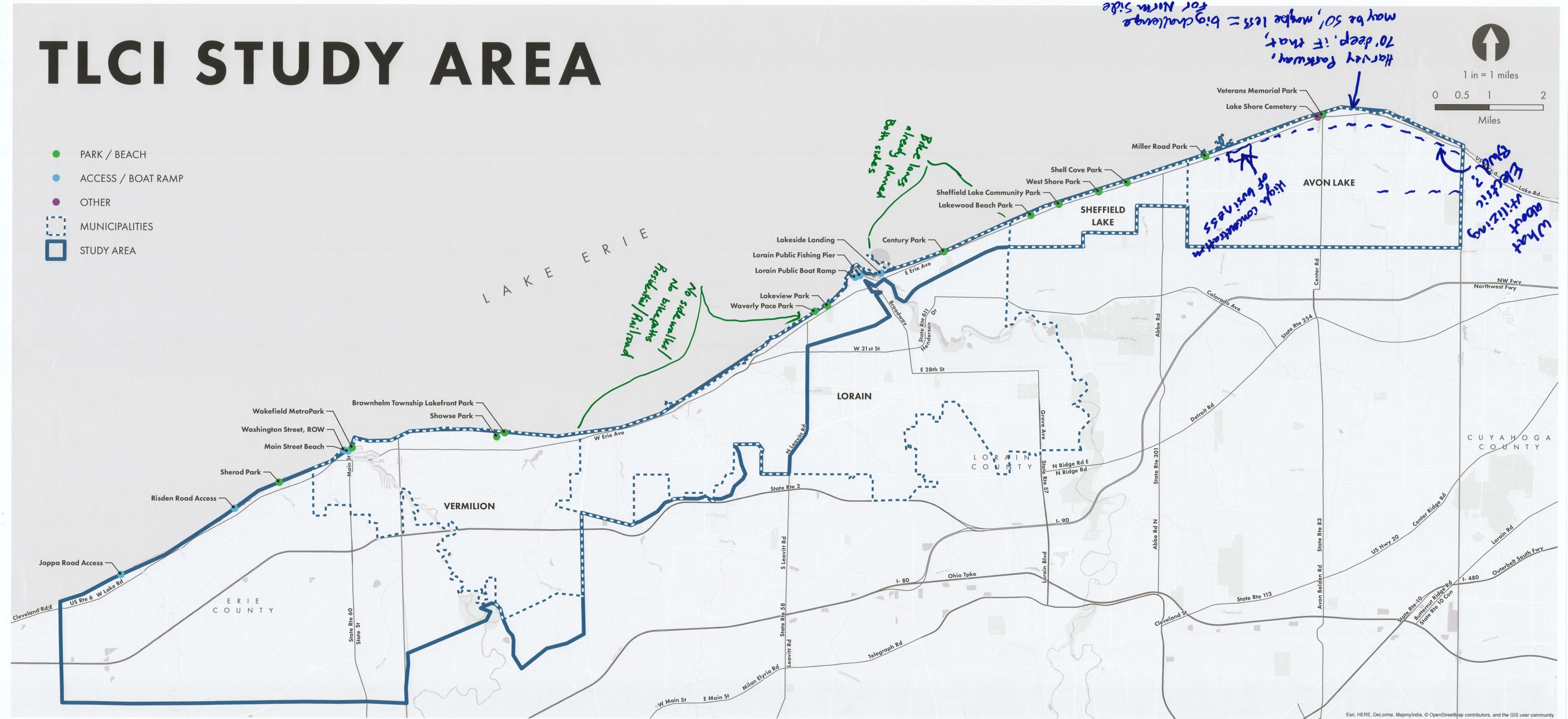


Harvey Parkway, 70' deep, if that, maybe less = big challenge for NW side

Electric Stairs? What about utilizing?

Pike lanes already planned Both sides

No side walks / Residential / Railroad



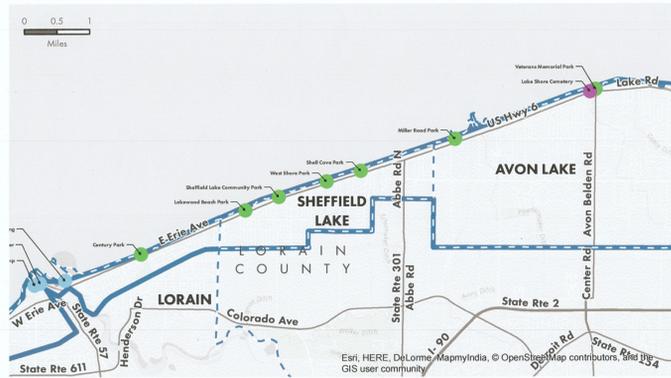
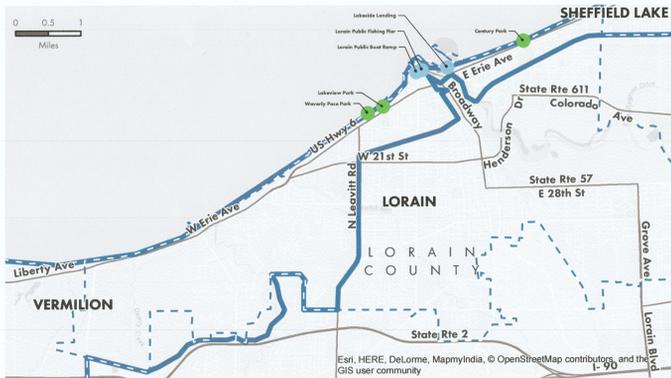
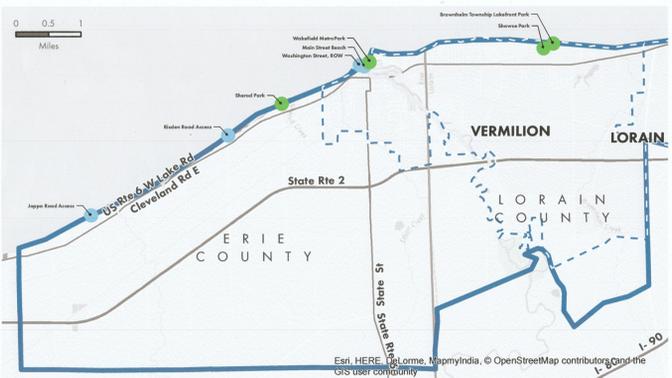
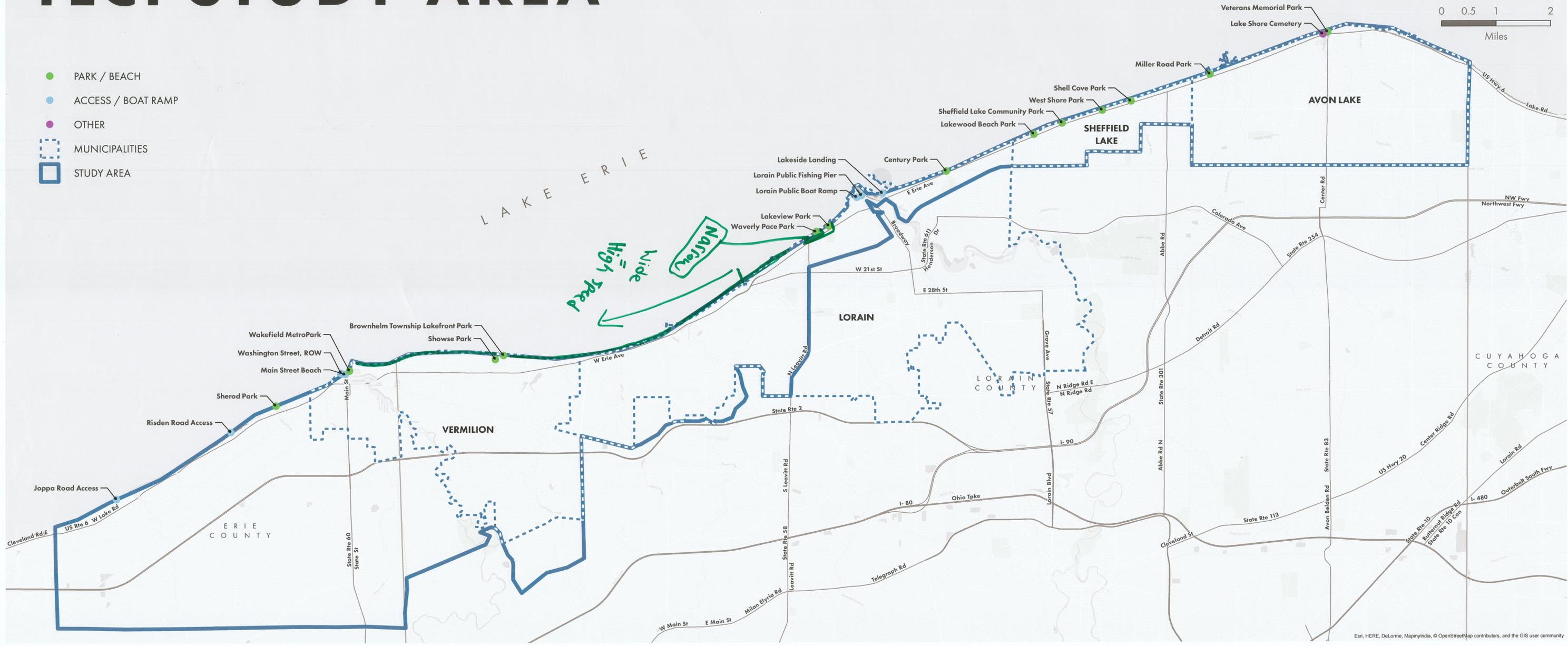
**LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN**

TLCI STUDY AREA



1 in = 1 miles
0 0.5 1 2
Miles

- PARK / BEACH
- ACCESS / BOAT RAMP
- OTHER
- MUNICIPALITIES
- STUDY AREA



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN

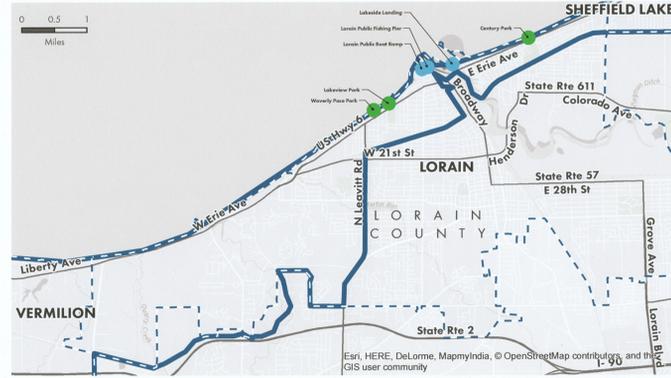
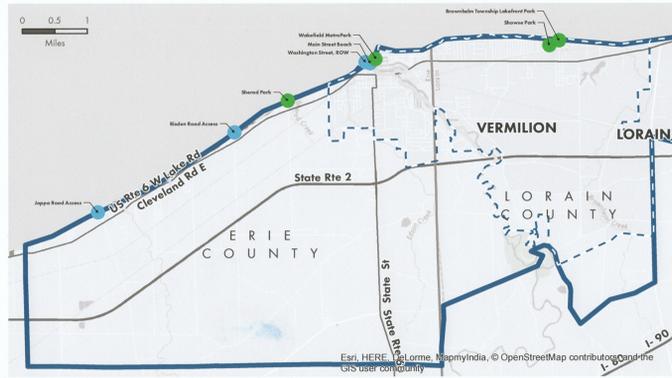
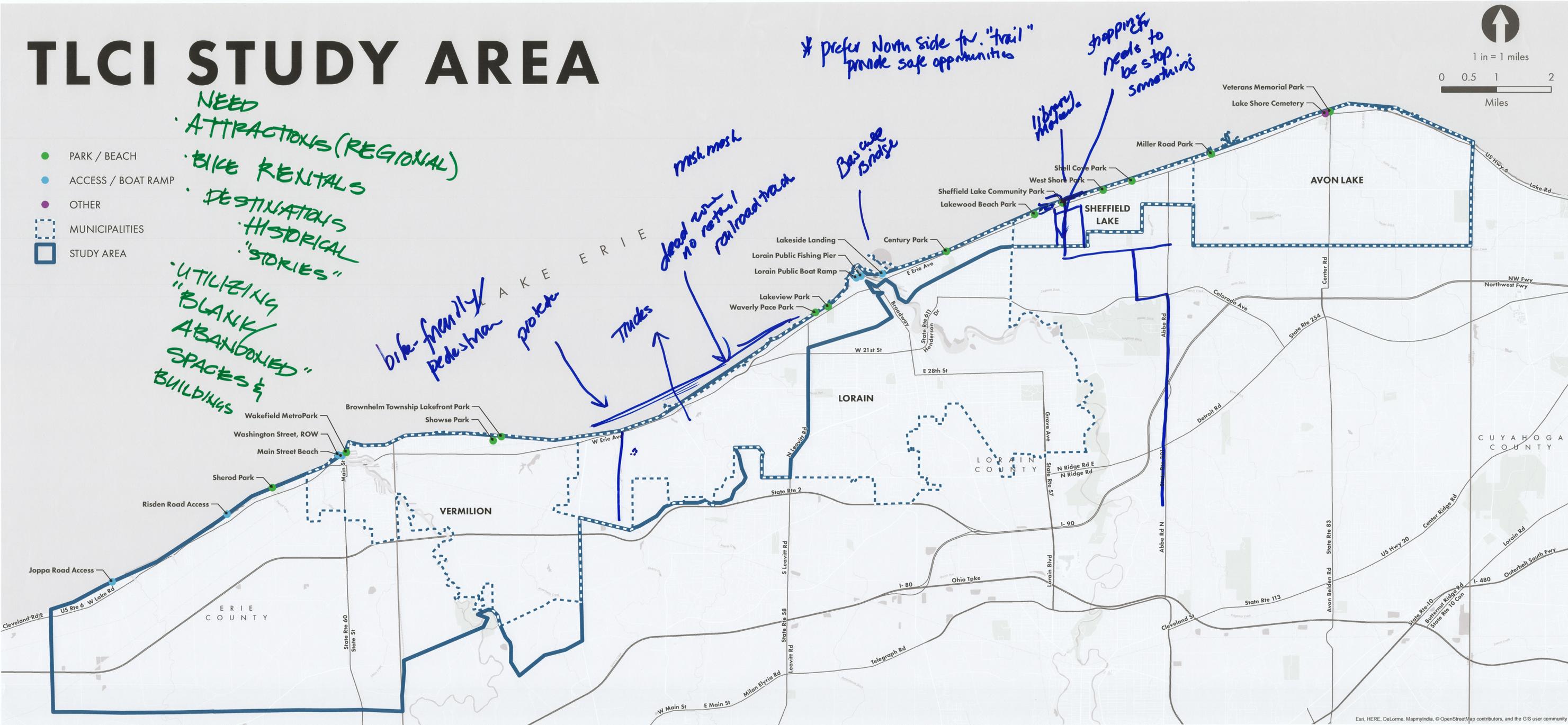
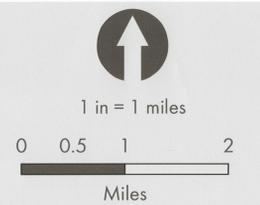
Environmental Design Group
The community impact people.

TLCI STUDY AREA

- PARK / BEACH
- ACCESS / BOAT RAMP
- OTHER
- ▭ MUNICIPALITIES
- ▭ STUDY AREA

NEED
 • ATTRACTIONS (REGIONAL)
 • BIKE RENTALS
 • DESTINATIONS
 • HISTORICAL "STORIES"
 • UTILIZING "BLANK/ABANDONED" SPACES & BUILDINGS

* prefer North side for "trail" provide safe opportunities
 shopping needs to be stop. something's
 Library
 Basque bridge
 dead zone no retail / railroad track
 truck mask
 bike-friendly pedestrian protect



LORAIN COUNTY
 LAKEFRONT
 CONNECTIVITY PLAN



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

I think it's important to engage youth, people of color, disability / senior advocates in order to answer this question

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

*\$\$\$ →
and
Maintenance...*

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- ~~4~~ ~~1~~ LOCAL RESIDENTS
- ~~2~~ ~~1~~ REGIONAL TOURISTS
- ~~1~~ ~~5~~ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- ~~3~~ ~~3~~ COMMUTERS
- ~~5~~ ~~1~~ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To increase connectivity for bikers/walkers to traverse Lorain County as well as provide suggestions/ideas on how to utilize space along the ~~lake~~ lake for economic development purposes

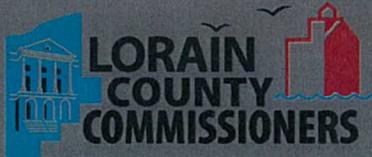
2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Black River Landing - concert/festival site as well as scenic view
- 2- Lakeside Landing - Jackalope ~~area~~ as well as small beach access
- 3- Lakeview Park - beach access/park access
- 4- Century Park - local group has helped remodeled building, great public access to beach
- 5- Marina on far westside of Lorain - small bar/pub with lake access

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Providing the space needed along the lakefront to provide for trails/connectivity will be tough to accomplish in a timely manner to ~~adequately plan for~~ for cities to adequately plan

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Another study that will sit on the shelf unless we have private dollars that allow for the ~~st~~ adoption of the plan and to quickly implement the plan

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 2 COMMUTERS
- 1 TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To provide meaningful input to help create an ACTION PLAN that can be implemented.

This helps connect & create a more livable community along the lakefront.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- PARKS ALONG THE LAKE.
- 2- A LONG TRAIL THAT WE DON'T HAVE TO TRANSPORT A BIKE BY CAR FROM RESIDENTIAL AREAS.
- 3- SHOPS & DINING DESTINATIONS.
- 4- FESTIVAL SITES.
- 5- POTENTIAL FOR BIKE OR WALK COMMUTING.

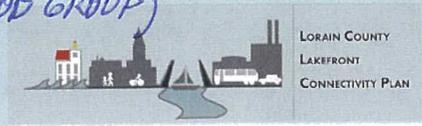
3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

PINCH POINTS, PRIVATE PROPERTY SEEM TO BE THE MAJOR CHALLENGES.

CONTINUED ON BACK...



COARM FISCHER - ARCHITECT
CHARLESTON VILLAGE ASSOCIATION (NEIGHBORHOOD GROUP)
554 W. 9th ST.
LORAIN, OHIO 44052



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

SAME AS #3

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS) **MOST REALISTIC**
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY) **MOST PREFERRED**
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 1 LOCAL RESIDENTS
- 2 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 5 COMMUTERS
- 4 TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!



QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

create a continuous facility for cyclists + pedestrians East to West

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Lakeview Park
- 2- Vermillion
- 3- Downtown Lorain
- 4-
- 5-

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Resistance to reallocating roadway to bikes + peds

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

traffic, follow through from government

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 1 LOCAL RESIDENTS
- 2 REGIONAL TOURISTS
- 4 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 5 COMMUTERS
- 3 TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!



QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Unified connection among communities - Theme Base
Realistic plan, Achievable Development

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Boat Launch - Sheffield Lake - fishing/Boating/Beach
- 2- Public Library - Sheffield Lake Quiet reflection/Reading views
- 3- Black River Landing - EVENTS
- 4- Downtown Vermillion - Food/Drinks/Beach
- 5- Lakeview Park - Lorain Beach/Picnic/Roses

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- 1- Overcoming perception that Lake inhibits Attracting Business AND promoting its Benefits
- 2- Existing Conditions

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

* Funding
* Implementation

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 3 REGIONAL TOURISTS
- 2 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 4 COMMUTERS
- 1 TRANSIT USERS
- ___ OTHER _____

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Increased traffic flow throughout all the lakefront communities be it by pedestrian, cyclists or automobiles

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- *Sheffield Lake Boat Launch
free launch facility*
- 2- *Shell Cove Park - Sheffield Lake
2017 improvements including lakeside deck*
- 3- *Downtown Lorain
revitalize historic buildings*
- 4- *Downtown Vermilion*
- 5- *Lakeview Park - Lorain*

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

The challenges will be to keep the lakefront community groups focused on the end result.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

What and where will these facilities interrupt their property and or daily routines

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
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- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 4 LOCAL RESIDENTS
- 2 REGIONAL TOURISTS
- 1 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 3 COMMUTERS
- 5 TRANSIT USERS
- ___ OTHER

THANK YOU FOR PARTICIPATING!

Joan Peron - LCCC (main + City Center Campus)
- Fire Fish Arts

QUESTIONNAIRE

contact: jperon@loraincc.edu.

Lorain County Lakefront Connectivity TLCI Plan



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Those of us who live on the lake and are involved in our communities recognize that we "live in a resort town" and no one knows about it. I would like to see that change through access; economic development of land, parks, and communities through ^{built spaces} authentic + unique characteristics of the communities + regions; looking beyond the typical through the power of collaboration + partnerships; AND - making sure that the arts + artists are integral parts of the planning + included at all steps for

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) ^{their}

AND WHY:

- 1- Sheffield Lake Boat ramp / library / shopping
Should / could be a hub - ^{center} begging for creative redevelopment
- 2- Lorain - downtown - connecting a vibrant arts/cultural / bus / educational hub to the existing + ~~new~~ waterfront assets
- 3- Park area in Avon lake ^(arts & z) as well as the area across the power plant - ^{needs} huge improvement * opportunity!
- 4- Downtown Vermilion - Shopping, markets, ^{fun}
- 5- Metroparks + bike paths in Shef Lk, Lorain, Avon Lake, Verma ^{comm}

unique
professional
cultural
comm.
health
- attribul

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- * Easy on/off access from highway for tourists (Baumhart, Colorado, D.)
- * Connecting cities w/ consistency
- * Public transportation for not only non-auto owners/users but for young people who ride their bikes everywhere (and for old people like me who do too.)

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- _____ LOCAL RESIDENTS
- _____ REGIONAL TOURISTS
- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To connect our lakefront in LoCo to our businesses + help promote Economic Development. Have our residents realize what an amazing community we have in LoCo. Entice visitors to come to Lorain County as a destination. Utilize our lakefront for community wellness initiative. Establishing transit alternatives for residents.

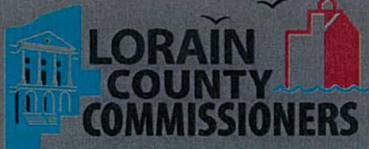
2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Lakeview Park - access to beach/lake/park
- 2- Black River Landing - access to concerts/river/Jet Express.
- 3- Downtown Vermilion - shopping, restaurants, lake access
- 4- Avon Lake Town Center - access to restaurants + shopping.
- 5- Other Metroparks within biking/walking distance to lakefront (Days Dam/Burr Oak)

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Dealing with 4 completely different communities + residents within them. Having them work together. Getting "Southern" cities to buy into the E.D. possibilities. Getting drivers to appreciate sharing the roads w/ bicycles/pedestrians

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Keeping bike trails safe from debris + dangerous objects in them. Convincing public that the investment can be worth it - showing them #'s that can be recouped w/ Economic Development.

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 1 COMMUTERS
- 2 TRANSIT USERS
- ___ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



JIM ZIEMNIK

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

TO SEE A COMPREHENSIVE, COHESIVE, AND CONNECTED PLAN THAT TAKES ADVANTAGE OF THE PHENOMENAL RESOURCE CALLED LAKE ERIE.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

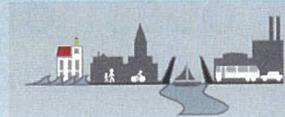
- 1- LAKEVIEW PARK (BECAUSE OF LCMP! & I AM THE DIRECTOR- HA HA HA.
- 2- MILLER PARK (AVON LAKE)
- 3- BLACK RIVER LANDING (LORAIN)
- 4- VETERANS PARK (AVON LAKE)
- 5- DOWNTOWN VERMILION

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- MISH MASH OF PAVEMENT, ENCROACHMENTS, PRIVATIZATION OF LAKEFRONT, BRIDGES

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

- JADED ATTITUDES (CAN'T / WON'T BE DONE)
- OUTDATED " - ("BRING BACK THE STEEL MILLS)

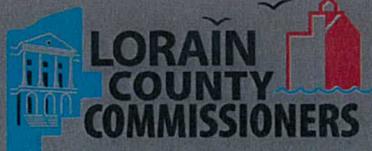
5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY) I AM A METRO PARKS GUY
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

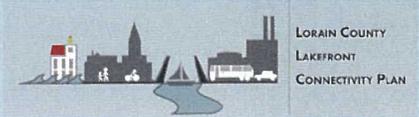
- 3 LOCAL RESIDENTS
- 1 REGIONAL TOURISTS
- 2 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 4 COMMUTERS
- 5 TRANSIT USERS
- ___ OTHER

THANK YOU FOR PARTICIPATING!



QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To have a completed planning study which has a prioritized list of roadway or network improvements which Public Agency or Private Investors can implement to make the Lake front in Lorain County more accessible & visited by locals & outside of the County (travelers/tourists)

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Downtown Vermilion - Nice area for restaurants and enjoying the Lakeview
- 2- Black River/Marina - Place to take a boat out on to Lake Erie, Entertainment
- 3- Lakeview Park - Concerts, exercise location
- 4- Cedar Point Findley State Park
- 5- Huron Port
or Downtowns Cleveland

outside area

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

The corridor offers beautiful scenery. Some locations like Sheffield Lake lack end destinations for those traveling the lake front. Long distances from some of the southern destinations (ex. Oberlin) to Public areas along potential connector routes SR58, 511 or County Rds.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- _____ LOCAL RESIDENTS
- _____ REGIONAL TOURISTS
- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Bringing more people to the lakefront
& providing easy + safe access.
Transportation is key to the success
of this project!

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC)
AND WHY:

- 1- Miller Rd. Park - AL
- 2- Veteran's Memorial Park - AL
- 3- Lake Road in Avon Lake in general
- 4- Bleser Park in AL
- 5- "Artstouch Plaza" - retail plaza
where the old movie theater once was

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

The diversity of the lakefront
communities.

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

At this point, I'm not sure the majority of the public affected by the project is aware of the plan - it's general details

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 4 LOCAL RESIDENTS
- 3 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 5 COMMUTERS
- 5 TRANSIT USERS
- 1 OTHER

THANK YOU FOR PARTICIPATING!



QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan

FRANK LOUCA - VERMILION CITY COUNCIL



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

TO OBTAIN BETTER UNDERSTANDING OF THE OVERALL PROJECT.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

1- DOWNTOWN VERMILION

2- MAIN STREET BEACH

3- LAKEVIEW PARK

4- SHERROD PARK

5- SHELL CREEK PARK

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- ROW ISSUES
- FUNDING

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

UNKNOWN

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 2 COMMUTERS
- 1 TRANSIT USERS
- OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

connectivity - Connect lakefront communities
Connection to parks
Economic

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Vermilion River Reservation
All Metro Parks
- 2- Lakeview Beach
- 3- Main street Beach in Vermilion
- 4- Downtown Vermilion
- 5- Showe & Sherrod parks

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Utility issues along the route

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Delays due to road construction

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 5 REGIONAL TOURISTS
- 4 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 3 COMMUTERS
- 2 TRANSIT USERS
- 1 OTHER

THANK YOU FOR PARTICIPATING!

Eileen Bula

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

*A multi-use path to travel
the entire shore of the greater
Lorain County area.*

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC)
AND WHY:

- 1- Vermilion lakefront, Main St Beach area
for view, enjoyment*
- 2- Lakeview Park, same reason*
- 3- Downtown Vermilion, stores/restaurants*
- 4- Port Authority, downtown Lorain,
for Jet Express, events*
- 5- Biking entire area for exercise
& a lakefront ride*

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

*Many challenges - ROW, funding,
work with all communities*

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

*Worried about their property
Funding
Thinking it will probably never happen
Just another "plan"*

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER *Howa However it & will work best for all communities*

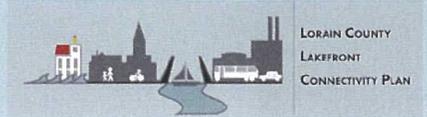
6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 4 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 3 COMMUTERS
- 1 TRANSIT USERS
- 1 OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Full connectivity of Lakefront ... Attraction point, community/
economic development ... Lorain County as part of Northern
Ohio -

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC)
AND WHY:

- 1- Black Power Lady
- 2- Lakeview Park
- 3- Downtown Vermilion
- 4- Veteran Memorial Area Lake
- 5- Lorain Boat Ramp

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Funding for implementation
- buy in from all communities and residents

CONTINUED ON BACK...





4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

- Why are we spending \$\$ on bike paths?
- Why should all people at Lorain County Care about Lakefront Connectivity? What's in it for Southern Lorain County?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER Whatever works...

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 1 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 2 COMMUTERS
- 3 TRANSIT USERS
- OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



Don Romanek

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To have the communities have implementable plans that connect ~~the~~ us together & ~~there~~ identify projects to create economic opportunities & activity. Should build off existing & ~~to~~ lead to ongoing investment & improvements from public & private sector. Create destinations & ^{accessibility to destinations}

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

1- Lakeview Beach - large tract of land w/ largest beach in Lorain County, scenic, well maintained, diverse opportunities

2- Black River Landing - Lorain's Downtown Commons. Great host of outdoor events, able to get near water. Unique views of Bridge, ~~the~~ marinas & housing development.

3- Downtown Vermilion → variety of experiences available, dining, shopping, visually pleasing

4- Lakeside ~~land~~ Park, → Jackalope, fishing pier great view of Lake & lighthouse.

5- Hot Waters - Fire Boat Lunch

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Integrating multiple users in constricted R-O-W's
Changing thinking of locals, Overcoming set of biases.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- _____ LOCAL RESIDENTS
- _____ REGIONAL TOURISTS
- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

to generate more economic activity on our
LAKEFRONT through TOURISM / LAKEFRONT ACTIVITIES / RESTAURANTS
etc.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC)
AND WHY:

- 1- BOAT LAUNCHES / MARINAS
- 2- LAKEFRONT EVENTS (WINE FEST. AN. LAKE AS AN EXAMPLE)
ALSO, ROCK N ON THE RIVER
- 3- Need for LAKEFRONT RESTAURANTS
- 4- public PARKS for SUNSETS & LAKEFRONT ACTIVITIES
- 5- BORMAN LIGHTHOUSE / Palace Theater near LAKE

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Limited open land for new development.
CONCERN by residents that property will be TAKEN
Finding the resources to change the look or impacted.
of potential developed sites.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Hope for restaurants, ~~bars~~.
Development of lakefront will restrict access
i.e. expensive condos to replace parks and
block lake views & access.

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 4 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 1 COMMUTERS
- 2 TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Develop at least one economic development location in each of the four lakefront communities.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Avon Lake Boat House - Expand commercial land use around property.
- 2- Sheffield Lake - Redevelop the shopping center into a mixed use dining & shopping & entertainment center
- 3- Lorain - Design land reuse of Pellet site.
- 4- Vermilion - Look at redevelopment of former Ford property (lake side)
- 5-

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Allowing residential to overtake lakefront and block public use of lakefront.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Dollars

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 1 LOCAL RESIDENTS
- 2 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 4 COMMUTERS
- 5 TRANSIT USERS
- ___ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

increase economic activity by improving transportation alternatives

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Lakeview Park
- 2- Downtown Vermilion/Beach Park
- 3- Sheffield Lake boat launch & open space
- 4- Avon Lake Lakefront Parks
- 5- Lorain Black River/Lake Erie Connections

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Available land around St. Rt. 6 & proximity to existing buildings. Narrow bridges underpasses

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Public impressions of project challenges are...

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER ?

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 3.5 LOCAL RESIDENTS
- 3.5 REGIONAL TOURISTS
- 3.5 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 3 COMMUTERS
- 2 TRANSIT USERS
- OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

- Consistent bike/ped facilities that support travel loop & destination trips w/ recommendations for mixed use developm^t
- plan with short term, inexpensive recom. that we can begin to implement Now & also mid-level & long term objectives.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Lorain Finger Piers → connections^{to} & development on. connect with Black River Landing via walk + bike. Kayak & water sport access. B/c physical activity / public health benefit.
- 2- Downtown Lorain / Broadway Corridor development & connectivity, New business, mixed use zoning.^{bc} Economic development
- 3- connections North & West that can loop in to County-wide AT plan. Loop into West side Cuyahoga County. Future
- 4- so more people can easily access the lake from outside regions. open streets events, anywhere in communities main corridors
- 5-

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Lack of support for Active Transport because of lack of education on how this relates to economic development and health. Need for education, encouragement, enforcement of traffic safety laws. ^{activities}

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
- B- OFF-ROAD FACILITIES (8-10FT WIDE ASPHALT TRAIL ON ONE OR BOTH SIDES OF THE ROADWAY)
- C- SIDEWALKS (5FT WIDE CONCRETE SIDEWALKS ON ONE OR BOTH SIDES OF THE ROADWAY)
- D- I DO NOT WANT ANY NEW FACILITIES TO BE BUILT IN THE STUDY AREA
- E- OTHER _____

6. PLEASE RANK THE IMPORTANCE OF CREATING CONNECTIONS AND DESTINATIONS FOR THE FOLLOWING USERS (1=LOWEST - 5=HIGHEST):

- 5 LOCAL RESIDENTS
- 2 REGIONAL TOURISTS
- 3 OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- 4 COMMUTERS
- 1 TRANSIT USERS
- ___ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

A plan outlining the connectivity of assets to our biggest asset of the lake and rivers.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Black River Landing - the activities are already present at this location.
- 2- Mile Long Pier/- Destination Place, beautiful views, current restaurant could be built to have additional activities (small shops, volleyball courts)
- 3- Lakeview Park - Destination Place, views, activities, access
- 4- K-Cream - Good name recognition, attraction for local residents
- 5- Downtown Vermilion

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Funding.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Funding. Access to right aways, fear of property being aquired for connection.

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
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- 4 COMMUTERS
- 5 TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

REALIZE THE ECONOMIC DEVELOPMENT OPPORTUNITIES THAT CAN BE OBTAINED THROUGH IMPROVED CONNECTIVITY.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- TRUCK RIVER LANDINGS - WATERFRONT SITE/TONS OF ACTIVITIES/ENTERTAINMENT/WALKING
- 2- LAKEVIEW BEACH - LAKE BEACH/ROSE GARDEN
- 3- DOWNTOWN VERMILION - SHOPPING/TOURISM
- 4- MILE LONG PIER - GREAT SUNSETS/WALKING VIEW OF LIGHTHOUSE, FISHING, JACKLOVE, MARINA
- 5- MEMORIALS BIKE & PED NETWORK, INCLUDING KAYAK LAUNCH, EXERCISE & NATURE OPPORTUNITIES

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

LORAIN HAS A VERY NARROW STUDY AREA WHICH ELIMINATES ALOT OF RIVER ACCESS. GREAT PROJECT - CHALLENGES IN OBTAINING SOME AREAS FOR PATH/BIKE ROUTES.

CONTINUED ON BACK...

4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

NOT MY PROPERTY - RESISTANCE TO CHANGE

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

- A- ON-ROAD FACILITIES (BIKE LANES / SHARROWS)
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- _____ REGIONAL TOURISTS
- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



Muz Zilka, Avon Lake

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

- make the lake more accessible to residents*
- Stimulate economic development along the trail*

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Veterans Park accessibility to those living to the south*
- 2- Miller Road Park accessibility to those living to the south*
- 3- Direct population from Lake Road path to Metropark behind the library*
- 4- ~~Bring~~ ^{make} commercial areas more accessible to those using the pathway*
- 5- Connect Avon Lake to communities to the west and east.*

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

The area of focus "pinches down" in a number of places. Acceptability of the trail by residents who live along the planned path.

CONTINUED ON BACK...

4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

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- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



Dennis Andrea Luke owners of soon to be "The Aston in Avon Lake

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

- To increase the ease of commuting through the lakefront communities in the study area
- to strengthen & add businesses along this route.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Vermillion waterfront restaurants
- 2- Miller Road Park beach access, pavillion rental
- 3- Plaza where the old Avon Lake Theatre was. (dining, hair salon, dance studio, cheer gym,
- 4- Veterans Memorial Park beach, Summer market, wine fest post office)
- 5- James on the Lake Restaurant (Avon Lake)

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- It is a large undertaking that will require significant funding.
- Those already established on the area of study may resist the changes.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

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- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

Ted Esborn
Avon Lake
QUESTIONNAIRE
Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

A connectivity plan that maximizes the ~~the~~ potential of the businesses on and near Lake Road in Avon Lake

2. LIST YOUR TOP ⁶ DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY: IN NO PARTICULAR ORDER

- 1- Artstown Plaza (old shopping ctr.)
 - 2- Caslon (The Former Huddle Tavern)
 - 3- Gitta's Table
 - 4- Jenke's on the Lake
 - 5- The business district at Lear and Electric
 - 6- Athena's Restaurant
- The "why" is the same for each - pedestrian oriented businesses on Lake Rd.

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

- A.) Land acquisition would be difficult + expensive
- B.) Multi-jurisdictional disagreement
- C.) Is there enough demand in our communities for... never mind, I think there is

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
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- _____ OUT-OF-TOWN TOURISTS (FROM OUTSIDE NE OHIO)
- _____ COMMUTERS
- _____ TRANSIT USERS
- _____ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To use the funds to benefit a maximum number of people

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Crocker Park
- 2- Black River Metro Parks
- 3- Downtown Vermilion
- 4- Oberlin
- 5- Avon Commons

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Convincing the public of the need for these projects, and that everyone will not benefit the way they feel is optimal.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Ambivalence

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

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- ___ OTHER

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



Joe Reitz
Avon Lake

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To have a plan that is realistic to move forward with an implementation plan. Need to have a plan that we can use!! Do Not need a plan that we cannot work with.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- City Parks along lake road in every community!
- 2- Downtown Lorain
- 3- Old shopping center in Avon Lake and Sheffield Lake
- 4- Black River, trails down into Elyria
- 5- Future places to eat, recreate, relax along Lake Road while enjoying the views.

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

The cost to take on a project of this scale.

People often lack the long term vision of a plan like this.

Lakefront property is never going to be more affordable than it is right now.

CONTINUED ON BACK...

4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

the cost. People appreciate and love the lake until you want to spend public money when they see other needs in their community

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?

(PLEASE CHOOSE ONE)

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*What transit system?
Lorain County lacks a transit system that serves these communities.*

THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



Tim Pinckell
Avon Lake

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

To create more opportunities for connectivity to the Lake, surrounding businesses and communities.

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

- 1- Boat Launch @ Miller Road Park - Avon Lake
1/3 other boat launches.
- 2- Beaches along the Lake that are open to the public.
- 3- Businesses and restaurants along the Lake open to the public.
- 4- Entertainment opportunities along the lake. - concerts, festivals, water recreation
- 5- Lake Erie - All the activities - recreation and leisure

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Long term objectives need steady funding and conclusions.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

Not everyone agrees or understands the benefits of the lake. Cities may be in silos - only concerned about their own community and not realize the benefits of attracting others.

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

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THANK YOU FOR PARTICIPATING!

QUESTIONNAIRE

Lorain County Lakefront Connectivity TLCI Plan



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN

1. WHAT IS YOUR GOAL FOR THE OUTCOME OF THIS PROJECT?

Non motorized movement, walk, bike

2. LIST YOUR TOP 5 DESTINATIONS IN OR NEAR THE STUDY AREA (PLEASE BE SPECIFIC) AND WHY:

1- Mill Hollow - great park space

2- Showse - lakefront

3- Lakeview - amazing lakefront

4- Boat launches - AL Sheffield, Lorain, Verm.,

5- Food Service - downtown Verm., Lorain, south in AL

3. WHAT ARE YOUR IMPRESSIONS OF THE CHALLENGES OF THE PROJECT?

Path space width - perhaps look @ areas parallel to Rt 6 for N/S route.

CONTINUED ON BACK...



4. WHAT DO YOU THINK THE PUBLIC'S IMPRESSIONS OF THE PROJECT CHALLENGES ARE?

#s (funding)
Right of way

5. WHICH OF THE FOLLOWING OPTIONS DO YOU PREFER TO BE BUILT IN THE STUDY AREA?
(PLEASE CHOOSE ONE)

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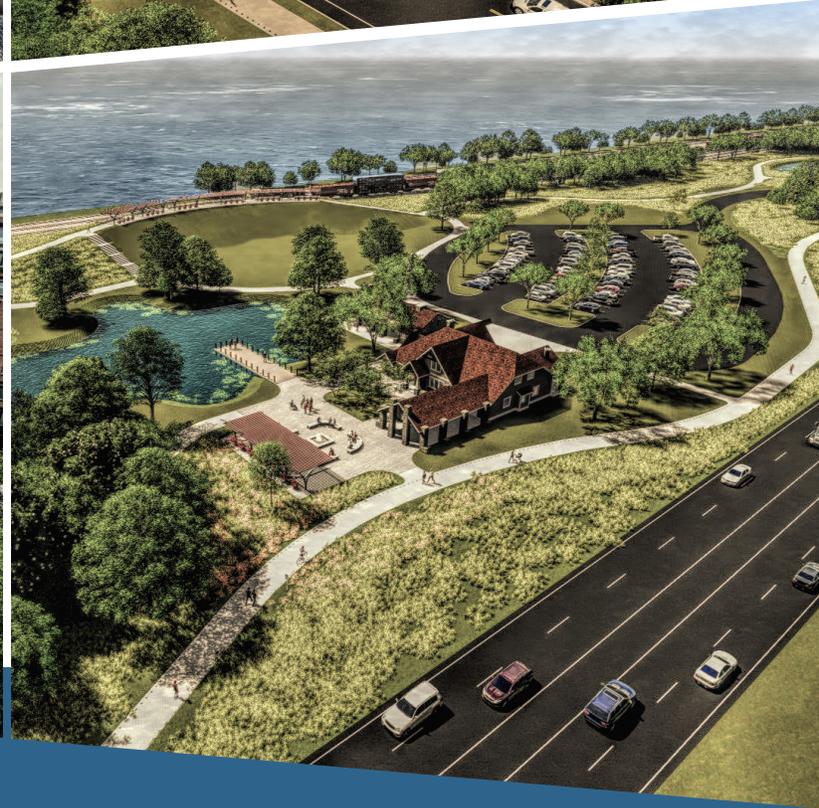
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THANK YOU FOR PARTICIPATING!

LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

PUBLIC MEETING 1A



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

04/29/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

04/29/2017

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LouAnne Eberle	44089	
Lynne Greene	44089	
JUNE RINI	44089	
Patty Rini	44140	
Paula Demarco	44089	
Molly Anders	44089	
Terri Grantham	44089	
Timothy Anders	44089	
Butchie Borus	44052	



LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

04/29/2017

Name	Phone Number	Email
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COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

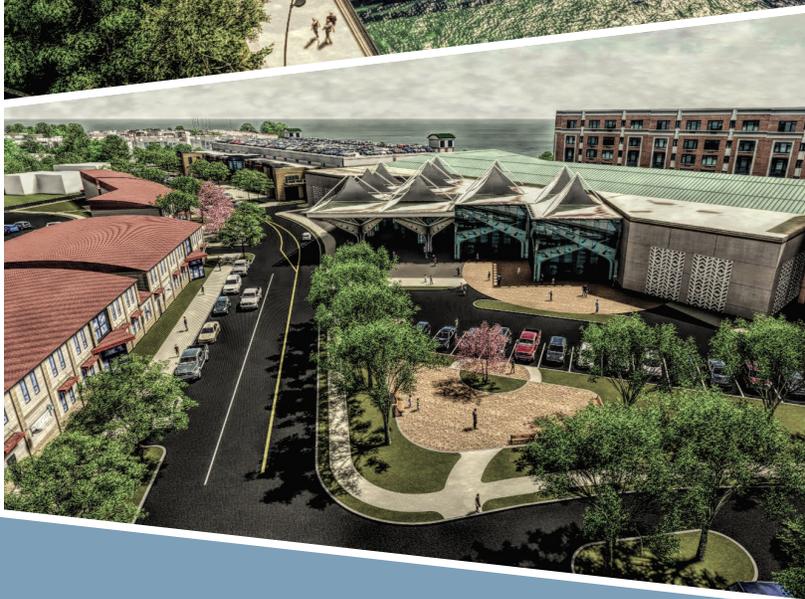
04/29/2017

Concern about lakefront from RR undercut in
Lorain to Vermilion city limits



LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

PUBLIC MEETING 1B



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

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	MATT SOVEGS	" "	" "
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	Michelle Ryan	44054	lil_feet01@yahoo.com
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COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

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STEVE KORACH 44054
KEN TATTER 44054
o Marleen Watling 44039
Mayor Bring
Commission Lundy
Jim Ziemnik Metro Parks
Jeskiore@gmail.com
Kip.ince@npeinc.com
dtard@yaho.com
SKCOUNCILATLARGE@GMAIL.COM
Steffield Lake Resident/BZ to
mwatling@lpls.info



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

Annual usually June - end of month
Tour de Cure - Fundraiser for American
Diabetes Association
NOT A RACE!

Cancelled Cleveland to Lorain
Rte. this year -

Need better route that is safe -
and well marked

Bring it back!



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

Seasonal - 3-4 months Per year
Limited effect on Bz - Can't carry stuff on Bike

Stop 65 Repo - could be attraction -
Access Path Through Lorain from Shell (sh)

short Trips

* Crosswalks

Marine Fuel along the Corridor

* Utilize LeVeau Park Restaurant

Restrooms



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

Our community already contains bike trails on both sides of Lake Road. It would be appropriate to have the bike lane right next to the sidewalk. This would require sidewalk the whole length of the city. At this time sidewalks are sporadic. This I believe would be the best project for the first phase of this in Sheffield Lake.

Steve Kovach
Council & large Sheffield Lake
& Rep to Park Board.
Phone (440) 724-9042



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

Q1: Opportunities

- Economic development
- Anything is a plus
- More entertainment
- Ferris Wheel

- Side Streets
towards Lake
adding paths

Q2: Challenges

- Lack of Sidewalks along Shoreway - ADA Com.
- Riding next to traffic
- Aging sidewalks
- Changing of Ordinances (If funding provided, more people go for)
- Facilities

Q3: Types of Destinations / Experiences

- Lighthouse
- Parasailing
- Carousel @ Lakeview
- Boat launch
- Swimming @ Miller Park
- Kayaking / Paddle Boarding Rental
- Picnic area
- ~~Hotels~~ Hotels / Lodging
- Restaurants



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

- Lakefront trolley ride - reestablish -
 - dedicated bike path - east to west, with stations
 - one North/South route around over 5 miles linking to parks farther south
 - parking / bike stations at N/S & E/W junctions
 - more beaches, proper signage of things to ID attractions & stops near the shore, especially on Rt. 2
of signs to the parks
- Development based on lighthouse in Lorain, Big Thing, piers
- Public transport - /RTA park n rides
 - Rezone lakefront to allow for different developments - R2 or R3
 - Route bike trails to the south of Vermillion downtown
 - ~~Zone~~ No roller parks



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

- Destinations: West Shore Park
Shoreway Shopping Center } Sheffield Lake
Lakeview Park
- Boat launches
- Black River Landing
- Mile Long Pier
- Paved-multipurpose trail - Ferndale to Lake
- Downtown Lorain / Palace / Jackslope
- Avon Lake Shopping Center
- Opportunities - Connectivity from North side of road to Shoreway Shopping Center
- Better cross walks - easier crossings w/ lights. - Connectivity will increase municipal opps to gain further funds for beach upgrade.
- increased safety
- North/South connection
- Lake Breez ~~ROAD~~ Road - steel mill trail to Rt 6.
- Challenges - Signage / facilities
- beach access.
- Hard to find Black River Landing
- Hard to find Mile Long Pier / Lakeside Landing
- Speed Reduction

mixed - multipurpose + bike lanes



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

③ truly on electric
RTA PARK; RIDES
DEDICATED BIKE PATH
W/STATIONS
then SOUTH CONNECTORS TO THE
PARKS
every 4 to 5 miles

LORAIN CENTER OF DEVELOPMENT
BEACHES AND SIGNS TO GET TO THEM
VERM - BIKE TRAIL SOUTH OF DENTON
REQUIRING TO PROVIDE FOR
BIB & R2

④ OPS
E.D. OPS
ANYTHING IS A PLUS
PARASAILING SPEND \$\$\$
HOTELS PICNIC AREAS

CHALL
connecting all parks w/ sidewalks
if selling you have to build a sidewalk



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

Table 1

Connectivity - to ethyria and oberlin
rest areas
restrooms
multi-purpose trail
fishing pier

② DESTINATIONS IMPORTANT
BOAT LAUNCHES

OPS

CANT FROM N 705 - AT SHEFF. L SHOPPING
CENTER

INCREASE SAFETY

SPEED REDUCTION

NIS CONNECTION

CHALLENGES

SIGNAGE!!

CAN'T FIND YOUR WAY TO ANYTHING

BEACH ACCESS

SPEED REDUCTION

CROSSWALKS



COMMENT SHEET

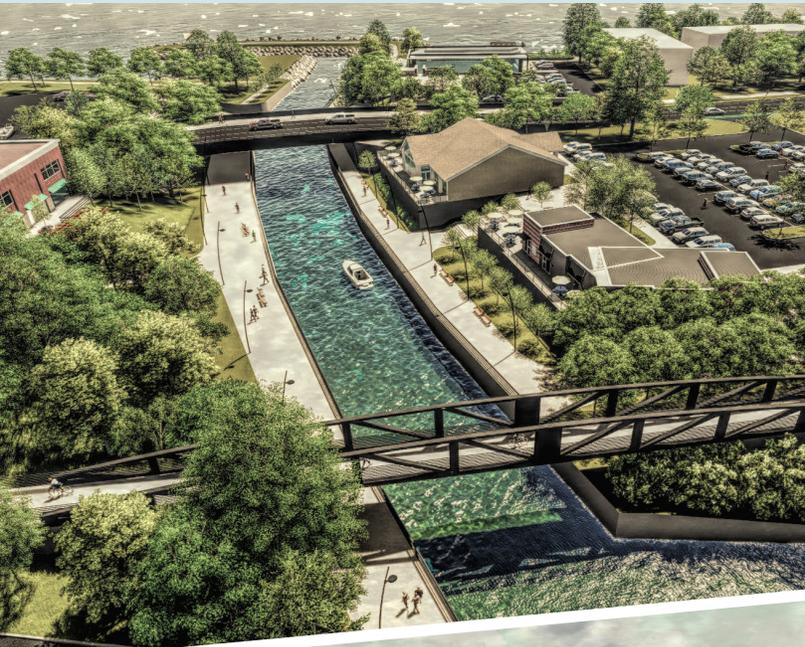
Lorain County Lakefront Connectivity TLCI Plan

05/04/2017

⑤ SEASONAL LIMITATIONS
PLACES FOR PEOPLE TO STAY
MARKET TO 12 MONTH SEASON
SOME SORT OF PUBLIC TRANS.
TO RENT BIKES ON (LIKE CVSR)
↳ ONLY WANT TO BIKE ONE WAY
BIKE AND SPENDING ~~ON~~
↳ FOOD, CONCERTS, B:B
TRUCK IN METROPARKS
CROSSWALKS (LIKE IN FLORIDA)
FLASHING BEACONS
DESTINATIONS BY WATER AND LAND
NO MARINE FUEL OTHER THAN VERMILLION
RESTROOMS



STAKEHOLDER MEETING 2



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/11/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/11/2017

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STAKEHOLDER MEETING #2 AGENDA

Lorain County Lakefront Connectivity TLCI Plan

07/11/2017

Agenda

1. Existing Conditions (Quick Review)
2. Overview of Stakeholder Meeting #1 and Public Meetings 1a and 1b Results.
3. Economic Development Site Plan Review
4. Transportation Alternatives Review
5. Green Dot Exercise
6. Next Steps

Melissa Thompson
mthompson@mpo.noaca.org

Notes:

Additional considerations:

- US-6 is a Federal Aid Primary Route from east side of county to Leavitt Rd. Requires one 12' travel lane in each direction, OR successful completion of a safety study/design exception to allow narrower travel lanes
- US-6 is a designated state/U.S. bike route, and an adventure cycling route; both routes target long-distance cyclists that may prefer on-road facilities.
- More consideration of the feasibility/\$ differences between on-road (bike lane) versus off-road (trail/sidewalk), before choosing a preferred alternative



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/11/2017

refer
to
TLCI
Design
Guidelines

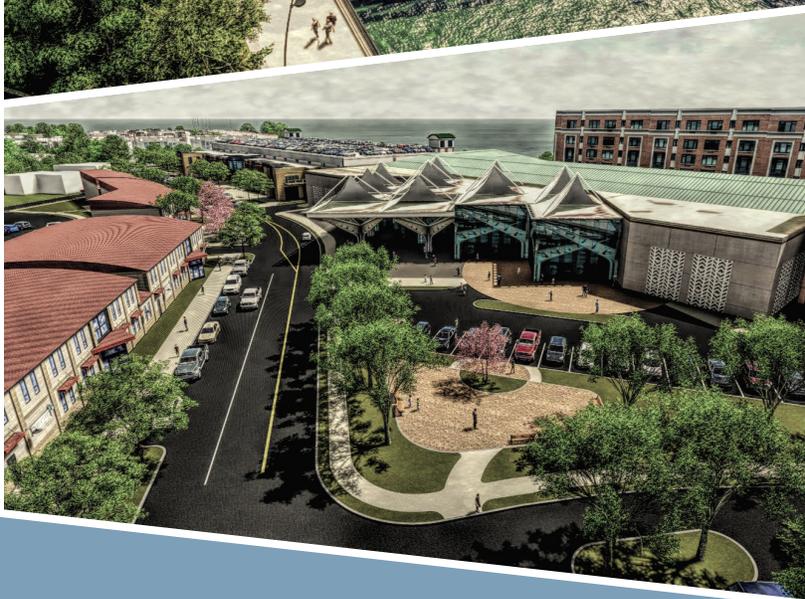
- Consider portraying the bike lane as a lower-cost, short-term option, with the trail/SW as more long-term. (If high level analysis shows this to be true). NOAA is especially encouraging
- { TLCI projects to include both low-cost + high-cost options in final plan.
- Consider recommending more robust on-road options where feasible (buffered bike lanes).
- NOAA recently completed a study of Lorain County, which included road diet recommendations for US-6, based on 24-hour volumes and existing # of lanes.

— Melissa Thompson
mthompson@mpo.noaa.org



LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

PUBLIC MEETING 2A



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/27/2017

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LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



Ted Kalo Lori Kokoski Matt Lundy



The community impact people.

SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/27/2017

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LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



Margie Walker
Email lillyomnie@yahoo.com
Phone 440-245-1382
September 6, 2016

To The Editor,

Lorain Big Idea Meeting

I was going to present these ideas, billed as 'Big Ideas Meeting' at the Palace. There was a presentation, then we were asked to put red, green, or blue stickers listed on subjects in the back of the theater in what we thought was important. Myself, along with others, came with lists in hand but not to be heard.

MY LIST

1. We need foot traffic, foot traffic, foot traffic, and younger people living downtown in apartments above the stores with spendable income and energy to participate in activities.
2. There could be smaller complementary businesses under one roof. People could gather and pick-up a few groceries or ready made foods, a bar, and a barber/beauty shop.
3. A big Ferris wheel, to view the lake and sunsets. We would be in the "in league" with St. Louis, Paris, France, and London, England. People could come to Lorain.
4. Paddle wheel boats
5. Log rolling contests
6. Para-sailing, why should we have to travel far away for these adventures? People can come here.
7. Tram rides for free to locations where activities are being held.
Tram rides and security will be paid for with bingo and food vendors. This would also bring a lot of foot traffic.
There would be need to change the law to accommodate the bingo profits pay to for security and tram.
8. Small manufacturers can be located along Elyria Avenue and further on Broadway. Manufactures could employ people living near by who would not have to have to drive. It would bring jobs, taxes, and foot traffic. There already is a cabinet maker, upholstery shop, and a T-shirt printer shop.

Question?

If Broadway Avenue were to have a divide in the center and extend the sidewalk into the street there wouldn't be space for parking. Years ago in Broadway's hay day with crowded sidewalks it was more then adequate. How would emergency vehicles go through and snow removal be handled? And the city doesn't have any matching funds. We're broke.

Sincerely,
Margie Walker

COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/27/2017

Q2/Q1: Both lakefront & riverfront (only city); Walleye Capital; Closeness to open water; close to international trading; Seasonal campground possibility on pier; children's hospital, university extension; Art & Manufacturing; winery;

Q3: East/West Erie are difficult to walk → sidewalks close to road;
- trolleys could be used for transit



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

07/27/2017

★ → { ^{Restaurants} Shopping & Retail & hotels, great, But behind the public green spaces) → a higher elevation with a great view!

The west side of the Black river would be a wonderful park with para sailing, a large ferris wheel, jet skiing, & boat rentals.

Around W. 21st → (Henderson)

Restaurants overlooking the River would be great. Canoe Rentals also.

Any Bike & walking trails all along Lake Erie connecting all of the parks would be great. Also, a North to South corridor trail on the west River Bank continuing as far as possible southward. Most of that land is ^{owned} owned by the port Authority.



{ Can slag piles be utilized if they are not gone? }
- put - put - golf, etc
(3) walking
Biker
etc

for a whole golf course!

Definitely
Bike & walking
trails
connecting
everything

Opportunities

- Remove railroad, change to bike path
- Access to lake, beaches
- Pathway north-south to the lake
- Designated bike routes
- Tourism
- Funding on/near lake

Destinations

- Pier
- Restaurants
- Parks, beaches

Transportation

- ~~Multi~~ use trail preferred to 2 way bike trail
- Public transportation, bus, rail
- Turn N-S RR to trolley system
- Bike
- Rent-a-bikes

①

Keep low key & family friendly.

Cottage rentals - midsize foxtessel around boats
fishing swimming.

Moderately priced hotel rooms restaurants.

Connect the Metro parks to the Lake & to the destinations. + looking for being able to walk, bike between areas.

fill in

②

Missing Destinations

Educational/Ecological opportunities/facilities
year round activities

Holland, Mi

Destinations for families/entertainment

③

Do not want concentration of Bars.

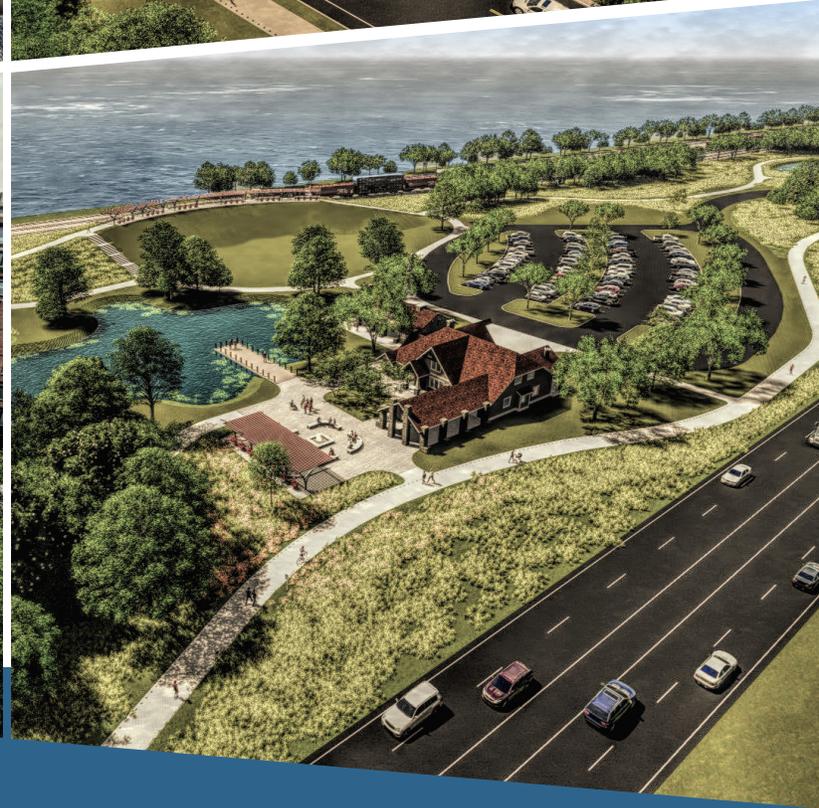
Split of Bicycling & walking → prefer
important to have transitions between transport
layouts well signed & handle transitions.

NOTES.

- Improved biking/walkability options
 - Lodging options - hotel
 - bike friendly
 - Increase in businesses
 - Safer options for pedestrians
 - Better signage related to parks/points of interest.
 - Increased bike clubs/participation.
 - Remove railroad
- Hotel / Camping
 - Bike shop / Bike station
 - Restaurants
 - Rest areas / restrooms along the route
 - Better North / South connections
 - Bike Racks
 - More Lorain Co. Metro Parks in Lorain City
- ~~Wanted~~ Dedicated national bike trail
 - Bikes
 - Transit - Public Transpo.
 - Dedicated bus/shuttle - Start in Lorain/Vermilion and shuttle back to start location.

LORAIN COUNTY LAKEFRONT CONNECTIVITY PLAN

PUBLIC MEETING 2B



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

08/02/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

08/02/2017

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COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

08/02/2017

Sidewalks ^{currently} Not maintained and in disrepair
distraction? exercise, no stores available
Date Restaurants, coffee shops, snacks
Eric Park, exercise, casual conversation, social
Jhey kayaking, fishing
library, Metropark



COMMENT SHEET

Lorain County Lakefront Connectivity TICI Plan

08/02/2017

Bike Lanes - In places where they currently have bike lane
Put both directions on one side
which would add buffer, but use
same space.

Having a sidewalk + bike lanes =
more maintenance costs

Opportunities

- Make gathering spaces, cool hangouts
- Music
- Dance clubs
- Culture
- Sunsets / Views

Fun: - Kayak Rentals / Jet Ski
- Water Park



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

08/02/2017

1.) OPPORTUNITIES

2.) DESTINATIONS/EXPERIENCES

3.) ASIDE FROM CAR, HOW DO YOU WANT TO GET PLACE



1) Opportuntills

- Flexibilities in options some walkways
- ~~Aventake~~ Miller Road - Boat Ramp
- Make a destination
- Big Potential for redevelopment / AL Shopping Center
- * Hindered by ~~no~~ crosswalks
- * Trail w/ sidewalks - winter ~~no~~ sidewalks
- different options

2) Destinations - Seasonal

- Use class C trails in destination spots
- Black River Landing
- Lorain Downtown
- Class A in Travel

3) Aside from a car travel

- Kayaking
 - Bicycles
 - Boating
 - Public Transport / Uber
- Concerns with property owners and maintaining + installing sidewalks that take up good majority of front yards

1. and 2.

* Bike path is okay as is
but needs repaired

1. Repair bike path
Keep it the way it is (location)

Behind Kawalski Dealership

* Tri-C = CCC partnership for Culinary use
Institute & banquet center

* Increase Public Access to lake
Remove fence
Add piers ~~XXXX~~

Add restaurants on the lake

Bring in new business that residents will support

Increase Directional Signage

* 3. Walk or bike is an option
we would consider if the journey
was safe & pleasant

1) Used destination
Retail - not name brand
↳ UNIQUE

* places can love their "destination"

Vets Park
Lakeriew } → do something
like coffee

2) UNIQUENESS

3) Tough — 4 reasons
Knowing how Truist operate
Hiding in Metropark

COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

08/02/2017

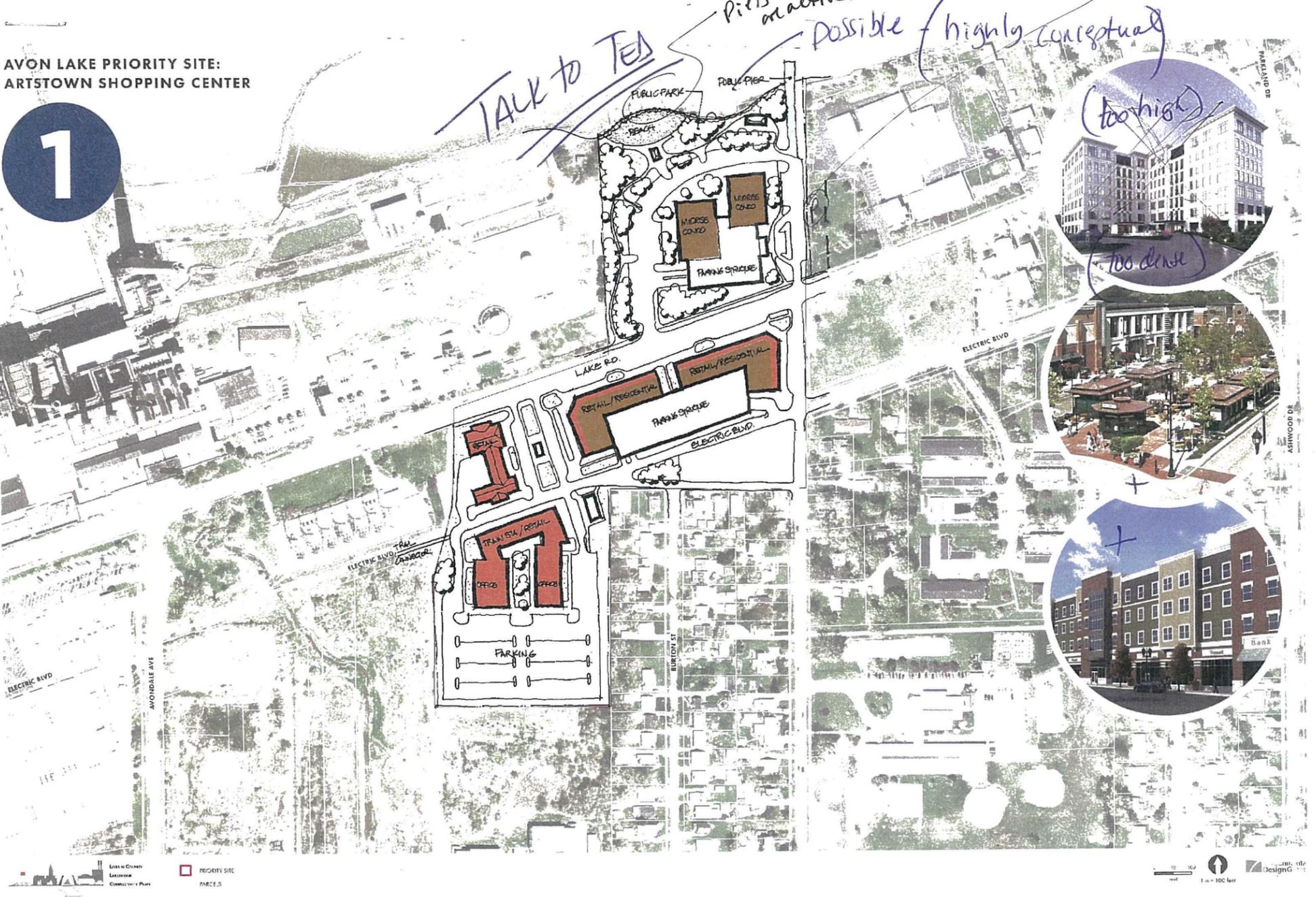
35% even clear

06/2



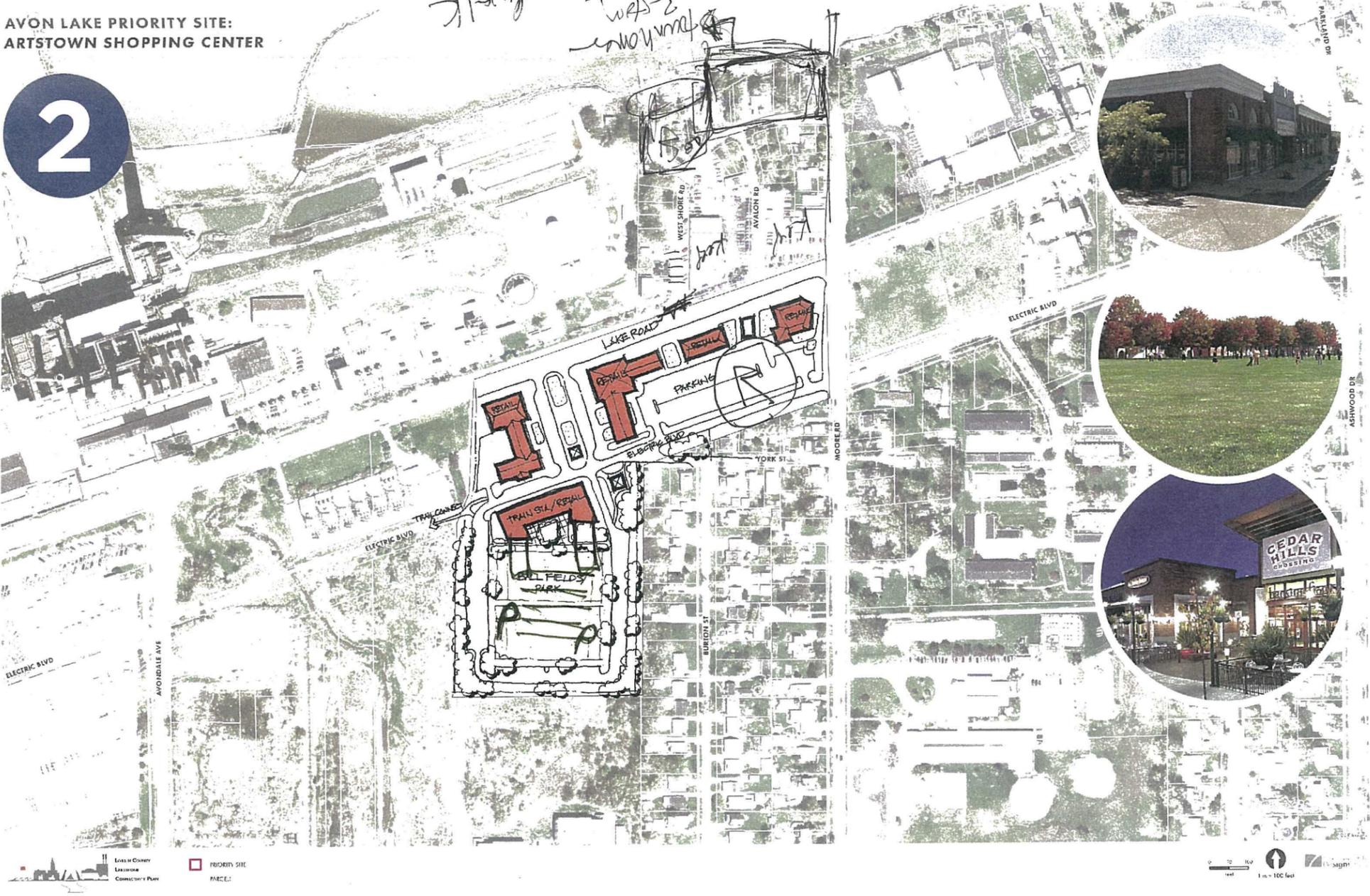
AVON LAKE PRIORITY SITE:
ARTSTOWN SHOPPING CENTER

1

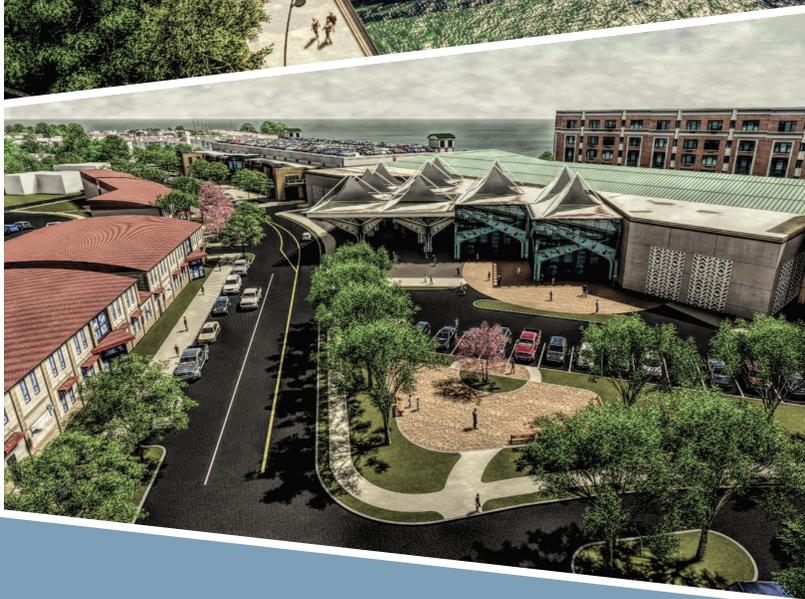


AVON LAKE PRIORITY SITE:
ARTSTOWN SHOPPING CENTER

2



STAKEHOLDER MEETING 3



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

09/12/2017

Rosa Gee Sheffield Lake Council

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LORAIN COUNTY
LAKEFRONT
CONNECTIVITY PLAN



Ted Kalo Lori Kokoski Matt Lundy



Environmental
Design Group
The community impact people

COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

09/12/2017

what/where are the major crossings?

esp where the road is really wide - 14'

→ include recommendations for high-visibility crosswalks RFBs / HAWKS even to get people from North to South + vice versa across to

→ in areas with a 10' trail recommendation, why not expand to bike lane even to 6' so that a buffer could be added.

→ emphasize how the "trail" could connect within + between the site plans. ~~Final~~ the ~~transportation~~ site plans depend in part on the transportation piece of the study.

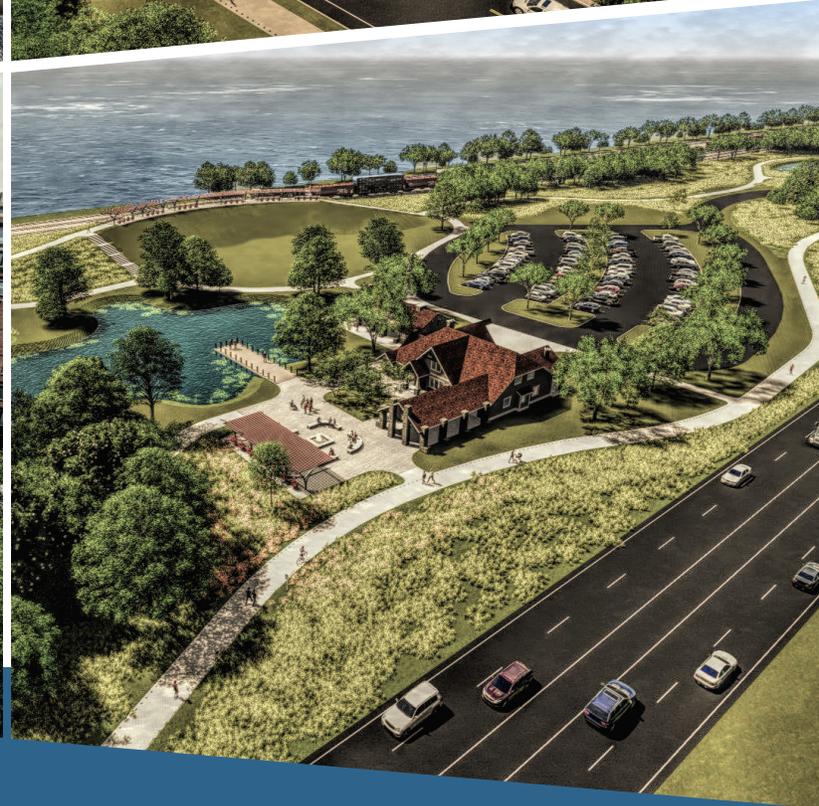
I like the marina - how cool would that be ☺

→ keep equity in mind - ^{ORIS} [↑] ^{willing} who can't afford to pay

→ how resilient are these coastal developments to sea level fluctuating water levels, ^{wetland migration} erosion? ^{our shorelines are precious resources, are more breakwalls really needed?}



PUBLIC MEETING 3



SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

10/05/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

10/05/2017

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SIGN IN SHEET

Lorain County Lakefront Connectivity TLCI Plan

10/05/2017

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Ted Kalo Lori Kokoski Matt Lundy



COMMENT SHEET

Lorain County Lakefront Connectivity TLCI Plan

10/05/2017

I Love the vermilion idea. I ride my bike for MS
maybe you can contact them to change the
route through the area.

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