

APPENDIX H

Cost Estimates

I. Constructability Assessment

CONSTRUCTABILITY ASSESSMENT

Replacement/Rehabilitation of the Brent Spence Bridge and Adjacent Corridor

**Prepared for the
Kentucky Transportation Cabinet
And
Ohio Department of Transportation**

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Introduction

The National Constructors Group has assessed the conceptual Alternatives Numbers One, Two, Four, Five and Six for the replacement and/or rehabilitation of the Brent Spence Bridge and adjacent I-75 Corridor from a constructability (contractors) perspective.

The assessment includes the following activities:

- Feasibility of ultimately developing a reasonable time span of construction and an economical approach to construction staging and traffic phasing
- Development of conceptual quantities of work and/or allowances for the conceptual cost estimate
- An independent analysis projecting the total project costs based upon construction commencing 2014 and completing 2019.
- An evaluation of potential issues, risks and opportunities
- A comparison of the alternatives

After an initial review of the Alternatives, NCG chose to use Alternative Four “Single Bridge Replacement” as the baseline for its assessment. The detailed discussion will revolve about Alternative Four. The other Alternatives will be discussed as issues which are exceptions to Alternative Four.

Construction Sequence and Schedule

The Construction duration for Alternative Four, assuming full funding is available when actual construction commences is in the range of fifty four to sixty two months depending upon the Notice to Proceed Date for various contracts (e.g., effects of weather on start of construction.)

The initial critical path of construction is the River Crossing Main Span. Once the northbound lanes are complete, the critical path switches to the Ohio roadway work.

Close coordination between the Kentucky Transportation Cabinet and Ohio Department of Transportation will be required for maintenance of traffic relative to placing the new bridge in operation. Both approaches require a lineal sequence once the northbound bridge is completed. The Ohio sequence requires a longer duration than the Kentucky sequence thus requiring detailed special provisions to accommodate the interface between Kentucky Roadway, the River Crossing and the Ohio Roadway.

The Kentucky interface with the River Crossing conceptually requires four significant traffic phases once the northbound River Crossing is initially complete.

The Ohio interface with the River Crossing conceptually requires six significant traffic phases once the northbound River Crossing is initially complete.

The construction durations for the remaining Alternatives are (using the most recent ODOT schedule):

Alternative One commencing construction 2014 and completing construction 2019

Alternative Two commencing construction 2014 and completing construction 2020

Alternative Five commencing construction 2014 and completing construction 2019

Alternative Six commencing construction 2014 and completing construction 2019

Construction Staging and Traffic Phasing

The Construction Staging/Traffic Phasing for the Ohio Approaches for Alternative Four is extremely complex. The first order of business is to reach a Memorandum of Understanding with the City relative to closure of existing cross street bridges that are to be reconstructed and duration and periods such structures can be closed.

To reduce the impact of bridge closures, innovative approaches to sub-structure geometry, foundation and superstructure type selection should occur as the first step of preliminary design.

From the information currently provided, profile conforms and conflicts must also be sorted out as a first step of design.

The initial review of traffic phasing indicates temporary bridges will be required. Furthermore, profile geometry and required structural depths will be an issue for the cross streets and where the ramps to Fort Washington Way tie-in.

The initial review of traffic phasing indicates significant detours will be required for I-75 mainline traffic.

The Construction Staging and Traffic Phasing for the River Crossing for Alternative Four is driven by the approaches to the main span. The main span can be constructed without involvement with the approaches.

The Construction Staging/Traffic Phasing for the Kentucky approaches for Alternative Four are basic to Interstate Highway Reconstruction, that being outside widenings, new alignments which conform to existing roadway coupled with ramp alignment modifications which may require closures or night work.

Conceptual Construction Cost Estimate

The conceptual quantity take-offs are included as Attachment D. These quantities are used as the basis of the conceptual cost estimate. As the program progresses, these quantities can be utilized to contain cost growth during design or as documentation if the scope of work is changed during design thus affecting the cost.

Where quantities of work have been developed, unit prices were used to price individual items of work.

Where quantities of work had not been developed either percentages of the total cost of the unit price work (a major portion of the estimate) or allowances as lump sum were used. The allowances are based upon broad experience in highway and major over water bridge experience. The most important issue is to recognize the items of work that are required at the conceptual stages.

Chart Number 2 summarizes the conceptual construction cost estimate by Group. Chart Number 3 provides the detail included with each Group.

The Conceptual Construction Cost Estimate Total is then carried forward to the Conceptual Total Capital Expenditure.

Analysis of Conceptual Total Capital Expenditures

NCG has identified primary categories of cost to be included in the Total Capital Expenditure. Chart One defines these costs.

Certain items such as right of way, mitigation (i.e., relocation, damages), and utility (owner's construction) costs were developed by other members of the consultant team.

For other cost categories, NCG has expressed an opinion based upon percentages of conceptual construction cost estimate.

Chart One details the Total Capital Expenditure.

Basis of Conceptual Program Total Capital Expenditure

This project, at this phase, appears that it will be classified as a “Mega” project requiring a Financial and Management Plan which must be related to the total Capital Expenditure.

For this reason, the following Categories of Costs have been identified:

- Environmental Study/Preliminary Design - 3% of current construction cost
- Final Design - 9.5% of current construction cost (based upon recent analysis of similar projects)
- Construction Management
 - Department - 6% of current construction cost
 - Third Party (including Quality Control) - 8% of current construction cost
- Environmental / Planning / Right of Way Contingency - 15% of current construction cost
- Design Contingency – 15% of current construction cost
- Construction Reserve (Contract Change Orders) – 5% of current construction cost

Issues

In assessing constructability at the conceptual stage, it is imperative to establish and examine issues that require immediate attention during the development stage. These include the following:

- Program organizational structure and procedures – functional and personnel
- Development of a detailed development, planning and design schedule
- Development of a program delivery strategy
- Design responsibility and approval
- Financial plan approval
- Approach to right of way acquisition
- Approach to Memorandum of Understanding with communities, regulatory agencies, public and private utilities
- Commence in-depth soils investigation program

Risks and Opportunities

In assessing constructability at the conceptual stage of program development, it is imperative to establish and examine the risks and opportunities to improve quality, shorten the program delivery schedule and reduce cost. Potential management strategies should be developed early in the development process. NCG has developed three categories of Risks and Opportunities as follows:

- Category One – Items that require immediate attention during the development stage.
- Category Two – Pre-construction items that impact construction costs and sequence.
- Category Three – Items during construction that impact construction costs and schedule.

Risk evaluation is based on a ten-to-one scale with 10 being extremely high risk

Opportunity evaluation is based on a ten to one scale with 10 being high chance for success.

Category One	Alternatives				
Risks	1	2	4	5	6
Right of Way	10	10	5	7	10
Community opposition and legal challenges	7	6	8	6	5
Utilities	8	8	8	8	8
Delay in sequence of preferred alternative	5	5	4	7	5
Potential influence on design criteria	8	7	7	8	7
Delay in receipt of Record of Decision	7	8	7	8	8
Environmental mitigation	5	7	5	7	7

Category Two	Alternatives				
River Crossing Bridge Structures	1	2	4	5	6
High water – design foundation and substructure to accommodate	8	8	8	8	8
Access and Logistics – define access approach to river piers – avoid river elevation criteria	6	6	5	6	6
Containment and treatment of storm water runoff	9	7	4	7	7
Super-structure type selection	10	10	10	10	10
Alternative super-structure design – competitive bidding	8	8	8	8	8
Context – Sensitive design requirement	10	10	10	10	10
Structure Geometry	7	7	6	6	5
Coast Guard Requirements – Heavy lifts, etc.	6	6	6	6	6

Category Two	Alternatives				
Existing BSB Retrofit	1	2	4	5	6
Experience based contract documents, e.g., special provisions	8	6	2	6	8
Structural Integrity of Members	4	4	4	4	4
Lead paint removal issues	10	1	1	1	10
Night work	10	10	10	10	10
Traffic disruption	6	6	5	10	6
Disruption of work due to required sequence	8	5	8	8	5

Category Two	Alternatives				
Existing BSB Removal	1	2	4	5	6
Lead paint removal issues	1	10	10	10	1
Disposal structural steel	4	8	8	8	4
Safety conditions – Coast Guard	5	7	7	7	5
Foundation Removal Requirements	5	7	7	7	5

Category Two	Alternatives				
Roadway Work	1	2	4	5	6
Temporary and permanent storm water pollution control	5	10	5	10	10
Railroad requirements/agreements	10	10	10	10	10
Historical building retrofit, mitigation and relocation	2	2	2	2	2
Pre-construction schedule slippage	6	6	6	6	6

Category Two	Alternatives				
Opportunities	1	2	4	5	6
Recognize that during design function all parties “Get Smarter.” Provide funding for alternatives, separate analysis, implementation of value engineering recommendations.	7	7	10	7	5
Require Design Team to be co-mingled with department personnel.	8	8	8	8	8
Deliver very detailed construction and traffic phasing plans.	8	8	8	8	8
If “High Tech” River Crossing Bridge is chosen, develop completely engineered construction details, calculations and drawings.	8	8	8	8	8
If “High Tech” River Crossing Bridge is chosen, have independent peer review team for design and constructability.	9	9	9	9	9
Implement independent third party and department advisory/change committee.	9	9	9	9	9
Establish bid item allowance funds for certain items of risk.	8	8	8	8	8

Category Three	Alternatives				
Risks	1	2	4	5	6
Abnormal escalation of craft labor and permanent materials	4	4	4	4	4
Competitive bidding atmosphere	5	5	5	5	5
Adverse impact of unfavorable media	7	7	7	7	7
Disruptions to local traffic and businesses	6	8	8	8	6
Noise, vibrations and dust pollution	5	5	5	5	5

Category Three	Alternatives				
Resource Availability	1	2	4	5	6
Contractors staff and craft labor	5	5	5	5	5
Experienced management staff, both agency and third parties	7	7	7	7	7

Category Three	Alternatives				
Differing Site Conditions	1	2	4	5	6
Roadway	5	5	5	5	5
Slope Stability	6	5	5	8	6
Unsuitable foundation conditions for large embankment	6	6	6	6	7
Ground Water	5	5	5	5	5
Bridge/Retaining Wall Foundations	8	5	5	8	5
Unknown Utilities	6	6	5	7	8
Hazardous Materials	6	7	5	6	6
Contaminated Water	6	7	5	6	6
Man-Made buried objects	6	7	5	6	6
Archeological Sites	6	6	6	6	6
Aerially Deposited Lead	8	5	5	5	8
Temporary storm water pollution control	6	7	5	6	6
Third Party Utility Delays	7	7	7	7	7
Quantity Growth	5	5	5	5	5
Extreme Weather Condition	6	6	6	6	6
Extended review of Contractor Submittals	5	6	5	6	5
Local Ordinances being changed during construction	6	6	6	6	6
Construction contract coordination and interface issues, especially between Departments relative to River Bridge M.O.T. sequence	7	7	7	7	7

Category Three	Alternatives				
Opportunities	1	2	4	5	6
Develop pro-active management philosophy for construction	8	8	8	8	8
Contract Special Provisions can be developed to avoid risks of quantity overage and weather conditions	9	9	9	9	9
Utilize incentives/disincentives for individual project interface	6	6	6	6	6
Utilize Joint Department/FHWA Management Committee – with specific responsibilities	8	8	8	8	8

Chart I
CONCEPTUAL PROGRAM TOTAL CAPITAL EXPENDITURE

	Alternative Description				
	Alternative #4 "Base Line" Single Bridge	Alternative #1 - Rehab + I-75 West	Alternate #2 - New East +I-75 West	Alternative #5 - Double Bridge Replacement	Alternative #6 - Rehab + I- 75/I-71 West
Conceptual Construction Cost Estimate	553,408,255	667,505,630	745,965,740	747,888,922	707,037,518
Right of Way					
Mitigation					
Utilities (Owner Construction)					
Zone or Limited Air Space					
Sub Total Facilities	553,408,255	667,505,630	745,965,740	747,888,922	707,037,518
Preliminary Final Design	52,573,784	63,413,035	70,866,745	71,049,448	67,168,564
Construction Management - Department	33,204,495	40,050,338	44,757,944	44,873,335	42,422,251
Construction Management - Third Party	44,272,660	53,400,451	59,677,259	59,831,114	56,563,001
Sub Total Design/Management	130,050,939	156,863,824	175,301,948	175,753,897	166,153,816
Planning Contingency	83,011,238	100,125,845	111,894,861	112,183,338	106,055,628
Design Contingency	83,011,238	100,125,845	111,894,861	112,183,338	106,055,628
Construction Reserve	27,670,413	33,375,282	37,298,287	37,394,446	35,351,876
Sub Total Contingency & Reserve	193,692,889	233,626,972	261,088,009	261,761,122	247,463,132
PROGRAM CAPITAL EXPENDITURE(2005 DOLLARS)	877,152,083	1,057,996,426	1,182,355,697	1,185,403,941	1,120,654,466
Escalation Based Upon 2019 Completion	182,624,726	220,276,851	246,168,692	246,803,346	233,322,410

*Escalation midpoint of construction being year 2017 or 11 years of escalation at 3% (not compounded)=33% of construction cost

Chart 2
CONCEPTUAL PROGRAM CONSTRUCTION COST

	Alternative Description				
	Alternative #4 "Base Line" Single Bridge	Alternative #1 - Rehab + I-75 West	Alternate #2 - New East + I-75 West	Alternative #5 - Double Bridge Replacement	Alternative #6 - Rehab + I- 75/I-71 West
Conceptual Construction Cost Estimate					
Controls/Preparation	66,261,626	115,134,027	134,250,437	115,135,223	117,857,248
Roadway Earthwork	46,618,796	46,637,396	46,637,396	60,559,096	60,559,096
Roadway Structural Section	19,165,003	19,165,003	19,165,003	24,914,406	24,914,406
Structures	25,151,160	87,320,960	25,220,960	25,590,900	87,690,900
Bridge - River Crossing	192,000,000	136,000,000	245,520,000	216,000,000	136,000,000
Bridge - Roadway	125,120,000	154,902,400	154,910,400	190,659,040	190,659,040
Retaining Walls	19,792,800	47,296,800	57,852,000	47,296,800	19,792,800
Drainage	5,684,960	5,684,960	5,684,960	5,684,960	5,684,960
Traffic Delineation/Safety	20,489,680	20,489,680	20,489,680	24,347,216	24,347,216
Maintenance of Traffic	12,901,340	12,901,340	12,901,340	13,981,608	13,981,608
Utilities (Contractor Required)	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
Other	18,222,890	19,973,070	21,333,564	21,719,673	23,550,244
TOTAL PROGRAM COST	553,408,255	667,505,636	745,965,740	747,888,922	707,037,518

Chart 3

Conceptual Construction Cost Estimate - Detail
Alternative #1 - Rehab + I-75 West

Item No.	Item Description	Unit	Quantity	Unit Cost	Total
Group A	CONTROLS & PREPARATIONS				
1	Mobilization	LS	5%		\$34,690,192
2	Schedule	LS	1	\$7,525,000.00	\$7,525,000
3	Survey	LS	1	\$8,292,000.00	\$8,292,000
4	Clearing & Grubbing	AC	88	\$5,000.00	\$440,000
5	Removal Existing Structures	SY	220,665	\$225.00	\$49,649,625
6	Removal Pavement & Misc. Concrete	SY	397,442	\$5.00	\$1,987,210
7	Hazardous Material	Location	15	\$250,000.00	\$3,750,000
8	Contaminated Water	AC	88	\$100,000.00	\$8,800,000
	Subtotal Group A				\$115,134,027
Group B	ROADWAY EARTHWORK				
9	Roadway Excavation Incl. Haul	CY	15,000	\$15.00	\$225,000
10	Select Borrow Incl. Haul	TN	451,770	\$7.25	\$3,275,333
11	Common Borrow Incl. Haul	CY	3,885,615	\$11.00	\$42,741,765
12	Embankment Compaction	CY	225,885	\$1.75	\$395,299
	Subtotal Group B				\$46,637,396
Group C	ROADWAY STRUCTURAL SECTIONS				
13	Approach Sub-Base	TN	245,243	\$11.00	\$2,697,673
14	Approach Base	TN	230,765	\$15.00	\$3,461,475
15	Asphalt Pavement	TN	75,163	\$45.00	\$3,382,335
16	Concrete Pavement 12"	CY	80,196	\$120.00	\$9,623,520
	Subtotal Group C				\$19,165,003
Group D	STRUCTURES				
17	Structure Excavation	CY	36,296	\$10.00	\$362,960
18	Bridge - River Crossing	SF	320,000	\$425.00	\$136,000,000
19	Bridge - Roadway	SF	968,140	\$160.00	\$154,902,400
20	Bridge - Retrofit Existing	SF	276,000	\$300.00	\$82,800,000
21	Bridge - Remove Existing	SF	0	\$0.00	\$0
22	Retaining Walls - M.S.E.	SF	352,800	\$45.00	\$15,876,000
23	Retaining Walls - Cut Walls	SF	160,050	\$96.00	\$15,364,800
24	Retaining Walls - Cast in Place	SF	167,250	\$96.00	\$16,056,000
25	Drainage - Box Culverts	LF	0	\$0.00	\$0
26	Noise Walls	SF	277,200	\$15.00	\$4,158,000
	Subtotal Group D				\$425,520,160
Group E	DRAINAGE				
27	Inlet Structure	EA	250	\$14,000.00	\$3,500,000
28	Culvert Pipe PPC 24"	LF	29,568	\$45.00	\$1,330,560
29	Miscellaneous Drainage	ALLOW	1	\$300,000.00	\$300,000
30	Edge Drains	LF	18,480	\$30.00	\$554,400
	Subtotal Group E				\$5,684,960

Alternative 1					
Group F	TRAFFIC DELINATION & SAFETY				
31	Metal Beam Guard Rail	LF	76,580	\$13.00	\$995,540
32	Metal Beam Guard Rail Anchors	EA	174	\$500.00	\$87,000
33	Precast Concrete Barrier Rail	LF	10,560	\$25.00	\$264,000
34	Cast In Place Concrete Barrier Rail	LF	31,810	\$50.00	\$1,590,500
35	Impact Atenuators	EA	120	\$20,000.00	\$2,400,000
36	Traffic Stripping	LF	376,080	\$1.75	\$658,140
37	Permanent Overhead Signs	EA	10	\$150,000.00	\$1,500,000
38	Permanent Signs	LS	1	\$4,440,000.00	\$4,440,000
39	Traffic Signals	LS	1	\$2,850,000.00	\$2,850,000
40	Highway Lighting	LS	1	\$4,500,000.00	\$4,500,000
41	IT Systems	LS	1	\$1,200,000.00	\$1,200,000
42	Pavement Markings	EA	30	\$150.00	\$4,500
	Subtotal Group F				\$20,489,680
Group G	MAINTENANCE OF TRAFFIC				
43	Temporary Concrete Barrier Rail	LF	20,000	\$11.00	\$220,000
44	Temporary Impact Atenuators	EA	20	\$50,000.00	\$1,000,000
45	Temporary Traffic Stripping	LF	73,920	\$1.00	\$73,920
46	Temporary Pavement Marking	EA	10	\$200.00	\$2,000
47	Temporary Sign Boards	EA	15	\$12,000.00	\$180,000
48	Temporary Signs	LS	1	\$300,000.00	\$300,000
49	Aggregate Base - Detours	TN	45,000	\$15.00	\$675,000
50	Asphalt - Detours	TN	30,000	\$45.00	\$1,350,000
51	Removal Detours	SY	15,000	\$5.00	\$75,000
52	Removal Traffic Stripping	LF	23,920	\$1.00	\$23,920
53	Removal Traffic Markings	EA	10	\$150.00	\$1,500
54	Temporary Bridges	SF	1	\$0.00	\$0
55	Night Traffic Operation	ALLOW	1	\$7,000,000.00	\$7,000,000
56	Temporary Roadway Lighting	ALLOW	1	\$500,000.00	\$500,000
57	Maintain Existing Roadway Lighting	ALLOW	1	\$1,500,000.00	\$1,500,000
	Subtotal Group G				\$12,901,340
Group H	UTILITIES (CONTRACTOR REQUIRED)				
58	Sewer Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
59	Water Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
	Subtotal Group H				\$2,000,000
Group I	OTHER ITEMS				
60	Misc. Concrete, Curb, Gutter, Sidewalks	LF	42,240	\$50.00	\$2,112,000
61	Misc. Concrete, Drainage Ditches	LF	36,960	\$25.00	\$924,000
62	Temporary Water Pollution Control	AC	88	\$50,000.00	\$4,400,000
63	Permanent Water Pollution Control	ALLOW	1	\$2,000,000.00	\$2,000,000
64	Landscaping	AC	22	\$5,000.00	\$110,000
65	Chain Link Fence	LF	63,620	\$12.00	\$763,440
66	Non-Identified Items	LS	1	1.5%	\$9,663,630
	Subtotal Group I				\$19,973,070

	Sub Total Facilities		\$667,505,636
	Preliminary/Final Design	9.5%	\$63,413,035
	Construction Management- Department	6%	\$40,050,338
	Third Party	8%	\$53,400,451
	Sub Total Design/Management		\$156,863,825
	Planning Contingency	15%	\$100,125,845
	Design Contingency	15%	\$100,125,845
	Construction Reserve	5%	\$33,375,282
	Sub Total Contingency/Reserve		\$233,626,972.69
	Program Capital Expenditure (2005 dollars)		\$1,057,996,433

ALTERNATE 2					
Group F	TRAFFIC DELINATION & SAFETY				
31	Metal Beam Guard Rail	LF	76,580	\$13.00	\$995,540
32	Metal Beam Guard Rail Anchors	EA	174	\$500.00	\$87,000
33	Precast Concrete Barrier Rail	LF	10,560	\$25.00	\$264,000
34	Cast In Place Concrete Barrier Rail	LF	31,810	\$50.00	\$1,590,500
35	Impact Atenuators	EA	120	\$20,000.00	\$2,400,000
36	Traffic Stripping	LF	376,080	\$1.75	\$658,140
37	Permanent Overhead Signs	EA	10	\$150,000.00	\$1,500,000
38	Permanent Signs	LS	1	\$4,440,000.00	\$4,440,000
39	Traffic Signals	LS	1	\$2,850,000.00	\$2,850,000
40	Highway Lighting	LS	1	\$4,500,000.00	\$4,500,000
41	IT Systems	LS	1	\$1,200,000.00	\$1,200,000
42	Pavement Markings	EA	30	\$150.00	\$4,500
	Subtotal Group F				\$20,489,680
Group G	MAINTENANCE OF TRAFFIC				
43	Temporary Concrete Barrier Rail	LF	20,000	\$11.00	\$220,000
44	Temporary Impact Atenuators	EA	20	\$50,000.00	\$1,000,000
45	Temporary Traffic Stripping	LF	73,920	\$1.00	\$73,920
46	Temporary Pavement Marking	EA	10	\$200.00	\$2,000
47	Temporary Sign Boards	EA	15	\$12,000.00	\$180,000
48	Temporary Signs	LS	1	\$300,000.00	\$300,000
49	Aggregate Base - Detours	TN	45,000	\$15.00	\$675,000
50	Asphalt - Detours	TN	30,000	\$45.00	\$1,350,000
51	Removal Detours	SY	15,000	\$5.00	\$75,000
52	Removal Traffic Stripping	LF	23,920	\$1.00	\$23,920
53	Removal Traffic Markings	EA	10	\$150.00	\$1,500
54	Temporary Bridges	SF	1	\$0.00	\$0
55	Night Traffic Operation	ALLOW	1	\$7,000,000.00	\$7,000,000
56	Temporary Roadway Lighting	ALLOW	1	\$500,000.00	\$500,000
57	Maintain Existing Roadway Lighting	ALLOW	1	\$1,500,000.00	\$1,500,000
	Subtotal Group G				\$12,901,340
Group H	UTILITIES (CONTRACTOR REQUIRED)				
58	Sewer Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
59	Water Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
	Subtotal Group H				\$2,000,000
Group I	OTHER ITEMS				
60	Misc. Concrete, Curb, Gutter, Sidewalks	LF	42,240	\$50.00	\$2,112,000
61	Misc. Concrete, Drainage Ditches	LF	36,960	\$25.00	\$924,000
62	Temporary Water Pollution Control	AC	88	\$50,000.00	\$4,400,000
63	Permanent Water Pollution Control	ALLOW	1	\$2,000,000.00	\$2,000,000
64	Landscaping	AC	22	\$5,000.00	\$110,000
65	Chain Link Fence	LF	63,620	\$12.00	\$763,440
66	Non-Identified Items	LS	1	1.5%	\$11,024,124
	Subtotal Group I				\$21,333,564

Sub Total Facilities \$745,965,740

Preliminary/Final Design	9.5%	\$70,866,745
Construction Management - Department	6%	\$44,757,944
Third Party	8%	\$59,677,259
Sub Total Design/Management		\$175,301,949
Planning Contingency	15%	\$111,894,861
Design Contingency	15%	\$111,894,861
Construction Reserve	5%	\$37,298,287
Sub Total Contingency/Reserve		\$261,088,009

Program Capital Expenditure (2005 dollars)

\$1,182,355,698

Alternative 4					
Group F	TRAFFIC DELINATION & SAFETY				
31	Metal Beam Guard Rail	LF	76,580	\$13.00	\$995,540
32	Metal Beam Guard Rail Anchors	EA	174	\$500.00	\$87,000
33	Precast Concrete Barrier Rail	LF	10,560	\$25.00	\$264,000
34	Cast In Place Concrete Barrier Rail	LF	31,810	\$50.00	\$1,590,500
35	Impact Atenuators	EA	120	\$20,000.00	\$2,400,000
36	Traffic Stripping	LF	376,080	\$1.75	\$658,140
37	Permanent Overhead Signs	EA	10	\$150,000.00	\$1,500,000
38	Permanent Signs	LS	1	\$4,440,000.00	\$4,440,000
39	Traffic Signals	LS	1	\$2,850,000.00	\$2,850,000
40	Highway Lighting	LS	1	\$4,500,000.00	\$4,500,000
41	IT Systems	LS	1	\$1,200,000.00	\$1,200,000
42	Pavement Markings	EA	30	\$150.00	\$4,500
	Subtotal Group F				\$20,489,680
Group G	MAINTENANCE OF TRAFFIC				
43	Temporary Concrete Barrier Rail	LF	20,000	\$11.00	\$220,000
44	Temporary Impact Atenuators	EA	20	\$50,000.00	\$1,000,000
45	Temporary Traffic Stripping	LF	73,920	\$1.00	\$73,920
46	Temporary Pavement Marking	EA	10	\$200.00	\$2,000
47	Temporary Sign Boards	EA	15	\$12,000.00	\$180,000
48	Temporary Signs	LS	1	\$300,000.00	\$300,000
49	Aggregate Base - Detours	TN	45,000	\$15.00	\$675,000
50	Asphalt - Detours	TN	30,000	\$45.00	\$1,350,000
51	Removal Detours	SY	15,000	\$5.00	\$75,000
52	Removal Traffic Stripping	LF	23,920	\$1.00	\$23,920
53	Removal Traffic Markings	EA	10	\$150.00	\$1,500
54	Temporary Bridges	SF	1	\$0.00	\$0
55	Night Traffic Operation	ALLOW	1	\$7,000,000.00	\$7,000,000
56	Temporary Roadway Lighting	ALLOW	1	\$500,000.00	\$500,000
57	Maintain Existing Roadway Lighting	ALLOW	1	\$1,500,000.00	\$1,500,000
	Subtotal Group G				\$12,901,340
Group H	UTILITIES (CONTRACTOR REQUIRED)				
58	Sewer Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
59	Water Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
	Subtotal Group H				\$2,000,000
Group I	OTHER ITEMS				
60	Misc. Concrete, Curb, Gutter, Sidewalks	LF	42,240	\$50.00	\$2,112,000
61	Misc. Concrete, Drainage Ditches	LF	36,960	\$25.00	\$924,000
62	Temporary Water Pollution Control	AC	83	\$50,000.00	\$4,150,000
63	Permanent Water Pollution Control	ALLOW	1	\$2,000,000.00	\$2,000,000
64	Landscaping	AC	19	\$5,000.00	\$95,000
65	Chain Link Fence	LF	63,620	\$12.00	\$763,440
66	Non-Identified Items	LS	1	1.5%	\$8,178,450
	Subtotal Group I				\$18,222,890

	Sub Total Facilities		\$553,408,255
Preliminary/Final Design	9.5%		\$52,573,784
Construction Management - Department	6%		\$33,204,495
- Third Party	8%		\$44,272,660
Sub Total Design/Management			\$130,050,940
Planning Contingency	15%		\$83,011,238
Design Contingency	15%		\$83,011,238
Construction Reserve	5%		\$27,670,413
Sub Total Contingency/Reserve			\$193,692,889
Program Capital Expenditure (2005 dollars)			\$877,152,085

Alternative 5					
Group F	TRAFFIC DELINATION & SAFETY				
31	Metal Beam Guard Rail	LF	91,896	\$13.00	\$1,194,648
32	Metal Beam Guard Rail Anchors	EA	208	\$500.00	\$104,000
33	Precast Concrete Barrier Rail	LF	12,672	\$25.00	\$316,800
34	Cast In Place Concrete Barrier Rail	LF	38,172	\$50.00	\$1,908,600
35	Impact Atenuators	EA	144	\$20,000.00	\$2,880,000
36	Traffic Stripping	LF	451,296	\$1.75	\$789,768
37	Permanent Overhead Signs	EA	12	\$150,000.00	\$1,800,000
38	Permanent Signs	LS	1	\$5,328,000.00	\$5,328,000
39	Traffic Signals	LS	1	\$3,420,000.00	\$3,420,000
40	Highway Lighting	LS	1	\$5,400,000.00	\$5,400,000
41	IT Systems	LS	1	\$1,200,000.00	\$1,200,000
42	Pavement Markings	EA	36	\$150.00	\$5,400
Subtotal Group F					\$24,347,216
Group G MAINTENANCE OF TRAFFIC					
42	Temporary Concrete Barrier Rail	LF	24,000	\$11.00	\$264,000
44	Temporary Impact Atenuators	EA	24	\$50,000.00	\$1,200,000
45	Temporary Traffic Stripping	LF	88,704	\$1.00	\$88,704
46	Temporary Pavement Marking	EA	12	\$200.00	\$2,400
47	Temporary Sign Boards	EA	18	\$12,000.00	\$216,000
48	Temporary Signs	LS	1	\$360,000.00	\$360,000
49	Aggregate Base - Detours	TN	54,000	\$15.00	\$810,000
50	Asphalt - Detours	TN	36,000	\$45.00	\$1,620,000
51	Removal Detours	SY	18,000	\$5.00	\$90,000
52	Removal Traffic Stripping	LF	28,704	\$1.00	\$28,704
53	Removal Traffic Markings	EA	12	\$150.00	\$1,800
54	Temporary Bridges	SF	1	\$0.00	\$0
55	Night Traffic Operation	ALLOW	1	\$7,000,000.00	\$7,000,000
56	Temporary Roadway Lighting	ALLOW	1	\$500,000.00	\$500,000
57	Maintain Existing Roadway Lighting	ALLOW	1	\$1,800,000.00	\$1,800,000
Subtotal Group G					\$13,981,608
Group H UTILITIES (CONTRACTOR REQUIRED)					
58	Sewer Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
59	Water Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
Subtotal Group H					\$2,000,000
Group I OTHER ITEMS					
60	Misc. Concrete, Curb, Gutter, Sidewalks	LF	42,240	\$50.00	\$2,112,000
61	Misc. Concrete, Drainage Ditches	LF	36,960	\$25.00	\$924,000
62	Temporary Water Pollution Control	AC	92	\$50,000.00	\$4,600,000
63	Permanent Water Pollution Control	ALLOW	1	\$2,000,000.00	\$2,000,000
64	Landscaping	AC	23	\$5,000.00	\$115,000
65	Chain Link Fence	LF	76,344	\$12.00	\$916,128
66	Non-Identified Items	LS	1	1.5%	\$11,052,545
Subtotal Group I					\$21,719,673

Sub Total Facilities \$747,888,922

Preliminary/Final Design	9.5%	\$71,049,448
Construction Management - Department	6%	\$44,873,335
- Third Party	8%	\$59,831,114
Sub Total Design/Management		\$175,753,897
Planning Contingency	15%	\$112,183,338
Design Contingency	15%	\$112,183,338
Construction Reserve	5%	\$37,394,446
Sub Total Contingency/Reserve		\$261,761,123

Program Capital Expenditure (2005 dollars) \$1,185,403,942

Alternative 6					
Group F	TRAFFIC DELINATION & SAFETY				
31	Metal Beam Guard Rail	LF	91,896	\$13.00	\$1,194,648
32	Metal Beam Guard Rail Anchors	EA	208	\$500.00	\$104,000
33	Precast Concrete Barrier Rail	LF	12,672	\$25.00	\$316,800
34	Cast In Place Concrete Barrier Rail	LF	38,172	\$50.00	\$1,908,600
35	Impact Atenuators	EA	144	\$20,000.00	\$2,880,000
36	Traffic Stripping	LF	451,296	\$1.75	\$789,768
37	Permanent Overhead Signs	EA	12	\$150,000.00	\$1,800,000
38	Permanent Signs	LS	1	\$5,328,000.00	\$5,328,000
39	Traffic Signals	LS	1	\$3,420,000.00	\$3,420,000
40	Highway Lighting	LS	1	\$5,400,000.00	\$5,400,000
41	IT Systems	LS	1	\$1,200,000.00	\$1,200,000
42	Pavement Markings	EA	36	\$150.00	\$5,400
	Subtotal Group F				\$24,347,216
Group G	MAINTENANCE OF TRAFFIC				
43	Temporary Concrete Barrier Rail	LF	24,000	\$11.00	\$264,000
44	Temporary Impact Atenuators	EA	24	\$50,000.00	\$1,200,000
45	Temporary Traffic Stripping	LF	88,704	\$1.00	\$88,704
46	Temporary Pavement Marking	EA	12	\$200.00	\$2,400
47	Temporary Sign Boards	EA	18	\$12,000.00	\$216,000
48	Temporary Signs	LS	1	\$360,000.00	\$360,000
49	Aggregate Base - Detours	TN	54,000	\$15.00	\$810,000
50	Asphalt - Detours	TN	36,000	\$45.00	\$1,620,000
51	Removal Detours	SY	18,000	\$5.00	\$90,000
52	Removal Traffic Stripping	LF	28,704	\$1.00	\$28,704
53	Removal Traffic Markings	EA	12	\$150.00	\$1,800
54	Temporary Bridges	SF	1	\$0.00	\$0
55	Night Traffic Operation	ALLOW	1	\$7,000,000.00	\$7,000,000
56	Temporary Roadway Lighting	ALLOW	1	\$500,000.00	\$500,000
57	Maintain Existing Roadway Lighting	ALLOW	1	\$1,800,000.00	\$1,800,000
	Subtotal Group G				\$13,981,608
Group H	UTILITIES (CONTRACTOR REQUIRED)				
58	Sewer Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
59	Water Lines	ALLOW	1	\$1,000,000.00	\$1,000,000
	Subtotal Group H				\$2,000,000
Group I	OTHER ITEMS				
60	Misc. Concrete, Curb, Gutter, Sidewalks	LF	42,240	\$50.00	\$2,112,000
61	Misc. Concrete, Drainage Ditches	LF	36,960	\$25.00	\$924,000
62	Temporary Water Pollution Control	AC	92	\$50,000.00	\$4,600,000
63	Permanent Water Pollution Control	ALLOW	1	\$2,000,000.00	\$2,000,000
64	Landscaping	AC	23	\$5,000.00	\$115,000
65	Chain Link Fence	LF	76,344	\$12.00	\$916,128
66	Non-Identified Items	LS	1	1.5%	\$12,883,116
	Subtotal Group I				\$23,550,244

Sub Total Facilities \$707,037,518

Preliminary/Final Design	9.5%	\$67,168,564
Construction Management - Department	6%	\$42,422,251
- Third Party	8%	\$56,563,001
Sub Total Design/Management		\$166,153,817
Planning Contingency	15%	\$106,055,628
Design Contingency	15%	\$106,055,628
Construction Reserve	5%	\$35,351,876
Sub Total Contingency/Reserve		\$247,463,131

Program Capital Expenditure (2005 dollars) \$1,120,654,466

ROADWORK QUANTITY TAKE-OFF

Project: Ohio River I-75

Date: 11/25/04

Mainline Stations:		Concrete							Asphalt				Base Rock				Sub Base Rock			
Station	Station	Length (Ft)	Width (Ft)	Area (SF)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (CY)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)	Width (Ft)	Area (SF)	Thick (FT)	Volume (Tn)
157.00	165.00	760.00	192.00	145,920.00	168.00	127,680.00	1.00	4,728.89	24.00	18,240.00	0.83	981.24	192.00	145,920.00	0.83	6,728.53	192.00	145,920.00	1.50	12,160.00
165.00	223.00	5,800.00	168.00	974,400.00	144.00	835,200.00	1.00	30,933.33	24.00	139,200.00	0.83	7,488.44	168.00	974,400.00	0.83	44,930.67	168.00	974,400.00	1.50	81,200.00
223.00	225.00	200.00	192.00	38,400.00	168.00	33,600.00	1.00	1,244.44	24.00	4,800.00	0.83	258.22	192.00	38,400.00	0.83	1,770.67	192.00	38,400.00	1.50	3,200.00
241.00	260.00	1,900.00	96.00	182,400.00	72.00	136,800.00	1.00	5,066.67	24.00	45,600.00	0.83	2,453.11	96.00	182,400.00	0.83	8,410.67	96.00	182,400.00	1.50	15,200.00
241.00	258.50	1,750.00	72.00	126,000.00	48.00	84,000.00	1.00	3,111.11	24.00	42,000.00	0.83	2,259.44	72.00	126,000.00	0.83	5,810.00	72.00	126,000.00	1.50	10,500.00
260.00	343.00	8,300.00	72.00	597,600.00	48.00	398,400.00	1.00	14,755.56	24.00	199,200.00	0.83	10,716.22	72.00	597,600.00	0.83	27,556.00	72.00	597,600.00	1.50	49,800.00
258.50	282.50	2,400.00	48.00	115,200.00	36.00	86,400.00	1.00	3,200.00	12.00	28,800.00	0.83	1,549.33	48.00	115,200.00	0.83	5,312.00	48.00	115,200.00	1.50	9,600.00
258.50	266.50	800.00	36.00	28,800.00	24.00	19,200.00	1.00	711.11	12.00	9,600.00	0.83	516.44	36.00	28,800.00	0.83	1,328.00	36.00	28,800.00	1.50	2,400.00
277.00	282.50	550.00	60.00	33,000.00	48.00	26,400.00	1.00	977.78	12.00	6,600.00	0.83	355.06	60.00	33,000.00	0.83	1,521.67	60.00	33,000.00	1.50	2,750.00
282.50	299.00	1,650.00	96.00	158,400.00	84.00	138,600.00	1.00	5,133.33	12.00	19,800.00	0.83	1,065.17	96.00	158,400.00	0.83	7,304.00	96.00	158,400.00	1.50	13,200.00
299.00	345.50	4,650.00	72.00	334,800.00	60.00	279,000.00	1.00	10,333.33	12.00	55,800.00	0.83	3,001.83	72.00	334,800.00	0.83	15,438.00	72.00	334,800.00	1.50	27,900.00
Mainline Totals		28,760.00		2,734,920.00		2,165,280.00		80,195.56		569,640.00		30,644.52		2,734,920.00		126,110.20		2,734,920.00		227,910.00

Ramps:		Concrete							Asphalt				Base Rock				Sub Base Rock			
	Length (Ft)	Width (Ft)	Area (SF)						Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)	Width (Ft)	Area (SF)	Thick (FT)	Volume (Tn)
Ramp A & B KY	2,200.00	24.00	52,800.00				0.00	0.00	24.00	52,800.00	1.33	4,551.56	24.00	52,800.00	0.83	2,434.67	24.00	52,800.00	1.00	2,933.33
Ramp Q	2,200.00	24.00	52,800.00				0.00	0.00	24.00	52,800.00	1.33	4,551.56	24.00	52,800.00	0.83	2,434.67	24.00	52,800.00	1.00	2,933.33
Ramp G	3,200.00	24.00	76,800.00				0.00	0.00	24.00	76,800.00	1.33	6,620.44	24.00	76,800.00	0.83	3,541.33	24.00	76,800.00	1.00	4,266.67
Ramp 4th St. KY	1,200.00	24.00	28,800.00				0.00	0.00	24.00	28,800.00	1.33	2,482.67	24.00	28,800.00	0.83	1,328.00	24.00	28,800.00	1.00	1,600.00
Ramp 5th St. KY	800.00	24.00	19,200.00				0.00	0.00	24.00	19,200.00	1.33	1,655.11	24.00	19,200.00	0.83	885.33	24.00	19,200.00	1.00	1,066.67
Ramp 5th St. KY	600.00	24.00	14,400.00				0.00	0.00	24.00	14,400.00	1.33	1,241.33	24.00	14,400.00	0.83	664.00	24.00	14,400.00	1.00	800.00
Ramp Pike St.	800.00	24.00	19,200.00				0.00	0.00	24.00	19,200.00	1.33	1,655.11	24.00	19,200.00	0.83	885.33	24.00	19,200.00	1.00	1,066.67
Ramp 9th & Wenchel	2,000.00	24.00	48,000.00				0.00	0.00	24.00	48,000.00	1.33	4,137.78	24.00	48,000.00	0.83	2,213.33	24.00	48,000.00	1.00	2,666.67
Ramp Totals	13,000.00		312,000.00							312,000.00		26,895.56		312,000.00		14,386.67		312,000.00		17,333.33

Bridge Approaches:		Embankment							Asphalt				Base Rock							
	Length (Ft)	Width (Ft)	Area (SF)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (CY)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)	Width (Ft)	Area (SF)	Thick (Ft)	Volume (Tn)					
Findlay Street (2 Ea)	144.31	180.00	51,951.60	180.00	25,975.80	35.00	33,672.33	180.00	51,951.60	0.83	2,794.80	180.00	51,951.60	0.83	2,395.55	0.00	0.00	0.00	0.00	
Liberty Street (2 Ea)	144.31	160.00	46,179.20	160.00	23,089.60	35.00	29,930.96	160.00	46,179.20	0.83	2,484.27	160.00	46,179.20	0.83	2,129.37	0.00	0.00	0.00	0.00	
Ezzard Chrls Dr. (4 Ea)	144.31	60.00	17,317.20	60.00	17,317.20	35.00	22,448.22	60.00	34,634.40	0.83	1,863.20	60.00	34,634.40	0.83	1,597.03	0.00	0.00	0.00	0.00	
Freeman Ave Ramp (2 Ea)	144.31	60.00	17,317.20	60.00	8,658.60	35.00	11,224.11	60.00	17,317.20	0.83	931.60	60.00	17,317.20	0.83	798.52	0.00	0.00	0.00	0.00	
Linn Street (2 Ea)	144.31	90.00	25,975.80	90.00	12,987.90	35.00	16,836.17	90.00	25,975.80	0.83	1,397.40	90.00	25,975.80	0.83	1,197.77	0.00	0.00	0.00	0.00	
9th St. Connector + Rmp	144.31	75.00	16,234.88	75.00	16,234.88	35.00	21,045.21	40.00	17,317.20	0.83	931.60	40.00	17,317.20	0.83	798.52	0.00	0.00	0.00	0.00	
7st Street (2 Ea)	144.31	95.00	27,418.90	95.00	13,709.45	35.00	17,771.51	95.00	27,418.90	0.83	1,475.04	95.00	27,418.90	0.83	1,264.32	0.00	0.00	0.00	0.00	
6th Street (3 Ea)	144.31	250.00	54,116.25	250.00	36,077.50	35.00	46,767.13	160.00	69,268.80	0.83	3,726.40	160.00	69,268.80	0.83	3,194.06	0.00	0.00	0.00	0.00	
5th Street Ramp	144.31	140.00	20,203.40	80.00	11,544.80	35.00	14,965.48	140.00	20,203.40	0.83	1,086.87	140.00	20,203.40	0.83	931.60	0.00	0.00	0.00	0.00	
S.B. I-71 Ramp (2 Ea)	144.31	60.00	17,317.20	60.00	8,658.60	35.00	11,224.11	60.00	17,317.20	0.83	931.60	60.00	17,317.20	0.83	798.52	0.00	0.00	0.00	0.00	
Bridge Approaches Totals:			294,031.63		174,254.33		225,885.24		327,583.70		17,622.79		327,583.70		15,105.25					

MISCELLANEOUS QUANTITY TAKE-OFF

Project: Ohio River I-75

Estimator: L.E. McAfee

Date:

11/25/04

Seeding, Fertilizing & Mulching	Length (Ft)	Width (Ft)	Volume (SF)	SF per Acre	Volume (Acre)									
Main Roadway I-75 (2 ea)	18,480.00	20.00	739,200.00	43,560.00	16.97	Note: Main roadway is 3.5 miles with avg 20' high slopes								
Ramps (2 ea)	8,987.00	45.00	808,830.00	43,560.00	18.57	Note: 10 major ramps and 10 major bridge approaches avg. 45' high slopes								
Seeding, Fertilizing & Mulching Total					35.54									

Beam Guardrail:	Length (Ft)	No. of Bridges	No. for Ea	Volume (LF)										
Bridges	100.00	11.00	12.00	13,200.00	Note: 100 LF each end of all bridges & retaining walls									
Fill Slopes	10,560.00	0.00	6.00	63,360.00	Note: Along all fill slope main line									
Beam Guardrail Total:				76,560.00										

Beam Guardrail Anchor:	Length (Ft)	No. of Bridges	No. for Ea	Volume (EA)										
Bridges	0.00	11.00	12.00	132.00	Note: Assume 1 each at end of each run of rail and every 500 ft.									
Main Line	21,120.00	0.00	500.00	42.24	Along all fill slope main line									
Beam Guardrail Anchor Total:				174.24										

Permanent Impact Attenuator	Ea	# of Bridges	Volume (EA)											
Typical	12.00	10.00	120.00	Note: Assume use at ongoing traffic at bridges north & south bound										
Permanent Impact Attenuator Total:			120.00											

Traffic Stripping	Length (Ft)	Quantity	Volume (LF)											
Main Line	18,480.00	16.00	295,680.00	Note: 3.5 miles x 16 stripes										
Ramps	40,200.00		40,200.00	Note: 3 & 4 stripes per ramp										
Misc Connecting Side Streets	40,200.00	20.00	40,200.00	Note: Use same quantity as ramps										
Traffic Stripping Total:			376,080.00											

Precast Concrete Barrier	LF	Volume (LF)												
Typical	38,000.00	0.278	10,560.20	Note: Assume use of 27% quantity of cast in place barrier. Multiple re-use with traffic switch										
Landscaping Total:			10,560.20											

Permanent Signing:	Quantity	Each	Amount	Total										
Main Line	8.00		\$500,000.00	\$4,000,000.00	Note: 4 each at Kentucky and Ohio									
Bridges	10.00	12.00	\$2,000.00	\$240,000.00	Note: 10 bridges, 8 each per bridge									
Ramps & Side Streets	10.00	10.00	\$2,000.00	\$200,000.00	Note: Ramps 10 each, side streets 10 each									
Permanent Signing Total:				\$4,440,000.00										

MISCELLANEOUS QUANTITY TAKE-OFF

Project: Ohio River I-75

Estimator: L.E. McAfee

Date:

11/25/04

Illumination System				
	Quantity	Each	Amount	Total
Bridges	10.00	8.00	\$50,000.00	\$4,000,000.00
Ramps	10.00	1.00	\$50,000.00	\$500,000.00
Illumination System Total:				\$4,500,000.00

Traffic Signal & Controller				
	Quantity	Each	Amount	Total
Signals:				
Bridges	10.00	10.00	\$10,000.00	\$1,000,000.00
Ramps	10.00	2.00	\$10,000.00	\$200,000.00
Controller:				
Bridges	10.00	10.00	\$15,000.00	\$1,500,000.00
Ramps	1.00	10.00	\$15,000.00	\$150,000.00
Traffic Signal & Controller Total:				\$2,850,000.00

Grate & Inlet Basins				
	Length (Ft)	Width (Ft)		Volume (EA)
Grate & Inlet Basins	36,960.00	200.00		184.80
Grate & Inlet Basins Total:				184.80

Culvert Pipe				
	Length (Ft)	Width (Ft)	LF per Location	Volume (LF)
PCC 24"	18,480.00	500.00	200.00	7,392.00
Culvert Pipe Total:				7,392.00

MISCELLANEOUS QUANTITY TAKE-OFF

Project: Ohio River I-75

Estimator: L.E. McAfee Date: 11/25/04

Retaining Walls MSE:					
	Length (LF)	Height (LF)	Ea	# of Bridges	Volume (SF)
Typical	140.00	35.00	4.00	18.00	352,800.00
Retaining Walls MSE Total:					352,800.00

Structure Excavation:					
	Length (Ft)	Height (Ft)	Depth (Ft)	Quantity	Volume (CY)
Typical	194.00	24.00	5.00	34.00	29,315.56
Structure Excavation Total:					29,315.56

Note: Assume 2 abutment footings per bridge with a 2 ft. relief

K-Rail					
	Length (Ft)				Length (Ft)
Typical	31,810.00				31,810.00
K-Rail Total:					31,810.00

Note: Assume 1 LF of k-rail for every LF of roadway including ramps

Right of Way Fencing					
	Length (Ft)				Length (Ft)
Typical	63,620.00				63,620.00
Right of Way Fencing Total:					63,620.00

Note: Assume 2 LF of right of way fencing for every LF of roadway including ramps

Clearing & Grubbing:					
	Length (Ft)	Width (Ft)	Volume (SF)	SF per Acre	Volume (Acre)
Typical	18,810.00	192.00	3,611,520.00	43,560.00	82.91
Clearing & Grubbing Total:					82.91

Note: Assume project length of 3.563 miles with 14 lanes plus shoulders = 192 ft. and not deducting for Ohio River Bridge of which should account for overpasses and surface streets

Remove Structures:					
	Length (Ft)	Width (Ft)	No. of Levels		Volume (SF)
Augusta Ave. Building	180.00	60.00	1.00		10,800.00
Holiday Inn Building	245.00	80.00	5.00		98,000.00
Lexus	180.00	260.00	1.00		46,800.00
Raddison Hotel	220.00	170.00	10.00		374,000.00
Remove Structures Total					529,600.00

Landscaping:					
	# of Areas	Acre			Volume (Acre)
Typical	25.00	0.75			18.75
Landscaping Total:					18.75

Note: Assume all gore and ramp areas

II. Right-of-Way Costs

**Brent Spence Bridge
Constructability/Feasibility
Item No. 6-17.00**

	Parcel ID #	Owner	Property Address	Deed Book	Page	Land Use	Relocation Cost	Land Value	Improve Value	2004 tax Value	Alt 1 Impact	Alt 1 RW-Ease FEE	Alt 2 Impact	Alt 2 RW-Ease FEE	Alt 4 Impact	Alt 4 RW-Ease FEE	Alt 5 Impact	Alt 5 RW-Ease FEE	Alt 6 Impact	Alt 6 RW-Ease FEE	*Alt 4 5LN Impact	*Alt 4 5LN RW-Ease FEE
1	040-34-02-005.00	Gateway Hotel	202-04 Crescent Ave.	1173	347	Hotel		\$1,555,500	\$4,075,000	\$5,630,500	20% Air only	\$1,126,100	20% Air only	\$1,126,100	0%	\$0	0%	\$0	10% Air only	\$563,050	0%	\$0
2	040-34-01-001.00	Willie's of N. Kentucky INC	401-A Crescent Ave.	C 1378	289	Paved Lot		\$104,500	\$50,000	\$154,500	100% no struct	\$154,500	100% no structures	\$154,500	0%	\$0	0%	\$0	100% no Struc	\$154,500	0%	\$0
3	040-34-01-001.02	Willie's of N. Kentucky INC	401 Crescent Ave.	C 1378	289	Restaurant/Bar	\$125,000.00	\$645,500	\$900,000	\$1,545,500	100%	\$1,545,500	100%	\$1,545,500	0%	\$0	0%	\$0	100%	\$1,545,500	0%	\$0
4	040-43-02-002.00	I-75 PKG Liquors & Wines INC	431-529 Crescent Ave.	565	556	Other Retail	\$50,000.00	\$298,000	\$552,000	\$850,000	100%	\$850,000	100%	\$850,000	0%	\$0	0%	\$0	100%	\$850,000	0%	\$0
5	040-43-02-003.00	Kelly L. Wagoner	601-03 Crescent Ave.	C 2273	321	Single Family	\$27,500.00	\$5,000	\$94,200	\$99,200	100%	\$99,200	100%	\$99,200	0%	\$0	0%	\$0	100%	\$99,200	0%	\$0
6	040-43-02-004.00	Connie Roberts	605 Crescent Ave.	C 988	43	Single Family	\$27,500.00	\$5,000	\$40,000	\$45,000	100%	\$45,000	100%	\$45,000	0%	\$0	0%	\$0	100%	\$45,000	0%	\$0
7	040-43-02-005.00	Jack Readnour	607 Crescent Ave.	C 1393	209	Single Family	\$27,500.00	\$6,000	\$0	\$6,000	100%	\$6,000	100%	\$6,000	0%	\$0	0%	\$0	100%	\$6,000	0%	\$0
8	040-43-02-006.00	Kelly S. Mattingly & Micheal Kra	609 Crescent Ave.	C 1449	118	Two Family	\$14,000.00	\$5,000	\$55,000	\$60,000	100%	\$60,000	100%	\$60,000	0%	\$0	0%	\$0	100%	\$60,000	0%	\$0
9	040-43-02-007.00	Mark R. Hanauer	611-13 Crescent Ave.	C 1815	144	Single Family	\$27,500.00	\$20,000	\$39,900	\$59,900	100%	\$59,900	100%	\$59,900	0%	\$0	0%	\$0	100%	\$59,900	0%	\$0
10	040-43-02-008.00	Tony Saberton	615-17 Crescent Ave.	C 1531	264	Single Family	\$27,500.00	\$20,000	\$36,000	\$56,000	100%	\$56,000	100%	\$56,000	0%	\$0	0%	\$0	100%	\$56,000	0%	\$0
11	040-43-02-009.01	Kelly S. Mattingly	619 Crescent Ave.	C 1452	301	Single Family	\$27,500.00	\$5,000	\$25,000	\$30,000	100%	\$30,000	100%	\$30,000	0%	\$0	0%	\$0	100%	\$30,000	0%	\$0
12	040-43-02-009.02	Kelly S. Mattingly	621 Crescent Ave.	C 1425	326	Single Family	\$27,500.00	\$5,000	\$25,000	\$30,000	100%	\$30,000	100%	\$30,000	0%	\$0	0%	\$0	100%	\$30,000	0%	\$0
13	040-43-02-009.03	Michael Kramer	623 Crescent Ave.	C 174	58	Vacant Land		\$5,000	\$0	\$5,000	100%	\$5,000	100%	\$5,000	0%	\$0	0%	\$0	100%	\$5,000	0%	\$0
14	040-43-02-009.4	Joseph W & Norma Cotton	625 Crescent Ave.	913	230	Single Family	\$27,500.00	\$4,000	\$15,000	\$19,000	100%	\$19,000	100%	\$19,000	0%	\$0	0%	\$0	100%	\$19,000	0%	\$0
15	404-43-02-009.05	Axut Building LLC	627-33 Crescent Ave.	C 2237	231	Vacant Land		\$52,000	\$0	\$52,000	100%	\$52,000	100%	\$52,000	0%	\$0	0%	\$0	100%	\$52,000	0%	\$0
16	040-43-03-024.00	Jamie J Wurzelbacher	624 Crescent Ave.	C 2220	119	Vacant Land		\$3,000	\$0	\$3,000	100%	\$3,000	100%	\$3,000	0%	\$0	0%	\$0	100%	\$3,000	0%	\$0
17	040-43-03-023.00	Jamie J Wurzelbacher	628 Crescent Ave.	C 1979	149	Single Family	\$27,500.00	\$4,000	\$5,000	\$9,000	100%	\$9,000	100%	\$9,000	0%	\$0	0%	\$0	100%	\$9,000	0%	\$0
18	040-43-03-022.00	Clement L Bezold jr.	630 Crescent Ave.	C 1196	113	Vacant Land		\$1,000	\$0	\$1,000	100%	\$1,000	100%	\$1,000	0%	\$0	0%	\$0	100%	\$1,000	0%	\$0
19	040-43-03-028.00	I-75 PKG Liquors & Wines INC	502 Crescent Ave.	1017	300	Paved Lot		\$40,000	\$15,000	\$55,000	100%	\$55,000	100%	\$55,000	0%	\$0	0%	\$0	100%	\$55,000	0%	\$0
20	040-34-03-004.00	Corken Steel Products	680 4th St W	462	87	MFG or Assembly		\$456,500	\$143,500	\$600,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
21	040-34-03-001.00	Paul W Edington jr.	677 3rd St W	C 457	301	MFG or Assembly		\$179,000	\$56,000	\$235,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
22	040-43-02-010.00	David Johnson	635 Crescent Ave.	C 1153	237	Single Family		\$4,000	\$6,000	\$10,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
23	040-463-02-011.00	Axut Building LLC	637-39 Crescent Ave.	C 2190	14	Single Family		\$6,000	\$20,000	\$26,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
24	040-43-02-012.00	Robert J & Julie Mann	641 Crescent Ave.	998	250	Single Family		\$4,000	\$45,000	\$49,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
25	040-43-02-013.00	Becker Family LTD PTN	643-723 Crescent Ave.	1112	77	Vacant Land		\$70,000	\$0	\$70,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0	0%	\$0
26	040-44-10-010.01	Stuart W. Epperson *	Philadelphia St.	C 1224	147	Radio Tower	\$10,000.00	\$149,000	\$0	\$149,000	0%	\$0	0%	\$0	10% No Struct.	\$14,900	100% (tower)	\$149,000	100% (tower)	\$149,000	10% No Struct.	\$14,900
27	040-44-10-010.00	City Of Covington	847 Philadelphia St.	794	220	City Owned	\$5,000.00	\$133,500	\$116,500	\$250,000	80%	\$200,000	80%	\$200,000	0%	\$0	50%	\$125,000	80%	\$200,000	0%	\$0
28	040-43-05-003.00	City Of Covington	501 Philadelphia St	573	506	Park/Recreation		\$500,000	\$650,000	\$1,150,000	15%	\$172,500	0%	\$0	10% No Struct	\$115,000	30%	\$345,000	15%	\$172,500	10% No Struct	\$115,000
29	040-44-19-004.00	Robert G & Blanche Marshall	555 Pike St	1149	313	Auto Dealership	\$20,000.00	\$105,000	\$112,000	\$217,000	100%	\$217,000	100%	\$217,000	0%	\$0	100%	\$217,000	100%	\$217,000	0%	\$0
30	040-44-19-013.00	Kenneth A Lewis	Jillian's Way	C 913	235	Other Retail	\$100,000.00	\$1,000,000	\$2,600,000	\$3,600,000	10% air only	\$360,000	10%	\$360,000	0	\$0	50% No sruc.	\$1,440,000	20%	\$720,000	0	\$0
35	040-44-20-007.01	Charles E & Michaelle Thorn	540 Watkins St.	C 1214	236	Single Family	\$27,500.00	\$4,000	\$55,000	\$59,000	50% no struc	\$59,000	50% Air	\$59,000	0%	\$0	50% No sruc.	\$59,000	0%	\$0	0%	\$0
36	040-44-20-005.00	DNS Properties LLC	533-41 12Th St W	C 1226	172	Auto Service	\$30,000.00	\$100,000	\$160,000	\$260,000	10% air only	\$26,000	10% air only	\$26,000	0%	\$0	50% No sruc.	\$130,000	0%	\$0	0%	\$0
37	040-44-19-003.00	MCY Properties LLC	537 Pike St.	C 230	135	Other Retail	\$30,000.00	\$94,000	\$136,000	\$230,000	0%	\$0	0%	\$0	0%	\$0	100%	\$230,000	0%	\$0	0%	\$0
38	040-44-19-005.04	MCY Properties LLC	537-A Pike St.	C 230	135	Vacant lot		\$1,000	\$0	\$1,000	0%	\$0	0%	\$0	0%	\$0	50% No sruc.	\$1,000	0%	\$0	0%	\$0
39	040-44-12-001.00	Robert & Blanche Marshall	550 Pike St.	896	44	Auto Dealership	\$100,000.00	\$472,500	\$1,014,000	\$1,486,500	20% air only	\$297,300	20% air only	\$297,300	0%	\$0	100%	\$1,486,500	0%	\$0	0%	\$0
40	040-44-11-011.00	M & S Investments	928 Willow Run	C 1863	15	Other Retail	\$20,000.00	\$38,000	\$72,000	\$110,000	100%	\$110,000	100%	\$110,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0
41	040-44-11-001.00	Oakland Properties Inc	902-26 Willow Run	C 1247	205	Office Bldg	\$100,000.00	\$135,000	\$453,500	\$588,500	100%	\$588,500	100%	\$588,500	0%	\$0	0%	\$0	0%	\$0	0%	\$0
42	040-43-04-003.00	ACCD Company	626-42 5Th St W	561	582	Hotel	\$400,000.00	\$1,500,000	\$4,447,000	\$5,947,000	0%	\$0	100%	\$5,947,000	100%	\$5,947,000	100%	\$5,947,000	0%	\$0	100%	\$5,947,000
43	040-43-04-002.03	Ashford Hospitality	620 5th St W	C 2000	261	Paved Lot		\$570,000	\$30,000	\$600,000	0%	\$0	100%	\$600,000	0%	\$0	100%	\$600,000	0%	\$0	0%	\$0
44	040-34-05-001.00	City Of Covington	621-53 3rd St W	C 1971	198	Auto Dealership	\$100,000.00	\$2,000,000	\$2,344,000	\$4,344,000	0%	\$0	100%	\$4,344,000	100%	\$4,344,000	100%	\$4,344,000	0%	\$0	60%	\$2,606,400
45	040-34-04-006.00	BRE/ESA Prperties LLC	640-50 3rd St W	C 2192	172	Hotel	\$400,000.00	\$1,525,000	\$3,223,000	\$4,748,000	0%	\$0	100%	\$4,748,000	100%	\$4,748,000	100%	\$4,748,000	0%	\$0	100%	\$4,748,000
46	040-34-01-001.05	Lawrence Callahan	526 Western Ave	C 57	127	Landominium	\$27,500.00	\$30,000	\$145,000	\$175,000	*	*	*	*	*	*	*	*	*	*	*	*
46	040-34-01-001.06	Larry D Jenkins	524 Western Ave	C 1896	312	Landominium	\$27,500.00	\$30,000	\$176,000	\$206,000	*	*	*	*	*	*	*	*	*	*	*	*
46	040-34-01-001.003	Richard Kessler & Kimberly *	522 Western Ave	C 47	88	Landominium	\$27,500.00	\$20,000	\$139,000	\$159,000	*	*	*	*	*	*	*	*	*	*	*	*
46	040-34-01-001.04	Raymond & Deborah Reinhart	520 Western Ave	C 1256	110	Landominium	\$27,500.00	\$30,000	\$145,000	\$175,000	*	*	*	*	*	*	*	*	*	*	*	*
46									\$715,000		100%	\$715,000	100%	\$715,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0
47	040-34-01-001.07	Jason R Merrill	518 Western Ave.	C 1671	110	Single Family	\$27,500.00	\$30,000	\$197,500	\$227,500	*	*	*	*	*	*	*	*	*	*	*	*
47	040-34-01-001.08	Audrey Blair-Gentry	516 Western Ave.	C 2169	118	Single Family	\$27,500.00	\$30,000	\$217,000	\$247,000	*	*	*	*	*	*	*	*	*	*	*	*
47	040-34-01-001.09	Brent Bleh jr.	514 Western Ave.	C 138	172	Landominium	\$27,500.00	\$30,000	\$140,000	\$170,000	*	*	*	*	*	*	*	*	*	*	*	*
47	040-34-01-001.10	Jeffrey & Leslie Hendricks	512 Western Ave.	C 1174	150	Landominium	\$27,500.00	\$170,000	\$30,000	\$200,000	*	*	*	*	*	*	*	*	*	*	*	*
47									\$844,500		100%	\$844,500	100%	\$844,500	0%	\$0	0%	\$0	0%	\$0	0%	\$0
48	040-34-01-001.11	Mary D Sutton	510 Western Ave.	C 1180	183	Landominium	\$27,500.00	\$30,000	\$313,000	\$343,000	*	*	*	*	*	*	*	*	*	*	*	*
48	040-34-01-001.12	Danny R & Neva J Francis	508 Western Ave.	C 2250	307	Landominium	\$27,500.00	\$30,000	\$290,000	\$320,000	*	*	*	*	*	*	*	*	*	*	*	*
									\$663,000		100%	\$663,000	100%	\$663,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0
49	040-34-01-001.01	Lawrence W Grouse	504-06 Western Ave	1062	39	Vacant Land		\$60,000	\$540,000	\$600,000	100%	\$600,000	100%	\$600,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0
50	04-3-43-05-026.00	City of Covington	741 Dalton St	781	286	Swim Club		\$38,500	\$80,000	\$118,500	100%	\$118,500	100%	\$118,500	0%	\$0	0%	\$0	0%	\$0	0%	\$0
							\$2,054,000.00					\$9,177,500		\$24,644,000		\$15,168,900		\$19,821,500		\$5,101,650		\$13,431,300

**Brent Spence Bridge
Constructability/Feasibility
Item No. 6-17.00**

Dollar Values Are 2004 PVA Fair Market Value

Parcel ID #	Owner	Property Address	Land Use	Relocation Cost	Land Value	Improve Value	2004 tax Value	Alt 1 Impact	Alt 1 RW-Ease FEE	Alt 2 Impact	Alt 2 RW-Ease FEE	Alt 4 Impact	Alt 4 RW-Ease FEE	Alt 5 Impact	Alt 5 RW-Ease FEE	Alt 6 Impact	Alt 6 RW-Ease FEE	*Alt 4 5LN Impact	*Alt 4 5LN RW-Ease FEE
100	137-0002-0152-00	City of Cincinnati	857 Mehring Way	\$5,000.00	\$607,200	\$259,700	\$866,900	15% Air space	\$130,035	15% Air space	\$130,035	0%	\$0	0%	\$0	Air only	\$130,035	0%	\$0
101	137-0002-0035-00	Kuhr Family LTD PTNSHP	824 Mehring Way	\$30,000.00	\$8,000	\$78,400	\$86,400	100%	\$108,700	100%	\$108,700	0%	\$0	0%	\$0	100%	\$108,700	0%	\$0
	137-0002-0036-00		768 Front Street		\$4,200		\$4,200	*****		*****		*	*****	*	*****	*	*****	*	*****
	137-0002-0037-00		Front Street		\$4,300		\$4,300	*****		*****		*	*****	*	*****	*	*****	*	*****
	137-0002-0160-00		772 Front Street		\$4,200		\$4,200	*****		*****		*	*****	*	*****	*	*****	*	*****
	137-0002-0032-00		Mehring Way		\$9,600		\$9,600	*****		*****		*	*****	*	*****	*	*****	*	*****
102	137-0002-0039-00	Kuhr Family LTD PTNSHP	237 Gest Street	\$30,000.00	\$56,200	\$69,900	\$126,100	100%	\$126,100	100%	\$126,100	0%	\$0	0%	\$0	100%	\$126,100	0%	\$0
103	137-0002-0001-00	Queensgate South Realty	W. 3rd Street	\$5,000.00	\$250,000	\$23,500	\$273,500	100% Ab.build	\$273,500	100%	\$273,500	0%	\$0	0%	\$0	100%	\$273,500	0%	\$0
104	137-0001-0114-00	City of Cincinnati	W. 3rd Street	Vacant	\$63,600	\$86,700	\$150,300	100% Ab. build	\$150,300	100%	\$150,300	0%	\$0	0%	\$0	100%	\$150,300	0%	\$0
105	147-0007-0040-00	Townview Partners	360 Gest Street		\$690,500	\$2,382,900	\$3,073,400	0%	\$0	0%	\$0	0%	\$0	0%	\$0	20% Air only	\$614,680	0%	\$0
106	137-0001-0040-00	Interstate Brands Corporation	747 W. 5th Street	\$100,000.00	\$266,400	\$554,000	\$820,400	100%	\$1,051,400	100%	\$1,051,400	0%	\$0	0%	\$0	100%	\$1,051,400	0%	\$0
	137-0001-0015-00		805 W. 5th Street		\$231,000		\$231,000	*****		*****		*	*****	*	*****	*	*****	*	*****
107	136-0004-0241-00	Caldwell Realty Company	500 Gest Street		\$837,100	\$1,625,800	\$2,462,900	0%	\$0	0%	\$0	0%	\$0	0%	\$0	30% Air only	\$738,870	0%	\$0
108	147-0007-0258-00	CG&E Company	Gest Street		\$1,063,200	\$2,817,600	\$3,880,800	0%	\$0	0%	\$0	0%	\$0	0%	\$0	25% Air only	\$970,200	0%	\$0
109								*****		*****		*	*****	*	*****	*	*****	*	*****
110	136-0001-0234-00	Premier Office Park LLC	644 Linn Street		\$1,342,400	\$7,076,900	\$8,419,300	10% air onoly	\$841,930	10% air only	\$841,930	0%	\$0	0%	\$0	30% Air only	\$2,525,790	0%	\$0
111	136-0001-0114-00	Goodman Ronald TR	844 W 7th Street	\$100,000.00	\$257,800	\$187,200	\$445,000	100%	\$445,000	100%	\$445,000	0%	\$0	0%	\$0	100%	\$445,000	0%	\$0
112	139-0003-0242-00	Fuller Properties LLC	900 W 8th Street	\$50,000.00	\$1,261,420	\$1,000,000	\$2,261,420	100%	\$2,261,420	100%	\$2,261,420	0%	\$0	100%	\$2,261,420	100%	\$2,261,420	0%	\$0
113	138-0005-0059-00	Provident Bank The	717 Linn Street	\$50,000.00	\$202,300	\$234,700	\$437,000	100%	\$437,000	100%	\$437,000	0%	\$0	0%	\$0	100%	\$437,000	0%	\$0
114							\$0	*****		*****		*	*****	*	*****	*	*****	*	*****
115	137-0002-0065-00	Longworth Hall LLC	Front Street		\$42,800		\$42,800	100%	\$42,800	100%	\$42,800	0%	\$0	0%	\$0	0%	\$0	0%	\$0
116	147-0004-0201-00	Vontz Realty Co	800 W 5th Street	\$30,000.00	\$176,600	\$590,400	\$767,000	100%	\$1,282,800	100%	\$767,000	0%	\$0	0%	\$0	100%	\$1,282,800	0%	\$0
	136-0004-0242-00	West Fifth Lofts LLC	840 W 5th Street		\$127,900	\$192,500	\$320,400	*****		*****		*	*****	*	*****	*	*****	*	*****
	136-0004-0243-00	Hudepohl Square LLC	801 W 6th Street	Vacant	\$109,100	\$86,300	\$195,400	*****		*****		*	*****	*	*****	*	*****	*	*****
117	137-0003-0083-00	Hilltop Concrete Corp	Smith Street		\$336,900		\$336,900	0%	\$0	20% air only	\$67,380	20% air only	\$67,380	20% air only	\$101,780	0%	\$0	20% air only	\$67,380
	137-0003-0079-00	Hilltop Concrete Corp	Mehring Way		\$155,500		\$155,500	*****		*****		*	*****	*	*****	*	*****	*	*****
	137-0003-0091-00	Hilltop Basic Resources	Smith Street		\$16,500		\$16,500	*****		*****		*	*****	*	*****	*	*****	*	*****
118	137-0003-0044-00	Corman Robert	603 W Pete Rose Way	Vacant	\$49,700	\$72,200	\$121,900	0%	\$0	100%	\$156,600	100%	\$156,600	100%	\$156,600	0%	\$0	100%	\$156,600
	137-0003-0028-00	Corman Robert	603 W Pete Rose Way		\$34,700		\$34,700	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
119	147-0006-0068-00	Cincinnati City of	W Pete Rose Way		\$185,300	\$8,500	\$193,800	0%	\$0	100 %Air only	\$763,800	air only	\$763,800	air only	\$763,800	0%	\$0	air only	\$763,800
	117-0006-0070-00		220 W Pete Rose Way		\$145,200		\$145,200	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	82-0001-0036-00		W Pete Rose Way		\$620,300		\$620,300	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	82-0001-0038-00		215 Central Ave		\$909,800		\$909,800	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	82-0001-0040-00		205 Central Ave		\$480,700		\$480,700	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	147-0006-0071-00		205 Central Ave		\$404,300		\$404,300	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	82-0001-0046-00		W Third Street		\$218,500		\$218,500	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	147-0006-0077-00		513 W Third Street		\$82,600		\$82,600	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
120	136-0003-0231-00	Tappan Properties	635 W 7th Street	\$100,000.00	\$784,100	\$3,527,800	\$4,311,900	0%	\$0	0%	\$0	0%	\$0	100%	\$4,311,900	0%	\$0	0%	\$0
121	146-0006-0115-00	Automatic Data Processing	W 7th Street		\$1,521,140		\$1,521,140	0%	\$0	0%	\$0	0%	\$0	15% air space	\$228,171	0%	\$0	0%	\$0
122	134-0006-0105-00	Interstate Brands Corporation	930 Cutter Street		\$429,900	\$449,100	\$879,000	0%	\$0	0%	\$0	0%	\$0	15% air space	\$131,850	0%	\$0	0%	\$0
123	134-0006-0246-90	City of Cincinnati	Linn Street		\$461,000		\$461,000	0%	\$0	0%	\$0	0%	\$0	15% air space	\$69,150	0%	\$0	0%	\$0
124	136-0001-0060-00	8th & Linn Hospitality LLC	800 W 8th Street		\$821,300	\$3,257,700	\$4,079,000	0%	\$0	0%	\$0	0%	\$0	100%	\$4,079,000	0%	\$0	0%	\$0
125	136-0001-0238-00	Provident Bank The	801 Linn Street	\$1,000,000.00	\$717,900	\$3,276,900	\$3,994,800	10% air only	\$399,480	0%	\$0	0%	\$0	100%	\$3,994,800	0%	\$0	0%	\$0
126	134-0006-0245-00	Monnie Terrance R TR	817 W Court Street	\$20,000.00	\$56,800	\$98,400	\$155,200	0%	\$0	0%	\$0	0%	\$0	100%	\$155,200	0%	\$0	0%	\$0
127	185-0004-0035-00	Cincinnati Enquirer Inc	1531 Western Ave	\$150,000.00	\$541,700	\$3,713,100	\$4,254,800	0%	\$0	0%	\$0	0%	\$0	100%	\$4,254,800	0%	\$0	0%	\$0
128	184-0004-0203-00	BMH Holdings LLC	1605 Western Ave	\$50,000.00	\$197,500	\$257,300	\$454,800	0	\$0	0%	\$0	0%	\$0	100%	\$454,800	0	\$0	0%	\$0
129	137-0003-0059-00	Hilltop Concrete Corp	612 Mehring Way	\$75,000.00	\$84,600	\$4,000	\$88,600	0	\$0	Air only	\$88,600	Air only	\$88,600	100%	\$153,400	0%	\$0	Air only	\$88,600
	137-0003-0054-00	Hilltop Basic Resources	Augusta Ave		\$32,400		\$32,400	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
	137-0003-0053-00	Hilltop Concrete Corp	Augusta Ave		\$32,400		\$32,400	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
130	137-0003-0089-00	Central Railroad Co of Indiana			\$900,000		\$900,000	0%	\$0	0%	\$0	Air only	\$450,000	air only	\$450,000	0%	\$0	Air only	\$450,000
	137-0003-0036-00				\$900,000		\$900,000	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
131	137-0003-0037-00	Covington & Cincinnati Elevated Railroad					\$0	0	\$0	0	\$0	Air only	\$0	air only	\$0	0	\$0	Air only	\$0
132	145-0004-0161-00	City of Cincinnati	514 W 3rd Street		\$277,400	\$7,000	\$284,400	0	\$0	0	\$0	0%	\$0	air only	\$0	100% Air only	\$0	0%	\$0
133	147-0007-0229-00	City of Cincinnati	612 W 3rd Street		\$179,200		\$179,200	0	\$0	0	\$0	0%	\$0	0%	\$0	20% Air space	\$0	0%	\$0
134	138-0005-0058-00	Budig Realty LLC	645 Linn Street	\$100,000.00	\$737,800	\$3,075,500	\$3,813,300	100%	\$3,813,300	100%	\$3,813,300	0%	\$0	0%	\$0	0%	\$0	0%	\$0
135	147-0004-0001-00	CCA Properties of America LLC	865 Carlisle Ave		\$104,300	\$18,500	\$122,800	100%	\$122,800	100%	\$122,800	0%	\$0	0%	\$0	0%	\$0	0%	\$0
	136-0004-0149-00		855 W 3rd Street		\$108,600	\$3,523,200	\$3,631,800	*	*****	*	*****	*	*****	*	*****	*	*****	*	*****
136	137-0003-0070-00	CG&E Company	Front Street		\$801,800	\$1,153,500	\$1,955,300	0%	\$0	10% air only	\$195,530	10% air only	\$195,530	65% air only	\$1,270,945	0%	\$0	10% air only	\$195,530
137	138-0005-0031-00	Quincy & Marlowe Enterprises LLC	909 8th Street	\$20,000.00	\$52,300	\$226,700	\$279,000	100%	\$279,000	100%	\$279,000	0%	\$0	0%	\$0	0%	\$0	0%	\$0

\$1,915,000.00

\$11,765,565

\$12,122,195

\$1,721,910

\$22,837,616

\$11,115,795

\$1,721,910