APPENDIX B.2.1
IMPACT ASSESSMENT TABLES FOR STUDY AREA 1

- FEIS SELECTED ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1
- MODIFIED SELECTED ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1
- NO-ACTION ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1

FEIS SELECTED ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1

Receiver		Existing Sound Level (dBA)	FEIS Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
64	Commercial/Industrial	75.2	70.9	-4.3	F (NA)	NA	NA
65	Butchertown HD	62.1	71.5	9.4	67	**Yes**	**Yes**
66	Waterfront Park	67.9	64.3	-3.6	67	No	No
67	Waterfront Park	61.3	68.6	7.3	67	**Yes**	No
68	Butchertown HD	67.7	71.0	3.3	67	**Yes**	No
69	Commercial/Phoenix Hill HD	71.3	69.3	-2.0	67	**Yes**	No
70	Residential	70.0	67.9	-2.1	67	**Yes**	No
71	Medical/Commercial	69.3	65.4	-3.9	67	No	No
72	Hospital	73.5	55.3	-18.2	67	No	No
H27	Butchertown HD/Trail	71.3	74.6	3.3	67	**Yes**	No
H28	Butchertown HD	70.1	74.4	4.3	67	**Yes**	No
H29	Butchertown HD	73.1	77.3	4.2	67	**Yes**	No
H38	Phoenix Hill HD	65.0	67.9	2.9	67	**Yes**	No
H39	Phoenix Hill HD	69.5	71.0	1.5	67	**Yes**	No
H40	West Main Street	69.0	63.7	-5.3	72	No	No
H41	L&N Railroad Office	65.8	65.5	-0.3	72	No	No
H42	Belle of Louisville	70.8	69.9	-0.9	67	**Yes**	No
H75	Butchertown HD	60.6	62.0	1.4	67	No	No
H76	Butchertown HD	70.1	56.0	-14.1	67	No	No
H77	Butchertown HD	71.0	59.0	-12.0	67	No	No
H78	Butchertown HD	66.4	60.5	-5.9	67	No	No
H79	Residential	63.2	66.8	3.6	67	**Yes**	No
H80	Louisville Medical	69.6	69.8	0.2	67	**Yes**	No
H81	Ahrens Trade School	71.3	67.0	-4.3	67	**Yes**	No
H89	Butchertown HD	56.2	64.0	7.8	67	No	**Yes**

Receiver		Existing Sound Level (dBA)	FEIS Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
1a	Peace Green Park	68.7	63.6	-5.1	67	No	No
1b	YMCA	NA	57.5	NA	67	No	NA
1c	Jefferson Tech College	NA	74.3	NA	67	**Yes**	NA
2a	William Booth Park	NA	66.9	NA	67	**Yes**	NA
2b	Phoenix Hill HD	NA	66.1	NA	67	**Yes**	NA
2c	Louisville Slugger Field	NA	68.1	NA	67	**Yes**	NA
2d	Louisville Slugger Field	NA	66.4	NA	67	**Yes**	NA
3a	Residential	68.7	69.4	0.7	67	**Yes**	No
3b	Waterfront Park	NA	69.6	NA	67	**Yes**	NA
4a	Waterfront Park	66.2	70.6	4.4	67	**Yes**	No
4b	Trail	NA	69.2	NA	67	**Yes**	NA
5a	Waterfront Park	NA	68.8	NA	67	**Yes**	NA
5b	Trail	NA	67.5	NA	67	**Yes**	NA
5c	Waterfront Park	NA	61.6	NA	67	No	NA
8a	Butchertown HD	NA	70.0	NA	67	**Yes**	NA
8b	Butchertown HD	NA	71.2	NA	67	**Yes**	NA
8c	Butchertown HD	NA	74.5	NA	67	**Yes**	NA
9a	Clifton Park	66.1	69.7	3.6	67	**Yes**	No
9b	Residential	NA	62.4	NA	67	No	NA
9c	Residential	NA	55.5	NA	67	No	NA
9d	Residential	NA	71.4	NA	67	**Yes**	NA
9e	Residential	NA	62.2	NA	67	No	NA
9f	Residential	NA	58.1	NA	67	No	NA
9g	Residential	NA	62.1	NA	67	No	NA
9h	Residential	NA	73.0	NA	67	**Yes**	NA
9i	Residential	NA	59.3	NA	67	No	NA

Receiver		Existing Sound Level (dBA)	FEIS Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
10a	Residential/Commercial	66.3	69.4	3.1	67	**Yes**	No
10b	Residential/Trail	NA	73.7	NA	67	**Yes**	NA
10c	Residential/Commercial	NA	63.6	NA	67	No	NA
10d	Residential/Commercial	NA	57.6	NA	67	No	NA
10e	Residential/Commercial	NA	69.5	NA	67	**Yes**	NA
10f	Residential/Commercial	NA	60.2	NA	67	No	NA
11a	Story Avenue Park	65.7	68.8	3.1	67	**Yes**	No
11b	Butchertown HD/Trail	NA	70.8	NA	67	**Yes**	NA
11c	Butchertown HD	NA	68.4	NA	67	**Yes**	NA
11d	Butchertown HD	NA	65.4	NA	67	No	NA
11e	Butchertown HD	NA	60.5	NA	67	No	NA
11f	Butchertown HD	NA	70.1	NA	67	**Yes**	NA
11g	Butchertown HD	NA	67.4	NA	67	**Yes**	NA
11h	Butchertown HD	NA	64.4	NA	67	No	NA
12a	Butchertown HD	NA	59.1	NA	67	No	NA
13a	Commercial	63.6	66.1	2.5	72	No	No
13b	Residential	NA	52.1	NA	67	No	NA
13c	Residential/Church	NA	64.8	NA	67	No	NA
13d	Residential	NA	64.9	NA	67	No	NA
13e	Phoenix Hill HD /Church	NA	66.0	NA	67	**Yes**	NA
13f	Phoenix Hill HD	NA	61.6	NA	67	No	NA
13g	Phoenix Hill HD	NA	66.5	NA	67	**Yes**	NA
13h	Butchertown HD	NA	64.5	NA	67	No	NA
13i	Extreme Sports Park	NA	70.0	NA	67	**Yes**	NA
14a	Hospital	NA	70.8	NA	67	**Yes**	NA

MODIFIED SELECTED ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1

Receiver		Existing Sound Level (dBA)	Modified Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
64	Commercial/Industrial	75.2	68.1	-7.1	F (NA)	NA	NA
65	Butchertown HD	62.1	69.2	7.1	67	**Yes**	**Yes**
66	Waterfront Park	67.9	66.3	-1.6	67	**Yes**	No
67	Waterfront Park	61.3	68.8	7.5	67	**Yes**	No
68	Butchertown HD	67.7	71.0	3.3	67	**Yes**	No
69	Commercial/Phoenix Hill HD	71.3	70.8	-0.5	67	**Yes**	No
70	Residential	70.0	67.7	-2.3	67	**Yes**	No
71	Medical/Commercial	69.3	66.9	-2.4	67	**Yes**	No
72	Hospital	73.5	55.5	-18.0	67	No	No
H27	Butchertown HD/Trail	71.3	72.1	0.8	67	**Yes**	No
H28	Butchertown HD	70.1	73.5	3.4	67	**Yes**	No
H29	Butchertown HD	73.1	74.8	1.7	67	**Yes**	No
H38	Phoenix Hill HD	65.0	64.9	-0.1	67	No	No
H39	Phoenix Hill HD	69.5	71.5	2.0	67	**Yes**	No
H40	West Main Street	69.0	63.3	-5.7	72	No	No
H41	L&N Railroad Office	65.8	63.6	-2.2	72	No	No
H42	Belle of Louisville	70.8	70.0	-0.8	67	**Yes**	No
H75	Butchertown HD	60.6	59.5	-1.1	67	No	No
H76	Butchertown HD	70.1	53.9	-16.2	67	No	No
H77	Butchertown HD	71.0	56.5	-14.5	67	No	No
H78	Butchertown HD	66.4	58.2	-8.2	67	No	No
H79	Residential	63.2	64.4	1.2	67	No	No
H80	Louisville Medical	69.6	66.9	-2.7	67	**Yes**	No
H81	Ahrens Trade School	71.3	64.2	-7.1	67	No	No
H89	Butchertown HD	56.2	59.9	3.7	67	No	No

Receiver		Existing Sound Level (dBA)	Modified Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
1a	Peace Green Park	68.7	61.3	-7.4	67	No	No
1b	YMCA	NA	56.0	NA	67	No	NA
1c	Jefferson Tech College	NA	73.3	NA	67	**Yes**	NA
2a	William Booth Park	NA	66.3	NA	67	**Yes**	NA
2b	Phoenix Hill HD	NA	66.0	NA	67	**Yes**	NA
2c	Louisville Slugger Field	NA	66.1	NA	67	**Yes**	NA
2d	Louisville Slugger Field	NA	65.2	NA	67	No	NA
3a	Residential	68.7	67.7	-1.0	67	**Yes**	No
3b	Waterfront Park	NA	68.8	NA	67	**Yes**	NA
4a	Waterfront Park	66.2	70.6	4.4	67	**Yes**	No
4b	Trail	NA	68.4	NA	67	**Yes**	NA
5a	Waterfront Park	NA	69.3	NA	67	**Yes**	NA
5b	Trail	NA	69.4	NA	67	**Yes**	NA
5c	Waterfront Park	NA	64.2	NA	67	No	NA
8a	Butchertown HD	NA	66.8	NA	67	**Yes**	NA
8b	Butchertown HD	NA	66.9	NA	67	**Yes**	NA
8c	Butchertown HD	NA	72.1	NA	67	**Yes**	NA
9a	Clifton Park	66.1	68.7	2.6	67	**Yes**	No
9b	Residential	NA	62.5	NA	67	No	NA
9c	Residential	NA	55.5	NA	67	No	NA
9d	Residential	NA	70.1	NA	67	**Yes**	NA
9e	Residential	NA	61.5	NA	67	No	NA
9f	Residential	NA	57.5	NA	67	No	NA
9g	Residential	NA	60.3	NA	67	No	NA
9h	Residential	NA	69.8	NA	67	**Yes**	NA
9i	Residential	NA	57.2	NA	67	No	NA

Receiver		Existing Sound Level (dBA)	Modified Selected Alternative (2030) (dBA)	Difference Between Existing and 2030 Build (dBA)	Applicable Noise Abatement Criteria Level	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
10a	Residential/Commercial	66.3	68.8	2.5	67	**Yes**	No
10b	Residential/Trail	NA	71.4	NA	67	**Yes**	NA
10c	Residential/Commercial	NA	61.6	NA	67	No	NA
10d	Residential/Commercial	NA	56.1	NA	67	No	NA
10e	Residential/Commercial	NA	67.0	NA	67	**Yes**	NA
10f	Residential/Commercial	NA	58.4	NA	67	No	NA
11a	Story Avenue Park	65.7	67.3	1.6	67	**Yes**	No
11b	Butchertown HD/Trail	NA	66.2	NA	67	**Yes**	NA
11c	Butchertown HD	NA	65.0	NA	67	No	NA
11d	Butchertown HD	NA	61.3	NA	67	No	NA
11e	Butchertown HD	NA	57.3	NA	67	No	NA
11f	Butchertown HD	NA	71.9	NA	67	**Yes**	NA
11g	Butchertown HD	NA	67.2	NA	67	**Yes**	NA
11h	Butchertown HD	NA	62.3	NA	67	No	NA
12a	Butchertown HD	NA	53.8	NA	67	No	NA
13a	Commercial	63.6	64.4	0.8	72	No	No
13b	Residential	NA	53.7	NA	67	No	NA
13c	Residential/Church	NA	66.2	NA	67	**Yes**	NA
13d	Residential	NA	62.7	NA	67	No	NA
13e	Phoenix Hill HD /Church	NA	64.5	NA	67	No	NA
13f	Phoenix Hill HD	NA	60.6	NA	67	No	NA
13g	Phoenix Hill HD	NA	60.2	NA	67	No	NA
13h	Butchertown HD	NA	60.4	NA	67	No	NA
13i	Extreme Sports Park	NA	69.5	NA	67	**Yes**	NA
14a	Hospital	NA	70.7	NA	67	**Yes**	NA

NO-ACTION ALTERNATIVE IMPACT ASSESSMENT FOR STUDY AREA 1

Receiver		Existing Sound Level (dBA)	2030 No Action Alternative (2030) (dBA)	Difference Between Existing and 2030 No Action (dBA)	Applicable Noise Abatement Criteria Levels	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
64	Commercial/Industrial	75.2	67.5	-7.7	F (NA)	NA	NA
65	Butchertown HD	62.1	67.9	5.8	67	**Yes**	**Yes**
66	Waterfront Park	67.9	65.1	-2.8	67	No	No
67	Waterfront Park	61.3	68.9	7.6	67	**Yes**	No
68	Butchertown HD	67.7	68.2	0.5	67	**Yes**	No
69	Commercial/Phoenix Hill HD	71.3	68.6	-2.7	67	**Yes**	No
70	Residential	70.0	67.8	-2.2	67	**Yes**	No
71	Medical/Commercial	69.3	68.7	-0.6	67	**Yes**	No
72	Hospital	73.5	55.4	-18.1	67	No	No
H27	Butchertown HD/Trail	71.3	72.5	1.2	67	**Yes**	No
H28	Butchertown HD	70.1	72.6	2.5	67	**Yes**	No
H29	Butchertown HD	73.1	75.1	2.0	67	**Yes**	No
H38	Phoenix Hill HD	65.0	67.4	2.4	67	**Yes**	No
H39	Phoenix Hill HD	69.5	69.9	0.4	67	**Yes**	No
H40	West Main Street	69.0	66.9	-2.1	72	No	No
H41	L&N Railroad Office	65.8	64.7	-1.1	72	No	No
H42	Belle of Louisville	70.8	69.8	-1.0	67	**Yes**	No
H75	Butchertown HD	60.6	59.0	-1.6	67	No	No
H76	Butchertown HD	70.1	52.9	-17.2	67	No	No
H77	Butchertown HD	71.0	55.0	-16.0	67	No	No
H78	Butchertown HD	66.4	57.1	-9.3	67	No	No
H79	Residential	63.2	67.2	4.0	67	**Yes**	No
H80	Louisville Medical	69.6	67.2	-2.4	67	**Yes**	No
H81	Ahrens Trade School	71.3	64.9	-6.4	67	No	No
H89	Butchertown HD	56.2	57.2	1.0	67	No	No

Receiver		Existing Sound Level (dBA)	2030 No Action Alternative (2030) (dBA)	Difference Between Existing and 2030 No Action (dBA)	Applicable Noise Abatement Criteria Levels	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
1a	Peace Green Park	68.7	66.2	-2.5	67	**Yes**	No
1b	YMCA	NA	57.2	NA	67	No	NA
1c	Jefferson Tech College	NA	74.5	NA	67	**Yes**	NA
2a	William Booth Park	NA	66.6	NA	67	**Yes**	NA
2b	Phoenix Hill HD	NA	65.3	NA	67	No	NA
2c	Louisville Slugger Field	NA	66.2	NA	67	**Yes**	NA
2d	Louisville Slugger Field	NA	64.7	NA	67	No	NA
3a	Residential	68.7	68.1	-0.6	67	**Yes**	No
3b	Waterfront Park	NA	68.9	NA	67	**Yes**	NA
4a	Waterfront Park	66.2	70.8	4.6	67	**Yes**	No
4b	Trail	NA	69.0	NA	67	**Yes**	NA
5a	Waterfront Park	NA	67.1	NA	67	**Yes**	NA
5b	Trail	NA	68.9	NA	67	**Yes**	NA
5c	Waterfront Park	NA	62.7	NA	67	No	NA
8a	Butchertown HD	NA	66.4	NA	67	**Yes**	NA
8b	Butchertown HD	NA	67.1	NA	67	**Yes**	NA
8c	Butchertown HD	NA	72.6	NA	67	**Yes**	NA
9a	Clifton Park	66.1	68.4	2.3	67	**Yes**	No
9b	Residential	NA	61.3	NA	67	No	NA
9c	Residential	NA	56.6	NA	67	No	NA
9d	Residential	NA	69.6	NA	67	**Yes**	NA
9e	Residential	NA	61.3	NA	67	No	NA
9f	Residential	NA	57.4	NA	67	No	NA
9g	Residential	NA	61.2	NA	67	No	NA
9h	Residential	NA	70.5	NA	67	**Yes**	NA
9i	Residential	NA	57.6	NA	67	No	NA

Receiver		Existing Sound Level (dBA)	2030 No Action Alternative (2030) (dBA)	Difference Between Existing and 2030 No Action (dBA)	Applicable Noise Abatement Criteria Levels	Noise Impact/Type	
						Approach or Exceed NAC?	Substantial Increase Over Existing?
10a	Residential/Commercial	66.3	67.7	1.4	67	**Yes**	No
10b	Residential/Trail	NA	71.0	NA	67	**Yes**	NA
10c	Residential/Commercial	NA	61.8	NA	67	No	NA
10d	Residential/Commercial	NA	56.6	NA	67	No	NA
10e	Residential/Commercial	NA	67.7	NA	67	**Yes**	NA
10f	Residential/Commercial	NA	59.3	NA	67	No	NA
11a	Story Avenue Park	65.7	66.9	1.2	67	**Yes**	No
11b	Butchertown HD/Trail	NA	66.4	NA	67	**Yes**	NA
11c	Butchertown HD	NA	65.1	NA	67	No	NA
11d	Butchertown HD	NA	60.2	NA	67	No	NA
11e	Butchertown HD	NA	56.8	NA	67	No	NA
11f	Butchertown HD	NA	70.5	NA	67	**Yes**	NA
11g	Butchertown HD	NA	66.4	NA	67	**Yes**	NA
11h	Butchertown HD	NA	61.6	NA	67	No	NA
12a	Butchertown HD	NA	54.1	NA	67	No	NA
13a	Commercial	63.6	66.8	3.2	72	No	No
13b	Residential	NA	55.2	NA	67	No	NA
13c	Residential/Church	NA	62.8	NA	67	No	NA
13d	Residential	NA	63.0	NA	67	No	NA
13e	Phoenix Hill HD /Church	NA	65.6	NA	67	No	NA
13f	Phoenix Hill HD	NA	61.1	NA	67	No	NA
13g	Phoenix Hill HD	NA	60.2	NA	67	No	NA
13h	Butchertown HD	NA	58.7	NA	67	No	NA
13i	Extreme Sports Park	NA	65.9	NA	67	No	NA
14a	Hospital	NA	69.7	NA	67	**Yes**	NA