Appendix F – Comparative Analysis of Criteria on the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

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Table F-1. Analysis of Engineering Criteria Along the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

ROUTE	ENGINEERING									
	Length of Route (Miles)	Constructibility (Miles)	Interstate Crossings	State Road Crossings	Major Road Crossings	U.S. Highway Crossings	Other Crossings (Roads/Streets)	Pipeline Crossing	Transmission Line Crossings	Railroad Crossings
Route 1	9.68	7.54	0.00	0.00	0.00	0.00	10.00	2.00	2.00	1.00
Route 2	9.91	8.10	0.00	0.00	0.00	0.00	10.00	2.00	2.00	1.00
Route 3	9.75	9.42	0.00	0.00	0.00	0.00	10.00	2.00	2.00	1.00
Route 4	9.60	9.60	0.00	0.00	0.00	0.00	10.00	2.00	2.00	1.00
Route 5	9.12	6.98	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 6	9.35	7.54	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 7	9.19	8.86	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 8	9.04	9.04	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 9	9.91	9.58	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 10	9.76	9.76	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 11	9.98	9.65	0.00	0.00	0.00	0.00	13.00	2.00	0.00	1.00
Route 12	9.82	9.82	0.00	0.00	0.00	0.00	13.00	2.00	0.00	1.00
Route 13	9.19	7.05	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 14	9.42	7.61	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 15	9.26	8.93	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 16	9.11	9.11	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 17	10.30	9.97	0.00	0.00	0.00	0.00	12.00	2.00	0.00	1.00
Route 18	10.14	10.14	0.00	0.00	0.00	0.00	12.00	2.00	0.00	1.00
Route 19	10.59	10.26	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 20	10.44	10.44	0.00	0.00	0.00	0.00	9.00	2.00	0.00	1.00
Route 21	10.36	10.03	0.00	0.00	0.00	0.00	14.00	2.00	0.00	1.00
Route 22	10.21	10.21	0.00	0.00	0.00	0.00	14.00	2.00	0.00	1.00
Route 23	10.66	10.33	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
Route 24	10.51	10.51	0.00	0.00	0.00	0.00	11.00	2.00	0.00	1.00
St. Dev.	0.51	1.10	0.00	0.00	0.00	0.00	1.52	0.00	0.75	0.00
AVG-STD	9.30	8.09	0.00	0.00	0.00	0.00	9.31	2.00	-0.41	1.00
AVG+STD	10.31	10.29	0.00	0.00	0.00	0.00	12.35	2.00	1.08	1.00
Average	9.80	9.19	0.00	0.00	0.00	0.00	10.83	2.00	0.33	1.00

St. Dev. = Standard Deviation
AVG-STD = Average minus Standard Deviation
AVG+STD = Average plus Standard Deviation

ROUTE	ENGINEERING									
	Length of Route (Miles)	Constructibility (Miles)	Interstate Crossings	State Road Crossings	Major Road Crossings	U.S. Highway Crossings	Other Crossings (Roads/Streets)	Pipeline Crossing	Transmission Line Crossings	Railroad Crossings
Calculation of Impact Score										
Route 1	2	1	1	1	1	1	2	1	4	1
Route 2	3	2	1	1	1	1	2	1	4	1
Route 3	2	3	1	1	1	1	2	1	4	1
Route 4	2	3	1	1	1	1	2	1	4	1
Route 5	1	1	1	1	1	1	1	1	2	1
Route 6	2	1	1	1	1	1	1	1	2	1
Route 7	1	2	1	1	1	1	1	1	2	1
Route 8	1	2	1	1	1	1	1	1	2	1
Route 9	3	3	1	1	1	1	3	1	2	1
Route 10	2	3	1	1	1	1	3	1	2	1
Route 11	3	3	1	1	1	1	4	1	2	1
Route 12	3	3	1	1	1	1	4	1	2	1
Route 13	1	1	1	1	1	1	3	1	2	1
Route 14	2	1	1	1	1	1	3	1	2	1
Route 15	1	2	1	1	1	1	3	1	2	1
Route 16	1	2	1	1	1	1	3	1	2	1
Route 17	3	3	1	1	1	1	3	1	2	1
Route 18	3	3	1	1	1	1	3	1	2	1
Route 19	4	3	1	1	1	1	1	1	2	1
Route 20	4	4	1	1	1	1	1	1	2	1
Route 21	4	3	1	1	1	1	4	1	2	1
Route 22	3	3	1	1	1	1	4	1	2	1
Route 23	4	4	1	1	1	1	3	1	2	1
Route 24	4	4	1	1	1	1	3	1	2	1

ROUTE	ENGINEERING									
	Length of Route (Miles)	Constructibility (Miles)	Interstate Crossings	State Road Crossings	Major Road Crossings	U.S. Highway Crossings	Other Crossings (Roads/Streets)	Pipeline Crossing	Transmission Line Crossings	Railroad Crossings
WEIGHT	**2**	**2**	**3**	**2**	**2**	**2**	**1**	**3**	**2**	**1**
Route 1	4	2	3	2	2	2	2	3	8	1
Route 2	6	4	3	2	2	2	2	3	8	1
Route 3	4	6	3	2	2	2	2	3	8	1
Route 4	4	6	3	2	2	2	2	3	8	1
Route 5	2	2	3	2	2	2	1	3	4	1
Route 6	4	2	3	2	2	2	1	3	4	1
Route 7	2	4	3	2	2	2	1	3	4	1
Route 8	2	4	3	2	2	2	1	3	4	1
Route 9	6	6	3	2	2	2	3	3	4	1
Route 10	4	6	3	2	2	2	3	3	4	1
Route 11	6	6	3	2	2	2	4	3	4	1
Route 12	6	6	3	2	2	2	4	3	4	1
Route 13	2	2	3	2	2	2	3	3	4	1
Route 14	4	2	3	2	2	2	3	3	4	1
Route 15	2	4	3	2	2	2	3	3	4	1
Route 16	2	4	3	2	2	2	3	3	4	1
Route 17	6	6	3	2	2	2	3	3	4	1
Route 18	6	6	3	2	2	2	3	3	4	1
Route 19	8	6	3	2	2	2	1	3	4	1
Route 20	8	8	3	2	2	2	1	3	4	1
Route 21	8	6	3	2	2	2	4	3	4	1
Route 22	6	6	3	2	2	2	4	3	4	1
Route 23	8	8	3	2	2	2	3	3	4	1
Route 24	8	8	3	2	2	2	3	3	4	1

Table F-2. Analysis of Environmental Criteria Along the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

ROUTE	ENVIRONMENTAL								
	Right-of-Way (100 foot) (Acres)	Forestland (Acres)	Open Water Crossing (Acres)	Floodplain Crossing - (Acres)	Minor Stream Crossing	River Canal Crossing	Wetland (Acres)	Threatened and Endangered Species Location Within 300 Feet	Threatened and Endangered Species Habitat
Route 1	117.32	20.55	0.86	49.87	18.00	1.00	29.77	0.00	0.00
Route 2	120.07	23.76	0.86	49.87	18.00	1.00	29.77	0.00	0.00
Route 3	118.19	22.31	0.39	48.14	19.00	1.00	31.04	0.00	0.00
Route 4	116.36	21.03	0.39	48.14	19.00	1.00	31.04	0.00	0.00
Route 5	110.55	30.07	1.17	31.14	13.00	1.00	8.30	0.00	0.00
Route 6	113.30	33.29	1.17	31.14	13.00	1.00	8.30	0.00	0.00
Route 7	111.43	31.84	0.71	29.41	14.00	1.00	9.56	0.00	0.00
Route 8	109.59	30.55	0.71	29.41	14.00	1.00	9.56	0.00	0.00
Route 9	120.10	38.78	0.00	35.66	11.00	1.00	13.74	0.00	0.00
Route 10	118.25	37.49	0.00	35.66	11.00	1.00	13.74	0.00	0.00
Route 11	120.78	40.44	0.00	35.60	11.00	1.00	13.74	0.00	0.00
Route 12	118.93	39.15	0.00	35.60	11.00	1.00	13.74	0.00	0.00
Route 13	111.23	31.73	1.17	31.08	13.00	1.00	8.30	0.00	0.00
Route 14	113.98	34.94	1.17	31.08	13.00	1.00	8.30	0.00	0.00
Route 15	112.10	33.49	0.71	29.35	14.00	1.00	9.57	0.00	0.00
Route 16	110.26	32.20	0.71	29.35	14.00	1.00	9.57	0.00	0.00
Route 17	124.79	55.44	0.00	36.92	12.00	1.00	11.96	0.00	0.00
Route 18	122.94	54.15	0.00	36.92	12.00	1.00	11.96	0.00	0.00
Route 19	128.37	52.98	0.00	34.03	14.00	1.00	19.04	0.00	0.00
Route 20	126.52	51.69	0.00	34.03	14.00	1.00	19.04	0.00	0.00
Route 21	125.46	57.09	0.00	36.86	12.00	1.00	11.96	0.00	0.00
Route 22	123.61	55.80	0.00	36.86	12.00	1.00	11.96	0.00	0.00
Route 23	129.05	54.64	0.00	33.97	14.00	1.00	11.96	0.00	0.00
Route 24	127.20	53.34	0.00	33.97	14.00	1.00	11.96	0.00	0.00
St. Dev.	6.12	12.03	0.46	6.36	2.38	0.00	7.48	0.00	0.00
AVG-STD	112.64	27.00	-0.04	29.64	11.37	1.00	7.43	0.00	0.00
AVG+STD	124.89	51.07	0.88	42.36	16.13	1.00	22.39	0.00	0.00
Average	118.77	39.03	0.42	36.00	13.75	1.00	14.91	0.00	0.00

St. Dev. = Standard Deviation
AVG-STD = Average minus Standard Deviation
AVG+STD = Average plus Standard Deviation

ROUTE	ENVIRONMENTAL								
	Right-of-Way (100 foot) (Acres)	Forestland (Acres)	Open Water Crossing (Acres)	Floodplain Crossing - (Acres)	Minor Stream Crossing	River Canal Crossing	Wetland (Acres)	Threatened and Endangered Species Location Within 300 Feet	Threatened and Endangered Species Habitat
Calculation of Impact Score									
Route 1	2	1	3	4	4	1	4	1	1
Route 2	3	1	3	4	4	1	4	1	1
Route 3	2	1	2	4	4	1	4	1	1
Route 4	2	1	2	4	4	1	4	1	1
Route 5	1	2	4	2	2	1	2	1	1
Route 6	2	2	4	2	2	1	2	1	1
Route 7	1	2	3	1	3	1	2	1	1
Route 8	1	2	3	1	3	1	2	1	1
Route 9	3	2	2	2	1	1	2	1	1
Route 10	2	2	2	2	1	1	2	1	1
Route 11	3	3	2	2	1	1	2	1	1
Route 12	3	3	2	2	1	1	2	1	1
Route 13	1	2	4	2	2	1	2	1	1
Route 14	2	2	4	2	2	1	2	1	1
Route 15	1	2	3	1	3	1	2	1	1
Route 16	1	2	3	1	3	1	2	1	1
Route 17	3	4	2	3	2	1	2	1	1
Route 18	3	4	2	3	2	1	2	1	1
Route 19	4	4	2	2	3	1	3	1	1
Route 20	4	4	2	2	3	1	3	1	1
Route 21	4	4	2	3	2	1	2	1	1
Route 22	3	4	2	3	2	1	2	1	1
Route 23	4	4	2	2	3	1	2	1	1
Route 24	4	4	2	2	3	1	2	1	1

ROUTE	ENVIRONMENTAL								
	Right-of-Way (100 foot) (Acres)	Forestland (Acres)	Open Water Crossing (Acres)	Floodplain Crossing - (Acres)	Minor Stream Crossing	River Canal Crossing	Wetland (Acres)	Threatened and Endangered Species Location Within 300 Feet	Threatened and Endangered Species Habitat
WEIGHT	**2**	**3**	**3**	**2**	**3**	**3**	**6**	**5**	**6**
Route 1	4	3	9	8	12	3	24	5	6
Route 2	6	3	9	8	12	3	24	5	6
Route 3	4	3	6	8	12	3	24	5	6
Route 4	4	3	6	8	12	3	24	5	6
Route 5	2	6	12	4	6	3	12	5	6
Route 6	4	6	12	4	6	3	12	5	6
Route 7	2	6	9	2	9	3	12	5	6
Route 8	2	6	9	2	9	3	12	5	6
Route 9	6	6	6	4	3	3	12	5	6
Route 10	4	6	6	4	3	3	12	5	6
Route 11	6	9	6	4	3	3	12	5	6
Route 12	6	9	6	4	3	3	12	5	6
Route 13	2	6	12	4	6	3	12	5	6
Route 14	4	6	12	4	6	3	12	5	6
Route 15	2	6	9	2	9	3	12	5	6
Route 16	2	6	9	2	9	3	12	5	6
Route 17	6	12	6	6	6	3	12	5	6
Route 18	6	12	6	6	6	3	12	5	6
Route 19	8	12	6	4	9	3	18	5	6
Route 20	8	12	6	4	9	3	18	5	6
Route 21	8	12	6	6	6	3	12	5	6
Route 22	6	12	6	6	6	3	12	5	6
Route 23	8	12	6	4	9	3	12	5	6
Route 24	8	12	6	4	9	3	12	5	6

Table F-3. Analysis of Land Use Criteria Along the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

ROUTE	LAND USE							
	Apartments Within 300 Feet	Schools Within 1200 Feet	Churches Within 300 Feet	Houses Within 300 Feet	Houses Within ROW	Barns Within ROW	Commercial Within 300 Feet	Property Parcels
Route 1	0.00	0.00	0.00	7.00	0.00	0.00	1.00	53.00
Route 2	0.00	0.00	0.00	6.00	0.00	0.00	1.00	54.00
Route 3	0.00	0.00	0.00	6.00	0.00	0.00	1.00	51.00
Route 4	0.00	0.00	0.00	5.00	0.00	0.00	1.00	51.00
Route 5	0.00	0.00	0.00	6.00	1.00	0.00	1.00	52.00
Route 6	0.00	0.00	0.00	5.00	1.00	0.00	1.00	53.00
Route 7	0.00	0.00	0.00	5.00	1.00	0.00	1.00	50.00
Route 8	0.00	0.00	0.00	4.00	1.00	0.00	1.00	50.00
Route 9	0.00	0.00	0.00	8.00	1.00	0.00	1.00	54.00
Route 10	0.00	0.00	0.00	7.00	1.00	0.00	1.00	54.00
Route 11	0.00	0.00	0.00	9.00	0.00	0.00	1.00	50.00
Route 12	0.00	0.00	0.00	8.00	0.00	0.00	1.00	50.00
Route 13	0.00	0.00	0.00	7.00	0.00	0.00	1.00	48.00
Route 14	0.00	0.00	0.00	6.00	0.00	0.00	1.00	49.00
Route 15	0.00	0.00	0.00	6.00	0.00	0.00	1.00	46.00
Route 16	0.00	0.00	0.00	5.00	0.00	0.00	1.00	46.00
Route 17	0.00	0.00	0.00	8.00	1.00	0.00	1.00	58.00
Route 18	0.00	0.00	0.00	7.00	1.00	0.00	1.00	58.00
Route 19	0.00	0.00	0.00	8.00	1.00	0.00	1.00	59.00
Route 20	0.00	0.00	0.00	7.00	1.00	0.00	1.00	59.00
Route 21	0.00	0.00	0.00	9.00	0.00	0.00	1.00	54.00
Route 22	0.00	0.00	0.00	8.00	0.00	0.00	1.00	54.00
Route 23	0.00	0.00	0.00	9.00	0.00	0.00	1.00	55.00
Route 24	0.00	0.00	0.00	8.00	0.00	0.00	1.00	55.00
St. Dev.	0.00	0.00	0.00	1.40	0.49	0.00	0.00	3.63
AVG-STD	0.00	0.00	0.00	5.43	-0.08	0.00	1.00	49.00
AVG+STD	0.00	0.00	0.00	8.24	0.91	0.00	1.00	56.25
Average	0.00	0.00	0.00	6.83	0.42	0.00	1.00	52.63

St. Dev. = Standard Deviation
AVG-STD = Average minus Standard Deviation
AVG+STD = Average plus Standard Deviation

ROUTE	LAND USE							
	Apartments Within 300 Feet	Schools Within 1200 Feet	Churches Within 300 Feet	Houses Within 300 Feet	Houses Within ROW	Barns Within ROW	Commercial Within 300 Feet	Property Parcels
Calculation of Impact Score								
Route 1	1	1	1	3	2	1	1	3
Route 2	1	1	1	2	2	1	1	3
Route 3	1	1	1	2	2	1	1	2
Route 4	1	1	1	1	2	1	1	2
Route 5	1	1	1	2	4	1	1	2
Route 6	1	1	1	1	4	1	1	3
Route 7	1	1	1	1	4	1	1	2
Route 8	1	1	1	1	4	1	1	2
Route 9	1	1	1	3	4	1	1	3
Route 10	1	1	1	3	4	1	1	3
Route 11	1	1	1	4	2	1	1	2
Route 12	1	1	1	3	2	1	1	2
Route 13	1	1	1	3	2	1	1	1
Route 14	1	1	1	2	2	1	1	2
Route 15	1	1	1	2	2	1	1	1
Route 16	1	1	1	1	2	1	1	1
Route 17	1	1	1	3	4	1	1	4
Route 18	1	1	1	3	4	1	1	4
Route 19	1	1	1	3	4	1	1	4
Route 20	1	1	1	3	4	1	1	4
Route 21	1	1	1	4	2	1	1	3
Route 22	1	1	1	3	2	1	1	3
Route 23	1	1	1	4	2	1	1	3
Route 24	1	1	1	3	2	1	1	3

ROUTE	LAND USE							
	Apartments Within 300 Feet	Schools Within 1200 Feet	Churches Within 300 Feet	Houses Within 300 Feet	Houses Within ROW	Barns Within ROW	Commercial Within 300 Feet	Property Parcels
WEIGHT	**3**	**5**	**3**	**3**	**6**	**2**	**1**	**4**
Route 1	3	5	3	9	12	2	1	12
Route 2	3	5	3	6	12	2	1	12
Route 3	3	5	3	6	12	2	1	8
Route 4	3	5	3	3	12	2	1	8
Route 5	3	5	3	6	24	2	1	8
Route 6	3	5	3	3	24	2	1	12
Route 7	3	5	3	3	24	2	1	8
Route 8	3	5	3	3	24	2	1	8
Route 9	3	5	3	9	24	2	1	12
Route 10	3	5	3	9	24	2	1	12
Route 11	3	5	3	12	12	2	1	8
Route 12	3	5	3	9	12	2	1	8
Route 13	3	5	3	9	12	2	1	4
Route 14	3	5	3	6	12	2	1	8
Route 15	3	5	3	6	12	2	1	4
Route 16	3	5	3	3	12	2	1	4
Route 17	3	5	3	9	24	2	1	16
Route 18	3	5	3	9	24	2	1	16
Route 19	3	5	3	9	24	2	1	16
Route 20	3	5	3	9	24	2	1	16
Route 21	3	5	3	12	12	2	1	12
Route 22	3	5	3	9	12	2	1	12
Route 23	3	5	3	12	12	2	1	12
Route 24	3	5	3	9	12	2	1	12

Table F-4. Analysis of Cultural Resource Criteria Along the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

ROUTE	CULTURAL RESOURCES			
	Archaeological Sites Within 50 Feet	Cemetery Within 50 Feet	Historic Sites Within 2640 Feet	Intersects Visual Area
Route 1	1.00	0.00	2.00	0.00
Route 2	1.00	0.00	2.00	0.00
Route 3	0.00	0.00	2.00	0.00
Route 4	0.00	0.00	2.00	0.00
Route 5	1.00	0.00	1.00	0.00
Route 6	1.00	0.00	1.00	0.00
Route 7	0.00	0.00	1.00	0.00
Route 8	0.00	0.00	1.00	0.00
Route 9	0.00	0.00	1.00	0.00
Route 10	0.00	0.00	1.00	0.00
Route 11	0.00	0.00	1.00	0.00
Route 12	0.00	0.00	1.00	0.00
Route 13	0.00	0.00	1.00	0.00
Route 14	0.00	0.00	1.00	0.00
Route 15	0.00	0.00	1.00	0.00
Route 16	0.00	0.00	1.00	0.00
Route 17	0.00	0.00	1.00	0.00
Route 18	0.00	0.00	1.00	0.00
Route 19	0.00	0.00	1.00	0.00
Route 20	0.00	0.00	1.00	0.00
Route 21	0.00	0.00	1.00	0.00
Route 22	0.00	0.00	1.00	0.00
Route 23	0.00	0.00	1.00	0.00
Route 24	0.00	0.00	1.00	0.00
St. Dev.	0.37	0.00	0.37	0.00
AVG-STD	-0.21	0.00	0.79	0.00
AVG+STD	0.54	0.00	1.54	0.00
Average	0.17	0.00	1.17	0.00

St. Dev. = Standard Deviation
AVG-STD = Average minus Standard Deviation
AVG+STD = Average plus Standard Deviation

ROUTE	CULTURAL RESOURCES			
	Archaeological Sites Within 50 Feet	Cemetery Within 50 Feet	Historic Sites Within 2640 Feet	Intersects Visual Area
Calculation of Impact Score				
Route 1	4	1	4	1
Route 2	4	1	4	1
Route 3	2	1	4	1
Route 4	2	1	4	1
Route 5	4	1	2	1
Route 6	4	1	2	1
Route 7	2	1	2	1
Route 8	2	1	2	1
Route 9	2	1	2	1
Route 10	2	1	2	1
Route 11	2	1	2	1
Route 12	2	1	2	1
Route 13	2	1	2	1
Route 14	2	1	2	1
Route 15	2	1	2	1
Route 16	2	1	2	1
Route 17	2	1	2	1
Route 18	2	1	2	1
Route 19	2	1	2	1
Route 20	2	1	2	1
Route 21	2	1	2	1
Route 22	2	1	2	1
Route 23	2	1	2	1
Route 24	2	1	2	1

ROUTE	CULTURAL RESOURCES			
	Archaeological Sites Within 50 Feet	Cemetery Within 50 Feet	Historic Sites Within 2640 Feet	Intersects Visual Area
WEIGHT	**5**	**2**	**2**	**3**
Route 1	20	2	8	3
Route 2	20	2	8	3
Route 3	10	2	8	3
Route 4	10	2	8	3
Route 5	20	2	4	3
Route 6	20	2	4	3
Route 7	10	2	4	3
Route 8	10	2	4	3
Route 9	10	2	4	3
Route 10	10	2	4	3
Route 11	10	2	4	3
Route 12	10	2	4	3
Route 13	10	2	4	3
Route 14	10	2	4	3
Route 15	10	2	4	3
Route 16	10	2	4	3
Route 17	10	2	4	3
Route 18	10	2	4	3
Route 19	10	2	4	3
Route 20	10	2	4	3
Route 21	10	2	4	3
Route 22	10	2	4	3
Route 23	10	2	4	3
Route 24	10	2	4	3

Table F-5. Analysis of Criteria Scores and Ranks of the Proposed Routes for the Biggersville 161-kV Transmission Line to Biggersville Substation, Alcorn County, Mississippi

Calculation of Impact Score				
	Engineering	Environmental	Land Use	Cultural
Route 1	15	21	13	10
Route 2	17	22	12	10
Route 3	17	20	11	8
Route 4	17	20	10	8
Route 5	11	16	13	8
Route 6	12	17	13	8
Route 7	12	15	12	6
Route 8	12	15	12	6
Route 9	17	15	15	6
Route 10	16	14	15	6
Route 11	18	16	13	6
Route 12	18	16	12	6
Route 13	13	16	11	6
Route 14	14	17	11	6
Route 15	14	15	10	6
Route 16	14	11	9	6
Route 17	17	19	16	6
Route 18	17	19	16	6
Route 19	16	21	16	6
Route 20	17	21	16	6
Route 21	19	20	14	6
Route 22	18	19	13	6
Route 23	19	20	14	6
Route 24	19	20	13	6

SCORES					
	Engineering	Environmental	Land Use	Cultural	Total Score
Route 1	29	74	47	33	183
Route 2	33	76	44	33	186
Route 3	33	71	40	23	167
Route 4	33	71	37	23	164
Route 5	22	56	52	29	159
Route 6	24	58	53	29	164
Route 7	24	54	49	19	146
Route 8	24	54	49	19	146
Route 9	32	51	59	19	161
Route 10	30	49	59	19	157
Route 11	33	54	46	19	152
Route 12	33	54	43	19	149
Route 13	24	56	39	19	138
Route 14	26	58	40	19	143

SCORES					
	Engineering	**Environmental**	**Land Use**	**Cultural**	**Total Score**
Route 15	26	54	36	19	135
Route 16	26	54	33	19	132
Route 17	32	62	63	19	176
Route 18	32	62	63	19	176
Route 19	32	71	63	19	185
Route 20	34	71	63	19	187
Route 21	35	64	50	19	168
Route 22	33	62	47	19	161
Route 23	36	65	50	19	170
Route 24	36	65	47	19	167

RANKS					
	Engineering	**Environmental**	**Land Use**	**Cultural**	**Comparative Rank**
Route 1	9	23	10	23	21
Route 2	15	24	8	23	23
Route 3	15	19	5	19	15
Route 4	15	19	3	19	13
Route 5	1	9	17	21	10
Route 6	2	11	18	21	13
Route 7	2	3	13	1	5
Route 8	2	3	13	1	5
Route 9	11	2	19	1	11
Route 10	10	1	19	1	9
Route 11	15	3	9	1	8
Route 12	15	3	7	1	7
Route 13	2	9	4	1	3
Route 14	6	11	5	1	4
Route 15	6	3	2	1	2
Route 16	6	3	1	1	1
Route 17	11	13	21	1	19
Route 18	11	13	21	1	19
Route 19	11	19	21	1	22
Route 20	21	19	21	1	24
Route 21	22	16	15	1	17
Route 22	15	13	10	1	11
Route 23	23	17	15	1	18
Route 24	23	17	10	1	15