

Appendix E

Impact Tables by Route Segment

This page intentionally left blank.

Table E 2: ROW Characteristics by Segment

Route Segment	Segment Length (miles)	Ag Land (feet)	Ag Land (miles)	169 ROW (feet)	169 ROW (miles)	Other road ROW (feet)	Other road ROW (miles)	PL ROW (feet)	PL ROW (miles)	Cross-Country
A	4.7	11140	2.1	23616.0	4.5	1200.0	0.2	0.0	0.0	0.0
B	0.5	1700	0.3	2640.0	0.5	0.0	0.0	0.0	0.0	0.0
C	0.7	1290	0.2	3400.0	0.6	0.0	0.0	0.0	0.0	0.0
D	4.0	580	0.1	21120.0	4.0	0.0	0.0	0.0	0.0	0.0
E	3.1	3730	0.7	15968.0	3.0	400.0	0.1	0.0	0.0	0.0
F	1.2	4470	0.8	0.0	0.0	4936.0	0.9	0.0	0.0	1400.0
G	0.8	3300	0.6	0.0	0.0	4224.0	0.8	0.0	0.0	0.0
H	0.4	1280	0.2	0.0	0.0	600.0	0.1	0.0	0.0	1400.0
I	3.3	1880	0.4	0.0	0.0	1200.0	0.2	16224.0	3.1	0.0

Table E 3: NLCD Definitions

Classification	Definition
Open Water	All areas of open water, generally with less than 25% cover or vegetation or soil
Developed, Open Space	Includes areas with a mixture of some constructed materials, but mostly vegetation in the form of lawn grasses. Impervious surfaces account for less than 20 percent of total cover. These areas most commonly include large-lot single-family housing units, parks, golf courses, and vegetation planted in developed settings for recreation, erosion control, or aesthetic purposes.
Developed, Low Intensity	Includes areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 20-49 percent of total cover. These areas most commonly include single-family housing units.
Developed, Medium Intensity	Includes areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 50-79 percent of the total cover. These areas most commonly include single-family housing units.
Developed, High Intensity	Includes highly developed areas where people reside or work in high numbers. Examples include apartment complexes, row houses and commercial/industrial. Impervious surfaces account for 80 to 100 percent of the total cover.
Barren Land (Rock/Sand/Clay)	Barren areas of bedrock, desert pavement, scarps, talus, slides, volcanic material, glacial debris, sand dunes, strip mines, gravel pits and other accumulations of earthen material. Generally, vegetation accounts for less than 15% of total cover.
Deciduous Forest	Areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. More than 75 percent of the tree species shed foliage simultaneously in response to seasonal change.
Evergreen Forest	Areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. More than 75 percent of the tree species maintain their leaves all year. Canopy is never without green foliage.
Mixed Forest	Areas dominated by trees generally greater than 5 meters tall, and greater than 20% of total vegetation cover. Neither deciduous nor evergreen species are greater than 75 percent of total tree cover.
Shrub/Scrub	Areas dominated by shrubs; less than 5 meters tall with shrub canopy typically greater than 20% of total vegetation. This class includes true shrubs, young trees in an early successional stage or trees stunted from environmental conditions.
Grassland/Herbaceous	Areas dominated by grammanoid or herbaceous vegetation, generally greater than 80% of total vegetation. These areas are not subject to intensive management such as tilling, but can be utilized for grazing.
Pasture/Hay	Areas of grasses, legumes, or grass-legume mixtures planted for livestock grazing or the production of seed or hay crops, typically on a perennial cycle. Pasture/hay vegetation accounts for greater than 20 percent of total vegetation.
Cultivated Crops	Areas used for the production of annual crops, such as corn, soybeans, vegetables, tobacco, and cotton, and also perennial woody crops such as orchards and vineyards. Crop vegetation accounts for greater than 20 percent of total vegetation. This class also includes all land being actively tilled.
Woody Wetlands	Areas where forest or shrub land vegetation accounts for greater than 20 percent of vegetative cover and the soil or substrate is periodically saturated with or covered with water.
Emergent Herbaceous Wetlands	Areas where perennial herbaceous vegetation accounts for greater than 80 percent of vegetative cover and the soil or substrate is periodically saturated with or covered with water.

Table E 4: NLCD Land Cover by Route Segment (ROW)

Cover Category	A	B	C (169 West)	C(169 East)	D	E	F	G	H	I
Open Water	0.00	0.00	0.25	0.18	0.00	0.00	0.58	0.00	0.67	0.00
Developed, Open Space	34.25	2.26	3.46	4.93	31.49	27.99	5.67	4.25	0.28	3.28
Developed, Low Intensity	6.67	1.50	2.43	1.66	8.91	5.23	0.00	0.18	0.00	0.00
Developed, Medium Intensity	0.00	0.00	0.00	0.00	0.08	0.60	0.00	0.00	0.00	0.18
Developed, High Intensity	0.00	0.00	0.80	0.83	0.00	0.00	0.00	0.00	0.00	0.00
Barren Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deciduous Forest	0.91	0.63	0.40	1.02	2.53	0.37	0.00	0.45	2.60	6.16
Evergreen Forest	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Forest	0.18	0.00	0.00	0.00	0.07	0.67	0.00	0.00	0.00	0.00
Shrub/Scrub	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grassland Herbaceous	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pasture/Hay	6.36	1.38	0.91	0.00	1.21	0.53	6.22	3.59	0.25	8.14
Cultivated Crops	1.51	0.19	0.00	0.00	0.00	0.00	1.14	0.00	0.71	0.00
Woody Wetlands	5.76	0.00	0.32	0.00	2.95	1.49	1.30	0.90	0.00	8.38
Emergent Herbaceous Wetlands	0.99	0.00	0.00	0.00	0.70	1.13	0.00	0.00	0.00	13.27
Total	56.82	5.96	8.60	8.63	47.93	38.00	14.91	9.37	4.51	39.42

Table E 5: NLCD Land Cover by Route Segment (Route Width)

Cover Category	Segment								
	A	B	C	D	E	F	G	H	I
Open Water	0.00	0.00	3.73	0.37	0.00	2.39	1.79	4.89	0.00
Developed, Open Space	99.70	9.05	14.22	84.85	68.53	12.68	8.85	0.00	8.72
Developed, Low Intensity	19.60	3.34	4.43	17.21	16.52	0.00	0.62	0.00	0.39
Developed, Medium Intensity	1.60	0.00	0.00	0.49	1.31	0.00	0.00	0.00	1.40
Developed, High Intensity	0.00	0.00	1.96	0.00	0.00	0.00	0.00	0.00	0.00
Barren Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deciduous Forest	6.62	1.31	14.62	24.90	8.36	0.18	3.06	3.84	31.20
Evergreen Forest	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Forest	0.97	0.00	0.02	1.74	1.22	0.00	0.00	0.00	0.00
Shrub/Scrub	0.40	0.53	0.00	1.46	0.70	0.00	0.00	0.00	0.51
Grassland Herbaceous	0.78	0.00	1.76	0.83	0.70	0.00	0.00	0.00	0.00
Pasture/Hay	27.52	8.30	16.92	5.89	14.26	25.82	18.54	12.01	30.34
Cultivated Crops	4.74	0.44	0.00	0.00	0.18	5.64	0.00	4.24	0.00
Woody Wetlands	47.78	0.93	4.53	33.60	28.47	11.32	4.36	0.00	38.87
Emergent Herbaceous Wetlands	10.89	0.00	0.00	18.01	26.98	0.00	0.00	0.00	48.75
Total	222.44	23.90	62.19	189.34	167.21	58.03	37.22	24.98	160.18

Table E 6: NWI Cover by Route Segment

NWI Type	Route Segment									
	A	B	C (169 West)	C (169 East)	D	E	F	G	H	I
Forested/Scrub-Shrub	11.55	0	0.68	0	3.02	0.99	1.79	0.91	0	16.62
Riverine	0.00	0	0.61	0.61	0.00	0	0.47	0	0.55	0
Freshwater Emergent	0.00	0	0	0	0.00	0	1.68	0	0	0
Total	11.55	0.00	1.30	0.61	3.02	0.99	3.94	0.91	0.55	16.62