

APPENDIX B

LAND USE AND LAND COVER ANALYSIS RESULTS

Land Use Impacts

Table B-1 lists the estimated direct impacts to existing land use for each alignment alternative, rounded to the nearest acre (except for numbers less than one) and their hectare equivalents. Numbers less than one are reported with a decimal place. The *Military Base* category also includes some property owned by the military that is outside of Camp Robinson proper. The *Roadway* category includes impacts to existing roads outside of the base. *Utility right of ways* were not delineated in residential and other areas where the land has another use. The *Undeveloped* category includes wooded areas and pastures outside of the military base. The *Miscellaneous* category includes ponds and reservoirs, borrow areas, sewage ponds, levees, larger ditches, and towers.

<p align="center">Table B-1 Land Use Impacts Acres (Hectares)</p>								
Alignment Alternative	Common Alignment	A	Ab	B	Ba	Bb	Bab	C
Military base	151 (61)	-	-	-	-	-	-	-
Railroad	1 (0.4)	-	-	-	-	-	-	-
Cemetery	9 (4)	-	-	-	-	-	-	-
Commercial	2 (1)	-	-	0.4 (0.2)	-	0.4 (0.2)	-	-
Residential	19 (8)	17 (7)	31 (13)	19 (8)	14 (6)	33 (13)	28 (11)	24 (10)
Agricultural	-	59 (24)	59 (24)	59 (24)	59 (24)	59 (24)	59 (24)	63 (25)
Existing Roadway	34 (14)	28 (11)	30 (12)	27 (11)	24 (9)	26 (11)	25 (10)	25 (10)
Utility Right of way	3 (1)	1 (0.5)	1 (0.5)	3 (1)	3 (1)	3 (1)	3 (1)	3 (1)
Undeveloped	190 (77)	179 (72)	170 (69)	190 (77)	201 (82)	182 (74)	193 (78)	323 (131)
Miscellaneous	2 (0.8)	22 (9)	27 (11)	17 (7)	16 (7)	23 (9)	22 (9)	6 (2)
Total Impacts	412 (167)	306 (124)	319 (129)	315 (127)	318 (129)	327 (132)	330 (134)	444 (180)

If the Oneida Street Interchange is constructed as an overpass, there would be five acres (two hectares) less impacts to residential property on Alignment Alternatives A, B, and Ba, and 14 acres (6 hectares) less on Alignment Alternatives Ab and Bb. There would be 14 acres (six hectares) less impacts to undeveloped property on all alignment alternatives except C, and there would be seven acres (three hectares) less impacts to the miscellaneous category on all alignment alternatives except C.

Land Cover Impacts

Table B-2 lists the estimated direct impacts to existing land cover for each alignment alternative rounded to the nearest acre (except for numbers less than one) and their hectare equivalents. Numbers less than one are reported with a decimal. See Flora Section 3.2.1.3 for a description of the land cover categories.

<p align="center">Table B-2 Land Cover Impacts by Alignment Alternative Acres (Hectares)</p>								
	Oak-Hickory	Mixed Oak-Pine	Bottomland	Pasture	Crops	Field	Development	Total Impacts
Common	73 (30)	230 (93)	1 (0.6)	5 (2)	0 (0)	22 (9)	81 (33)	412 (167)
A	112 (45)	7 (3)	59 (24)	0 (0)	59 (24)	0 (0)	69 (28)	306 (124)
Ab	113 (46)	21 (8)	36 (15)	0 (0)	59 (24)	0 (0)	90 (36)	320 (129)
B	122 (50)	7 (3)	60 (24)	0.5 (0.2)	59 (24)	0 (0)	66 (27)	316 (128)
Ba	133 (54)	7 (3)	60 (24)	0.6 (0.2)	59 (24)	0 (0)	58 (23)	318 (129)
Bb	123 (50)	21 (8)	37 (15)	0.6 (0.2)	59 (24)	0 (0)	86 (35)	327 (232)
Bab	134 (55)	21 (8)	37 (15)	0.6 (0.2)	59 (24)	0 (0)	78 (32)	330 (134)
C	239 (97)	7 (3)	63 (25)	14 (6)	63 (26)	0 (0)	59 (24)	444 (180)

If the Oneida Street Interchange were constructed as an overpass, there would be 11 acres (four hectares) less impact to bottomland on Alignment Alternatives A, B, and Ba, and ten

acres (four hectares) less on Alignment Alternatives Ab and Bb. Without an interchange, there would be three acres (one hectare) less impact to oak-hickory woodland on Alignment Alternatives A, B, and Ba, and four acres (two hectares) less on Alignment Alternatives Ab and Bb.

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