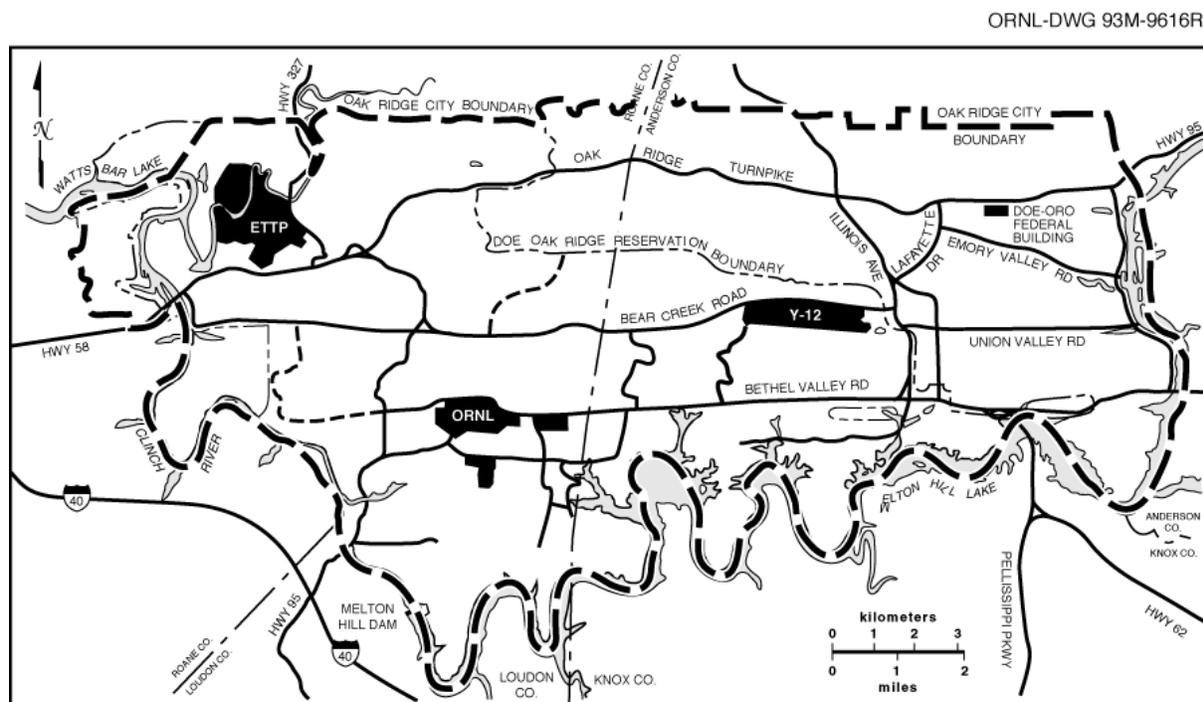


4.2 TRANSPORTATION

4.2.1 On-site Traffic

Primary roads on the ORR serving Y-12 include Tennessee State Routes (SRs) 95, 58, 62, and 170 (Bethel Valley Road), and Bear Creek Road. Except for Bear Creek Road, all are public roads. Figure 4.2.1-1 schematically presents the on-site routes on the ORR serving the Y-12 Site.

Existing traffic on these on-site roads is presented in Table 4.2.1-1 along with designation of Level of Service (LOS).



Source: DOE 2000d.

FIGURE 4.2.1-1.—Road Network at Y-12 Site.

4.2.2 Off-site Traffic

Y-12 is located within 80 km (50 mi) of three interstate highways: I-40, I-75, and I-81. Interstate 40, an east-west highway, extends from North Carolina to California. Interstate 75 is a north-south highway extending from Michigan to Florida. Interstate 81 is a north-south interstate extending from New York to Tennessee. Interstate 81 connects with I-40 east of Knoxville while I-40 and I-75 connect west of Knoxville near the city of Oak Ridge. In addition, SR 61, SR 162, and U.S. 25W at Clinton also serve Y-12 transportation needs off-site.