

RELATED EXPERIENCE

OTTER LAKE ROAD AT N. LAKE ROAD INTERSECTION SAFETY PROJECT

Johnson & Anderson was contracted by Lapeer County Road Commission to provide Preliminary Engineering services on an intersection safety project, funded by Federal Road Safety funds and let through Michigan Department of Transportation Local Agency Program. The project consisted of 0.42 miles of road reconstruction, lowering a crest east of the intersection approximately 7 feet to

allow for adequate sight distance, replacement and upgrade of drainage, flashing beacon installation and addition of curb and gutter.

Location:	Marathon Township, Lapeer County, MI
Engineering Fee:	\$23,000
Construction Cost:	\$615,000
	Lapeer County Road Commission
Contact:	Destain Gingell, PE Phone: 810.664.6272

The project presented many challenges, not the least of which was accommodating the existing driveways located in or near the area of greatest cut. In one instance, the new roadway elevation was approximately 15 feet lower than the home (which sat ~250 ft off the road), and the drive could not meet design standards in the existing configuration. The solution was to move the

drive approach approximately 100 feet down the road, and use up the excess grade by running parallel to the road. This solution required permanent easement as well as a context sensitive approach to place the new driveway in amongst existing trees the homeowner wished to save.

