

INDUSTRIAL MINING SITE OPERATIONAL & SAFETY REVIEW

CLIENT:

Industrial Mining Site

JMTE SERVICES:

- Traffic Analysis
- Professional Consulting
- Pedestrian Safety
- Parking Lot Design
- Wayfinding
- Truck Travel Analysis
- Mass Transit Program
- Intersection Safety
- Regulatory Sign Review
- Pavement Marking Plans

LOCATION:

North Carolina

J.M. TEAGUE
ENGINEERING
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J.M. Teague Engineering & Planning performed an overall transportation operational and safety review for a 16 square mile industrial mining site. The primary purpose of the assessment was to identify challenges and provide recommendations on truck travel patterns, passenger vehicle patterns, interaction between trucks, passenger vehicles, pedestrians, utility vehicles and buses, pedestrian safety, parking lot design, wayfinding, intersection safety, roadway geometry and warning sign placement. Existing travel patterns for all modes of travel were identified, observed, and analyzed. Recommendations were made that included: new and amended parking lot designs, updated pedestrian facilities with additional sidewalks and high-visibility crosswalks, implementation of employee security entry kiosks and a mass transit program, intersection improvements, implementation of a wayfinding system and redesign of a truck weigh station.

The assessment included coordination with rules and regulations required by US Homeland Security MSHA, OSHA, and US Coast Guard.

A context sensitive approach was necessary due to the frequent presence of high profile visitors to the site.

