The Duluth station site will consist of a new waiting room and platform that will be added to The Depot, which will continue to be utilized by its existing tenants and the North Shore Scenic Railroad. The station will be located on the south side of The Depot with pedestrian access from Michigan Avenue, from an access road at track level and from inside The Depot. Since the station will be built on land owned by St Louis County, it will not require any private property acquisition. Additionally, the site will be large enough to accommodate all typical station program elements that will be standard at NLX stations:

- Designed to meet the needs of a modern intercity passenger rail service
- Will meet the requirements of the Americans with Disabilities Act
- 500-foot-long platform with warming shelters
- Climate controlled station building with passenger waiting area
- On-site ticket kiosk machines
- Short-term and long-term parking
- Multimodal access with efficient passenger, taxi and bus drop-off
- Bicycle parking and connections to area bicycle trails