

CLEVELAND RED LINE REALIGNMENT

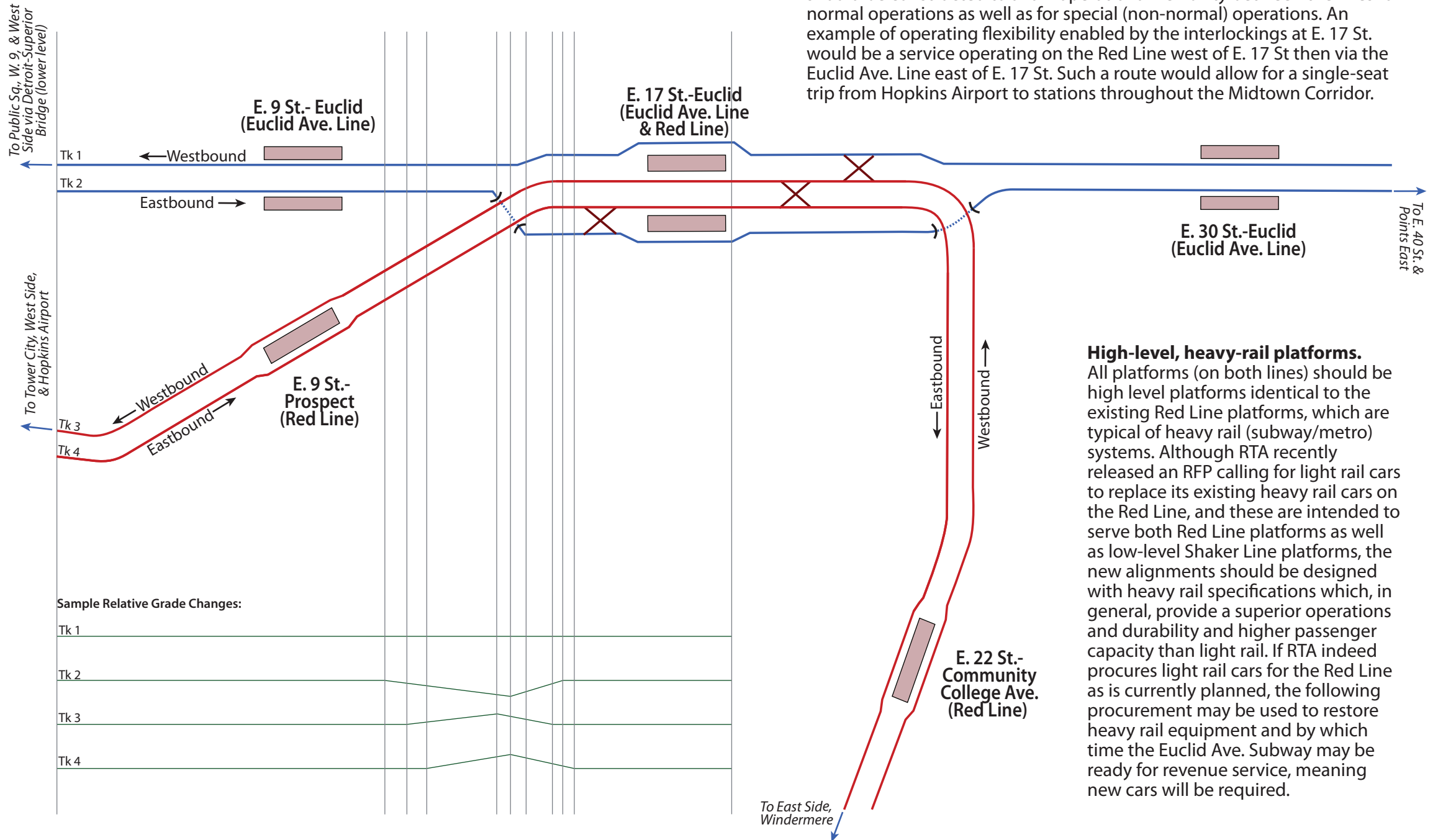
Figure 3. E. 17 St. Station and Connectivity to Euclid Ave Line

Single Line Track Diagram

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Details & downloads at:
www.centerforcleveland.org/red-line



The Red Line Realignment design must consider the future.

When the realignment is designed and constructed, accommodation should be made for a future Euclid Avenue subway that allows same-direction, cross-platform transfers at E. 17 Street. Additionally, the design should incorporate grade changes on both routes to allow the eastbound Euclid Avenue Line track to cross under the two Red Line tracks. For safety, operational flexibility, and maximum service levels, tracks of the two lines must never intersect. Three diamond interlockings around the station should be constructed to allow operational flexibility between the lines for normal operations as well as for special (non-normal) operations. An example of operating flexibility enabled by the interlockings at E. 17 St. would be a service operating on the Red Line west of E. 17 St then via the Euclid Ave. Line east of E. 17 St. Such a route would allow for a single-seat trip from Hopkins Airport to stations throughout the Midtown Corridor.

High-level, heavy-rail platforms.

All platforms (on both lines) should be high level platforms identical to the existing Red Line platforms, which are typical of heavy rail (subway/metro) systems. Although RTA recently released an RFP calling for light rail cars to replace its existing heavy rail cars on the Red Line, and these are intended to serve both Red Line platforms as well as low-level Shaker Line platforms, the new alignments should be designed with heavy rail specifications which, in general, provide a superior operations and durability and higher passenger capacity than light rail. If RTA indeed procures light rail cars for the Red Line as is currently planned, the following procurement may be used to restore heavy rail equipment and by which time the Euclid Ave. Subway may be ready for revenue service, meaning new cars will be required.