**Case 3 – “Three and Two” with Shared Use**
- Total of Five Mainline Tracks from Redondo Junction to Fullerton
  - Three interconnected tracks for the operation of freight trains and conventional passenger trains
  - Two interconnected tracks exclusively for passenger trains only
    - “Shared use” for conventional Metrolink trains and the HST
- The two exclusive passenger tracks for “shared use” of Metrolink and the HST are physically separated from the three tracks for combined operation of freight trains and other conventional passenger trains (Amtrak and Metrolink 91-Line).
- Dedicated passenger double track joins two tracks east of Fullerton Junction
  - Two Tracks continue to Anaheim
  - Passenger trains during public service hours
  - Freight trains time separated to nighttime

**Case 4 – “Four and Two” with Shared Use and Exclusive Tracks for High Speed Train**
- Total of Six Mainline Tracks from Redondo Junction to Fullerton
  - Four interconnected tracks for the operation of freight trains and conventional passenger trains
  - Two interconnected (physically separated) tracks exclusively for the HST
- The two exclusive HST tracks are physically separated from the four tracks for combined operation of freight trains and conventional passenger trains.
- Total of Four Mainline Tracks from Fullerton to Anaheim
  - Two tracks for the combined operation of freight trains and conventional passenger trains
  - Two tracks (physically separated) exclusively for the HST

**Case 5 – “Four Track No-Build”**
- Total of Three Mainline Tracks from Redondo Junction to Fullerton (Step 1)
  - Three interconnected tracks for the operation of freight trains, Amtrak and Metrolink.
- Total of Four Mainline Tracks from Fullerton to Anaheim (Step 2)
  - Four interconnected tracks for the operation of freight trains, Amtrak and Metrolink.

Details and results of the operations analysis associated with each one of the Model Cases outlined above are presented in the following sub-sections.

### 6.1 LOSSAN Corridor Model Case 1 – “Two and Two”

**Assumptions**
The LOSSAN Corridor Model Case 1 assumed:
- Train Characteristics: As described in Section 5.1 for Freight trains, the HST and Amtrak plus:
  - Metrolink: AEM-7 with 5 coaches