LUAS CROSS CITY
MAIN INFRASTRUCTURE WORKS

TRACK LAYING - WHAT’S INVOLVED?

SECTION VIEW THROUGH THE TRACK SLAB:

1. Excavate the roadway to the correct depth (approximately 800mm – 1.3mtrs depending on the soil conditions)
2. Install Luas high and low voltage (HV and LV) ducts which will carry the power and systems cables
3. Reconstruct the ground level with layers of sub-base material to ensure a solid base for the reinforced concrete track slab.
4. A layer of steel mesh reinforcement is then placed on top of track slab base.
5. Deliver the tracks to site and install. A straight piece of track is 18 meters long on average.
6. Align the rails to the correct position, raise them to the correct level and weld them together to form the track.
7. Pour concrete around the track system and reinforcement
8. Install surfacing around the rails (this may be temporary or permanent depending on the construction sequence)
9. Install footpath kerbs