

DART+ West

MCA Option Costs

The cost comparison set out in the table below addresses all options considered in the assessment of the Revised Preferred Option selection.

All options including the Do Nothing, the Do Minimum and the 13 No Do Something Options have been included. A 100% figure is assigned to the lowest cost Do Something option, the Reference Cost. The comparative cost of all other options is then presented as a percentage of the Reference Cost.

The MCA Cost includes for the following elements:

- Civil Engineering Works Costs on the basis of unit rates per square metre of works assembled from principal components as follows:
 - Roadworks At Grade – Plan Area x Rate
 - Roadworks on embankment – Plan Area x Rate
 - Roadworks in cut – Plan Area x Rate
 - Roadbridge Plan Area x Rate
 - Fixed Bridge – Plan Area x Rate
 - Approach Structures – Length x Rate
 - Opening Bridges – Prime Cost
 - Droplock – Discrete Sum
 - Pedestrian Cycle Bridge – Discrete Sum
 - Station Reconstruction Cost – Discrete Sum
 - CCTV Control, Signalling for Level Crossing – Discrete Sum
 - Preliminaries, Temporary Works – Special Sum
 - Premium for Online Construction - Sum
- Maintenance Costs for the design life
 - Individual Concrete Structures – Sum
 - Individual Steel Structures – Sum
 - Roadworks - Sum
- Land Costs – This was based on an rate per hectare for properties.

Option	Description	%
Do Nothing –	Implement CCTV Control	8%
Do Minimum	(Close the Level Crossing)	25%
Option 1	(Online Obr)	269%
Option 2	(Underbridge on Mill Lane)	338%
Option 3	(Overbridge on Mill Lane)	406%
Option 4 & 4a	(Road bridge West + PedCycUndBridge)	336%
Option 4 & 4b	(Road bridge West + PedCycOvBridge)	309%
Option 5	(Low Clearance UndBridge East)	237%
Option 6	(Fixed Road OvBridge East of Station)	284%
Option 7	(Fixed Road OvBridge East of Station from Navan Road)	410%
Option 8	(PedCycOvbridge Only on Station footprint with reconfiguration of the station)	100%
Option 9	(Lower the Railway with at grade roadbridge at LX)	697%
Option 10	(UnBridge West of Mill, PedOvBridge at Station)	337%
Option 11	(Improvements on Local Road Network, PedOvBridge at Station)	233%
Option 12	(Road OvBridge West from Navan Parkway Stn, PedCycOvBridge at Ashtown Station)	466%
Option 13	(OvrBridge West of Mill, PedOvBridge at Station)	330%