

## **MCA DEPOT**

					DART May	nooth & City Centre Enhan	cements. MCA Criteria and	parameters		
						Depot Option	ns Assessment			
N	Parameter		Criteria	Sub-Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
			:		Some comparative advantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		1,1	n cost	Assessment of cost of earthworks	Construction cost impact are lower. Cut 20,000 m3 Fill 186,000 m3	Construction cost impact are lower. Cut 8,000 m3 Fill 127,000 m3	Construction cost impact are higher. Cut 27,000 m3 Fill 315,000 m3	Construction cost impact are higher. Cut 1,000 m3 Fill 201,000 m3	Construction cost impact are higher. Cut 1,000 m3 Fill 387,000 m3	Construction cost impact are higher. Cut 1,000 m3 Fill 203,000 m3
		1,2	Constructio n cost and Long term Maintenan ce Costs	Assessment of	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
				cost of tracks	Track length 16,6 km Turnouts 62 units	Track length 18,1 km Turnouts 64 units	Track length 18,7 km Turnouts 76 units	Track length 17 km Turnouts 63 units	Track length 17,4 km Turnouts 64 units	Track length 17,6 km Turnouts 64 units
		1,3			Significant comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Significant comparative disadvantage over other options	Some comparative advantage over other options	Significant comparative disadvantage over other options
1	Economy		Constructio n cost	Overhead power line conflicts. Assess impacts on existing utilities. Length and Number of poles within the plot	2 Overhead lines 38 KV above stabling and workshop. Diversion is required. 38 KV Length: 475 m + 428 m = 903 m 38 Kv poles: 8	1 Overhead line 38 KV above stabling. Diversion is required. 38 KV Length: 186 m + 371 m = 557 m 38 Kv poles: 6	1 Overhead line 38 KV above stabling and workshop. Diversion is required. 1 Overhead line 220 KV close to AVI facility. 220 kv length: 115 38 KV Length: 102 m + 610 m = 712 38 Kv poles: 6	2 Overhead line 38 KV above stabling. Diversion is required. 1 Overhead line 220 KV close to AVI facility. 220 kv length: 100 38 KV Length: 175 m + 330 m= 505 m 38 Kv poles: 5	1 overhead line 38 KV above tracks and roads. 1 Overhead line 220 KV close to AVI facility. 220 kv length: 88 38 KV Length: 102 m + 270 m = 372 m 38 Kv poles: 4	2 Overhead lines 38 KV above stabling and workshop. Diversion is required. 1 Overhead line 220 KV close to AVI facility. 220 kv length: 95 m 38 KV Length: 475 m + 428 m = 903 m 38 Kv poles: 8
			Constructio	Bridge new OBG24. Length of	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Significant comparative disadvantage over other options	Some comparative disadvantage over other options	Significant comparative disadvantage over other options
		1,4	n cost	the bridge over the plot	46 m	45 m	75 m	94 m	84 m	94 m
					Some comparative disadvantage over other options	Some comparative disadvantage over other options	Significant comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		1,5	Traffic Functionali ty /economic benefit	mainline-Stabling	Direct access up to the stabling from the 2 eastern connections to the mainline. Access from the western connection need a reversing in the shunting track.	Direct access up to the stabling from the 2 eastern connections to the mainline. Access from the western connection need a reversing in the shunting track.	Direct access up to the stabling from the 3 connections to the mainline.	Direct access up to the stabling from the 2 eastern connections to the mainline. Access from the western connection need a reversing in the shunting track.	Direct access up to the stabling from the 3 connections to the mainline. Fleet berthed 3 in a row to reduce the width of the stabling area.	Direct access up to the stabling from the 2 eastern connections to the mainline. Access from the western connection need a reversing in the shunting track.



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	Depot Options Assessment									
N o	Parameter		Criteria	Sub-Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
					Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
		1,6	Traffic Functionali ty /economic benefit	Train flows Main line-AWP/Service slab-Stabling connectivity.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling.  Access from the central connection to the AWP needs a reversing in the western shunting track.  Access from the western connection to the AWP is direct by the through track.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling. Access from the central connection to the AWP needs a reversing in the western shunting track. Access from the western connection to the AWP is direct by the through track.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling. Access from the central connection to the AWP needs a reversing in the western shunting track. Access from the western connection to the AWP is direct by the through track.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling.  Access from the central connection to the AWP needs a reversing in the western shunting track.  Access from the western connection to the AWP is direct by the through track.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling.  Access from the central connection to the AWP needs a reversing in the western shunting track.  Access from the western connection to the AWP is direct by the through track.	Direct access from the primary connection to the mainline to the AWP and subsequently to the stabling. Access from the central connection to the AWP needs a reversing in the western shunting track. Access from the western connection to the AWP is direct by the through track.
		1,7	Traffic Functionali	Train flows Stabling- AWP/Service slab connectivity.	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options
		1,7	/economic benefit		Direct access from stabling to AWP.	Direct access from stabling to AWP.	Direct access from stabling to AWP.	Direct access from stabling to AWP. Facilities are more distant.	Direct access from stabling to AWP. Facilities are more distant.	Direct access from stabling to AWP.
			Traffic Functionali ty /economic benefit	Train flows Main line-Workshop	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options		Some comparative advantage over other options
		1,8			Direct access from the three connections to the mainline up to the workshop.	Direct access from the western connection to the mainline up to the workshop. Access from the central and eastern connection to the workshop needs a reversing in the western shunting track.	Direct access from the three connections to the mainline up to the workshop.	Direct access from the three connections to the mainline up to the workshop.	Direct access from the three connections to the mainline up to the workshop.	Direct access from the three connections to the mainline up to the workshop.
			Traffic Functionali	Train flows Stabling-	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		1,9	ty /economic benefit	Workshop connectivity.	Access from stabling to workshop needs a reversing in the eastern shunting track.	Direct access from stabling to workshop.	Access from stabling to workshop needs a reversing in the eastern shunting track.	Direct access from stabling to workshop.	Access from the main stabling to workshop needs a reversing in the eastern shunting track.	Access from stabling to workshop needs a reversing in the eastern shunting track.
			Traffic Functionali	Train flows	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
		1,10	Functionali	tionali Train flows Workshop-Test nomic track connectivity.	Access from workshop to test track needs a reversing in the western shunting track.	Access from workshop to test track needs a reversing in the western shunting track. Facilities are more distant.	Access from workshop to test track needs a reversing in the western shunting track.	Access from workshop to test track needs a reversing in the western shunting track. Facilities are more distant.	Access from workshop to test track needs a reversing in the western shunting track.	Access from workshop to test track needs a reversing in the western shunting track.



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			Traffic Functionali	Train flows	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		1,11		AWP/Service slab connectivity.	During the washing process the access to the tracks of the service slab is blocked, so trains should go through by-pass up to the stabling.	During the washing process the access to the tracks of the service slab is blocked, so trains should go through by-pass up to the stabling.	During the washing process the access to the track of the service slab is available.	During the washing process the access to the tracks of the service slab is blocked, so trains should go through by-pass up to the stabling.	During the washing process the access to the tracks of the service slab is blocked, so trains should go through by-pass up to the stabling.	During the washing process the access to the tracks of the service slab is blocked, so trains should go through by-pass up to the stabling.
			Adaptabilit y in the future	Considering adaptability	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options
		2,1		potential for link more stabling tracks	Single ended stabling tracks could be extended to the West.	Stabling tracks should be added separated from the main stabling area.	Stabling tracks should be added separated from the main stabling area.	Stabling tracks should be added separated from the main stabling area.	Stabling tracks should be added separated from the main stabling area.	Single ended stabling tracks could be extended to the West.
			Adaptabilit	Considering adaptability potential for link future facilities	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
		2,2	y in the future		Short stretches in the lead tracks to link new facilities.	Short stretches in the lead tracks to link new facilities.	Longer stretches in the lead tracks to link new facilities.	Longer stretches in the lead tracks to link new facilities.	Longer stretches in the lead tracks to link new facilities.	Longer stretches in the lead tracks to link new facilities.
		2,3			Comparable to other options					
2	Integration		Land Use Integration	Impact on land use strategies and regional and local plans. Assessment of support for land use factors local land use and planning. Inclusion of project in relevant local and regional planning documents.	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'	The Depot location is located on unzoned greenfield lands between the settlements of Kilcock and Maynooth. At a local level the option is consistent with the Kildare CDP 2017-2023 with, objective PTO 3 'Support of the NTAs Greater Dublin Area Transport Strategy (2016-2035)' and PTO 7: 'Promote and support the upgrading of the Maynooth rail line & the Kildare rail way, in accordance with Transport Strategy for the Great Dublin Area 2016-2035'
			Geographi	Impact on improvement of external links.	Comparable to other options					
			cal Integration	external links. Overall electrification scheme would be highly positive.	Comparable across all options					



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	Depot Options Assessment  Option 2  Option 2  Option 5  Option 6											
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			Other	Integration with Government	Comparable to other options							
		2,5	Other Governme nt Policy	Policy, Smarter Travel, Investment Programmes, rail safety, electrification etc		Comparable across all options						
			Noise and Vibration	Estimated number of people likely to be affected by transport	Comparable to other options							
		3,1			Options provide comparable impacts on noise and vibration.	Options provide comparable impacts on noise and vibration.	Options provide comparable impacts on noise and vibration.	Options provide comparable impacts on noise and vibration.	Options provide comparable impacts on noise and vibration.	Options provide comparable impacts on noise and vibration.		
		3,2	Air Quality	Local air quality effects. Number of	Comparable to other options							
		5,2	and Climate	receptors within 50m.	Options provide comparable impacts on air and climate.	Options provide comparable impacts on air and climate.	Options provide comparable impacts on air and climate.	Options provide comparable impacts on air and climate.	Options provide comparable impacts on air and climate.	Options provide comparable impacts on air and climate.		
				Key landscape characteristics	Comparable to other options							
3	Environme nt				All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare	All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare	All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare	All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare	All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare	All Options are likely to have significant negative impact on landscape and visual amenity of the Royal Canal defined as an Area of High Amenity in the Kildare		
					cDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the	cDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the	cDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the	CDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the	cDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the	CDP. The Kildare CDP has identified a number of Scenic Viewpoints along the Canal at this Location that are likely to be affected by the		
		3,3	Landscape and Visual (including light)	affected; Effects on listed/ key views; Impact on landscape	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as	construction of proposed Depot buildings and new bridge structure (OB24) over the Royal Canal as well as		
				character.	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of	operational impacts of trains parked along the Canal at the stablings which will change the landscape character of		
					this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing	this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing	this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing	this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing	this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing	this area significantly. The proposed development is does not support policies and objectives of the Kildare CDP relating to curtailing		
					development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).	development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).	development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).	development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).	development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).	development along the Canal and preserving this corridor (WV 1, WV 2 and WV 3).		



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	Depot Options Assessment									
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					Comparable to other options					
		3,4	Biodiversit y (flora and fauna)	Potential compliance/conflic t with biodiversity objectives; Indirect impacts on protected species, designated sites; Overall effect on nature conservation resource.	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA	Similar Total Area to other options Slightly less frontage onto the Royal Canal pNHA
					Comparable to other options					
		3,5	Cultural, Archaeolog ical and Architectur al Heritage	Overall effect on cultural, archaeological and architecture heritage resource. Likely effects on RPS, National Monuments, SMRs, Conservation areas, etc. Number of designated sites/structures (by level of designation) directly impacted by scheme (landtake)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)	Potential for significant direct negative impacts on two recorded monuments (ring ditch and barrow) along with previously unrecorded archaeological sites. Potential for indirect negative impacts on Chamber's Bridge (RPS)



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Depot Options Assessment										
1	Parameter		Criteria	Sub-Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
				Overall potential significant effects on water resource attributes likely to be affected during construction and operation.	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		3,6	Water Resources		All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases. OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. This appears to affect options 1& 2 the least. Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.	All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases.  OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. This appears to affect options 1& 2 the least.  Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.	All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases.  OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. A portion of option 3 appears to be within the predicted flood extents.  Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.	All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases.  OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. A portion of option 4 appears to be within the predicted flood extents.  Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.	All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases.  OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. A portion of option 5 appears to be within the predicted flood extents.  Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.	All options will require the diversion or culverting of a small watercourse. All options are directly adjacent to the Royal Canal on their northern boundary. The close proximity to the royal canal and the minor watercourse diversion poses risk to water quality during construction and operation phases.  OPW flood mapping indicates that the area where the minor watercourse discharges to the Lyreen river is liable to flood. A portion of option 6 appears to be within the predicted flood extents.  Majority of proposed option is within "Moderate" groundwater vulnerability and poses a limited threat to groundwater.
					Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options
		3,7	Agriculture and Non- Agricultural	Overall impact on land take & property. Number of properties to be impacted/acquired . Likely temporary or permanent severance effects, etc.	Option 1 will involve land severance on 5 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 1 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.	Option 2 will involve land severance on 5 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 2 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.	Option 3 will involve land severance on 4 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 3 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.	Option 4 will involve land severance on 4 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 4 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.	Option 5 will involve land severance on 4 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 5 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.	Option 6 will involve land severance on 4 No. holdings with impacts on access on 1 No. farm holding. Apart from landtake which will be compensated it is not likely to impact on agribusiness. Option 6 will impact on agricultural lands of good quality with significant landtake and severance impacts on a number of properties.



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-			Land	Area needed for new railway infrastructure. Maximum length.	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Significant comparative disadvantage over other options
		3,0	occupation		Area 32,89 Has Length 2,25 km	Area 33,09 Has Length 2,25 km	Area 32,63 Has Length 2,58 km	Area 31,67 Has Length 2,58 km	Area 30,98 Has Length 2,58 km	Area 36,87 Length 2,58 m
				Soils and Geology and likely impact on geological resources based	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
		3,9	Geology and Soils (including Waste)	on preliminary/likely construction details. Soil resources to be developed/remove d. Existing information relating to potential to encounter contaminated land. High-level assessment based on the likely structures/ works required and the potential for ground contamination due to historic landfills, pits and quarries.	& geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.	Potential for impact on soils & geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.	Potential for impact on soils & geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.	Potential for impact on soils & geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.	Potential for impact on soils & geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.	Potential for impact on soils & geology is mainly related to karst lacustrine or alluvial soils may be present. This would most likely require removal and replacement for construction but the majority of the site appears to be on glacial till, a soil which is generally acceptable for the required construction.
					Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
	3,	3,10	Radiation and Stray Current	Overall likely impact on existing sources of electromagnetic radiation.	The main sources of EMI from the proposed development will be the traction supply system, MV ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along the line are not impacted by the selection of any of these options then all options are comparable from an EMI perspective.	The main sources of EMI from the proposed development will be the traction supply system, MV ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along the line are not impacted by the selection of any of these options then all options are comparable from an EMI perspective.	ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along	The main sources of EMI from the proposed development will be the traction supply system, MV ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along the line are not impacted by the selection of any of these options then all options are comparable from an EMI perspective.	The main sources of EMI from the proposed development will be the traction supply system, MV ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along the line are not impacted by the selection of any of these options then all options are comparable from an EMI perspective.	The main sources of EMI from the proposed development will be the traction supply system, MV ring, HV lines, substation and comms infrastructure. Assuming that routing of the cabling, the location of substations, hubs etc. along the line are not impacted by the selection of any of these options then all options are comparable from an EMI perspective.



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	_					Depot Option	s Assessment			
1	Parameter		Criteria	Sub-Criteria	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
			Impact on	Proximity to	Some comparative disadvantage over other options	Significant comparative disadvantage over other options	Some comparative advantage over other options	Significant comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options
4	Accessibilit y & Social	4,1	the local residents	residential areas	Main building and stabling are adjacent close to the western residential area	Main building and stabling are separated and stabling is close to the western residential area	Main building and stabling are adjacent far from the western residential area	Main building and stabling are separated and stabling is close to the western residential area	Main building and stabling are adjacent far from the western residential area	Main building and stabling are adjacent close to the western residential area
	inclusion	4.2	Social	Accessibility to	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
		4,2	Inclusion	employment	Same accessibility to employment	Same accessibility to employment	Same accessibility to employment	Same accessibility to employment	Same accessibility to employment	Same accessibility to employment
		5,1	1 Security	Remote stabling yard are more	Some comparative advantage over other options	Some comparative disadvantage over other options	Significant comparative advantage over other options	Some comparative disadvantage over other options	Significant comparative advantage over other options	Some comparative advantage over other options
		3,1		vulnerable against vandalism	Stabling close to main building	Remote stabling in the West	Stabling in front of main building	Remote stabling in the West	Stabling in front of main building	Stabling close to main building
		5,2	Ease of supervision	Distance between workshop and	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
		5,2	. Staff flows	service slab	Maintenance facilities are distant (more than 0.5 km).	Maintenance facilities are adjacent.	Maintenance facilities are distant (more than 0.5 km).	Maintenance facilities are distant (more than 0.5 km).	Maintenance facilities are distant (more than 0.5 km).	Maintenance facilities are distant (more than 0.5 km).
	Safety	5,3	Ease of supervision . Staff flows	Distance and level crossings between workshop and stabling.	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
					Facilities are adjacent. No level crossings.	Facilities are distant (more than 0.5 km). No level crossings.	Facilities are adjacent. Crossing to be provided at different level.	Facilities are distant (more than 0.5 km). No level crossings.	Facilities are adjacent. Crossing to be provided at different level.	Facilities are adjacent. No level crossings.
				Assess road and	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options
		5,4	Road flows	level crossings with tracks	Internal road connected to all facilities without level crossings.	Access to service slab needs some level crossings.	Access to stabling needs some level crossings.	Internal road connected to all facilities without level crossings.	Access to main stabling needs some level crossings.	Internal road connected to all facilities without level crossings.
		6.1	y to	Provision of cycle track or / and	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
	Physical	6,1	adjoining cycling facilities	connectivity to adjoining cycling facilities.	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections
	Activity	6.2	Permeabilit y and local connectivit	Analysis of the connectivity to green areas/key	Comparable to other options	options	Comparable to other options	options	Comparable to other options	options
		6,2	у	attractions related to active mode	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections	Same possibility for connections



## **Summary**

Nº	Parameter	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
1	Economy	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options	Some comparative disadvantage over other options
2	Integration	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
3	Environment	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options	Significant comparative disadvantage over other options
4	Accessibility & Social inclusion	Some comparative disadvantage over other options	Significant comparative disadvantage over other options	Some comparative advantage over other options	Significant comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options
5	Safety	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative disadvantage over other options	Some comparative advantage over other options	Some comparative advantage over other options
6	Physical Activity	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options	Comparable to other options
	Preferred option	No	No	Yes	No	No	No