



Appendix A

Detailed MCA table

Egnificant comparative ac Some comparative ac Comparable to other Some comparative di Significant comparati	Comparison Criteria Lege is advantage over other options vantage over other options aptions / neutral advantage over other option is disadvantage over other o	nd 2015 In ptions											
				Cap	ital Expenditure (CAPEX): Construction, land acquisition, temporary works	OPEX: Opera entities), Tec	tional costs (IÉ or other hnology advancements	Econ Train Opera	omy tions Functionality/Economic Benefit	De	pot Operations Functionality/Economic Benefit	Traffic functi	onality and associated vities and opportunities
Technical Annex	Summary of requirements	Option Number	Description of Option	Quantizative appraise of potential infrastructure costs of proposed options	a Rotante	Qualitative appraisal of postetial ongoing infrastructure maintenance costs of proposed options	Rationale	Qualitative appraisal of potential ongoing operational costs of proposed options	Rationale	Qualitative appraisal of potential ongoing operational costs of proposed options	lationale	Qualitative appraisal of potential wider benefits of proposed options	Rationale
				Cost to bring the pro To offer good value f To minimise risk arou Constructability		To offer good value Cost to maintain th whole life. Uffects of infrastru Provision of ways o inspections and ma minimising the effe	e for money. te infrastructure over the cture maintenance to services. of undertaking routine aintenance activities while ext on service to customers.	Potential improven of the line (reducti service) Increased DART see (leading to increase firms, increased to	sert or deterioration of the operation conditions on or increase of the rulk of Interruption of vice improving connectivity and economy discretizing increased output of reverse).	Potential improven increase of the risk increased ART see in economy, increa	unt or deterioration of the operation conditions of the time (induction or of interruption of service) vio improving correcting and economy (index) to broaked competition and output of from, increased tax revenue).	Image: Section of a constrained of the section of the	vehicular traffic flows in the is during construction and is activities and opportunities ration of traffic disruption jorns pacts on traffic and ng the construction and
		15	New platform at location of existing service read 4 with new costorer allowing parallel moves from down and up main at the station approach with no ECS moves to depot in pask		Enversification of fractionaries resulting in reduced construction functions. It bridge work as complex and higher at the networking constructed distanced frameworks. Experiment reak work however, and the standard frameworks. Experiment reak works have been readered by the registeries of the adjuster ODBEC may also need replacing or during the neuronal modify required. The adjuster ODBEC may also need replacing or during the neuronal modify required. The adjuster of the adjuster of the adjuster of DBEC may also need replacing or during the neuronal modify required.		Complex P&C with diamond crassover. Constrained area with difficult access. New platform close to unkilling reducing station staffing costs		- Alians for 2 17H DAYE ESS move between dept not notime glastions 24 one glastions 4 - carrent support nones is existing platform 2 during pask hours		Control days functions or manifolds Additional dailing with any second of the High particle second of the second of the second of the High particle second in the second of the second of the High particle second on the second of the second of the High particle second on the second of the second of the High particle second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the second of the High particle second of the second of the		Diruption to Railway Terrace during constructions to permanent duringtion foreseen. Diruption to depost and platform 3 during platform 3 during construction Invited opportunities to easily phase works. Some impact to mailshe but sochs can be carried out in blocks/weekends
		15	New platform at location of existing service road 4 with new depot headhwart to South and with new crossover from down main at the station approach		Several plane of traduced membrane metalizes and contractions facilities & bridge weak as complexe and separation of the second metalizes of the second sec		Complex P&C with diamond rousser. Constrained area with difficult access. New platform close to unishing reducing station staffing costs		- Headhurt allow for 2 TH CC moves (1 DAIT red 1 Chergenauf Community, with ro majorimment for threads on the mainlane - Heary sages of the directional lead could provide reskaling risk.		Control dipole for basis or an anticase Control dipole and and Department and an anticase Department and any another Department and any another Department and any another Department and and any and any and any and Department for additional to shalling reach and Department for additional to shall be and Department for additional to for a shall be a for a difference of the shall be additional to the shall be additional Department for additional to for a shall be additional to a for a shall Department for additional to a shall be additional to a for a shall be additional to a for a shall be additional to a		Diruption to Railway Ternana during construction No permanent diruption foreseen. Diruption to depot and platform 3 during Construction Works could be phased to militigate diruption Some impact to mainline but works can be carried out in blocks/weekends
		15	New platform at location of existing service road 4 with new depot headshumt to South and with new crossover from down rossover from down exproach. Southerm headshumt depot arrivals only		In your of periods to realize you have a constrained to realize the factors in the factors and any of the factor material to perpendence. Experiment as a works: Experiment of the factor in the mathematical and any of the factors and the mathematical and any of the mathematical and any of the mathematical as a second second as a regulated. These signaling mathematicans in the mathematical as a second mathematical and any of the any of the mathematical mathematical as a second mathematical and any of the second second as a regulated of the second second and mathematical as a second mathematical as a second of the second second as a second second as a second mathematical mathematical as a second mathematical as a second of the second second as a second second as a second second as a second as		New platform close to existing reducing station staffing costs		- Option cannot support 2 ECS moves per hour, as the wave devined a G-incition of and the CCS moves doring and hours. - CARTS cannot access platform from depot without going on mailtime		Control depart functions are mentioned Advanced under synchronization Serging rans room with presided Serging rans room with presided Serging rans room with presided Serging rans room with presided Serging rans room with president and serging results presided Serging room with the advance results from and Serging room with president and serging results for serging room with the advance results for serging room with the advance results for advanced and the advance results for advanced and the advance results for Advanced and services for advance and services and the preservices with the advanced and the advance results for - services advanced and the advanced and advanced and the second.		Disruption to Railway Terrace during construction. No permanent disruption foresen: Some disruption to depot and platform 3 during Comburts Notics could comburts Notics could disruption mitigate disruption mitigate disruption mail-ne but socials can be carried out in blocks/weekends
Works Around Drogheda MacBric Station	Provide new tumback infraintructure which will meet the Train Service Specification To allow for continued movements of freight tasflic to and form the Rivan Branch. Provide additional DAT rolling took stabiling within the Degined area as per the RIVAT and provide area as stabiling within the	28	Single News Branch Fairform but with no ECS moves to Navan Platforms		En to backet that the Option 1 (a) even of the investee of Plane work, There is bins to despite the option works the option 1. If it and PLA to test were to be explained as the option of the option of the option 1. If it and PLA to test were to be option 1. If the option of the option of the option of the option 1. If it and PLA to test were to be option 1. If the option of the option of the option of the option of the option of the option of the option 1. If the option of the option of the option of the option of the option of the option of the option 1. If the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option of the option		Imited new infeature. New gladerom is not close to quiding which call increase station staffing costs		- Splitting of DAT services between new Nexes platform and existing parform 3 reprocess matching performance, by reading that the Data and the Data the Data and the Data and the Data and the Data and the Data the Data and the Data and the Data and the Data and the Data the Data and the Data and the Data and the Data and the Data the Data and the Data and the Data and the Data and the Data the Data and the		- connet laborat functions are annethened - andre and annet annet annet annet annet annet - annet annet annet annet annet annet annet annet Balling does nut region toan to losa degat onto marine		During construction freight envices and operations on Dubin fload would be impacted. During operation longer waiking distances would be introduced from the new platform and some on parking spaces lost. Limited construction disruption to passenger rail and ces
		ж	Single Navan Branch Platfarm with southern headshunt to depot		Stratil discussion may any space to Mercel and Space Table 2 Shard patients when the Opene Table series.) Share an Opene Table when the shardware and the the such that and mastice sizes. More trade work the XD Mark - share (2), 2 when the Strate And Andree Strate Strate Andree S		New platform is not close to wising which could increase station staffing costs		- defining ad dott nervices thereases now Ricease interfaming and environment on Ricease and Ricease Interchange and environments and Ricease and Ricease - Addition of the headshurst allows for DAtt with a start of the headshurst allows for DAtt matching, and also menous the need for trains and relative the headshurst and the start matching, and also menous the need for trains the matching, and also menous the need for trains and the start of the start of the start and the matching, and also menous the need for trains and the start of the start of the start and the the matching and the start of the start and the form and the start of the start of the start of the the start of the start of the start of the start of the table start of the start of the start of the start of the table start of the start of the start of the start of the table start of the start of the start of the start of the table start of the start of the start of the start of the table start of the start of the start of the start of the start of the start of the table start of the start of		Common departs functions are manifolded Additional additiony and additional additional - Making data on a respect track to low data of an anniholation - Making data on a respect track to low data of additional and the interventions and exclusions to data of additional additional matchers and additional and additional additional additional - Additional additional additional additional additional - Thom and discretions from any protest scenes to Marcineana - Thom and discretions from and protest scenes to Marcineana - Thom and discretions from additional additional - Thom and discretions from additional additional - Thom and discretions from additional - Thom and disc		During construction freight services and operations on both most would be impacted. During operation langer willing distances would be introduced from the new platform and some car parking spaces lost. Limbed construction disruption to passenger rail services
		25	Island Navan Branch Piatlann with no ECS maves to Navan Piatlanns		scholarszategy rusanie file klei obie file za zakla zakladni do la de bie Adri Y Bourgary te strat za tra tra den danar, and ere ender scholar skate te bieget an Na trat war het het het ender gestrechten iste de dept. Standard trak components und. Siewei brak zakladni skate skate skate skate skate skate skate skate skate skate skate skate skate		New platform is not close to existing which could increase station staffing costs. New lift to maintain		•Provides additional patterners for table of S- patterners face. Neural face DARN to begin/vertex face DARN to begin/vertex face DARN to be description of the second second second second be assess to userance a algebra bear-darp passengers. This would be assess to userance a langerability affordments, and improve mentional particular to buy the second second bear assess to the buy the second sec		"Commit dipole functions ar mentanded Additional catalogy areas with a more grant and an ordered Stability data net region track to lease deput onto matthee Stability data net region track to lease deput onto matthee		During construction freight services and operations on Oublin fload would be impacted. During operation longer waiking distances would be introduced from the new platform and some or parting spaces lost. Limited construction disruction to passenger rail services
		25	tiland Navan Branch Hardson with southern headshurt to depot		This option combines 22 and 22, and 4 is consequently the most challenging of Option 2 a variant is a most three Option 2 a variant. This is written to 24. CAL stands to 24. A constraint of 24.		New platform is not close to mixing which could increase lation staffing costs New lift to muliifain		************************************		Lorent spectra stretcher auf		During construction freight services and operations on Dubin fixed would be impacted. During operation mould be introduced from would be introduced from would be introduced from the new platform and some or parking spaces lost. Limited construction disruption to passenger rail services

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				Em	ployer's Safety		Public safety	
Technical Annex	Summary of requirements	Option Number	Description of Option	Qualitative appraisal on the safety impacts on IS or railway staff	Rationale	Qualitative appraisal on the safety impacts on the public (road(raik)cycle/pede strian)	Rationale	
				To reduce safety risi maintenance and op To reduce the poter for IE/construction r	is associated with construction errations. Ital for incidents or near-misses cell.	To reduce suffery risks associated with generoper- platforms, public adjacent to the relating and roas platforms, public adjacent to the relating and roas relation the public platform of the such for the re- the public plasmangen, on railway infrastructure. To reduce the potential for conflict between rail a coad users.		
		10	New platform at location of existing service road 4 with new crossover allowing parallel moves from down and up main at the attion approach with no ECS moves to depot is pask		Broadly similar to other options		new platform is constrained to one side by the depot and does not offer easy escape routes.	
		15	New platform at location of existing service read 4 with new depot headshunt to South and with new crossover from down main at the station approach		Broadly similar to other options		new platform is constrained to one side by the depot and does not offer easy escape routes.	
		15	New platform at location of existing service road 4 with new depot headburnt to South and with new crossover from down main at the station approach. Southern headburnt depot arrivals only		Broadly similar to other options		new platform is constrained to one use by the depot and does not offer easy escape rootes.	
Works Around Drogheda MacEnide Station	Provide new turnback infrastructure which dil miet the Tash Service Specification To allow for continued movements of frequent traffic to aid form the Navas Branch. Provide add Isonal DART rolling study stabiling within the DaRT + stabiling strategy.	28	Single Navan Branch Piatform but with no ECS moves to Navan Piatforms		Broadly similar to other options		new platform with escape routes to the new into the car park.	
		ж	Single Navan Granch Platform with southern headshunt to depot		Broadly similar to other options		new platform with escape routes to the near into the car park.	
		и	Island Nevan Branch Platform with no ECS moves to Nevan Platforms		Broadly similar to other options		Island platform increases the maritur of platform interfaces much track, while in this option the platform escape is more constrained.	
		46	sland Navan Branch Piatforn with southern headshurt to depot		Broadly winder to other options.		whend platform increases the number of platform interfaces with track, while in this option with platform encaps is more constances.	

Comparison Criteria Legend Ingenficant comparative advantage over other options Come comparative advantage over other options Comparable to other options / neutral

Comparison Criteria Legend
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				Landscape a	nd Visual Qualitative		Biodiversity	Noi	se and Vibration	Wat	er resources		Archaeology, Architectural and Cultural Heritage		Geology & Soils	Agricultural	and non-agricultural	Air Quality	/ & Climate Change
Technical Annex	Summary of requirements	Option Number	Description of Option	Appraisal of Induces and visual impacts of options based on the sensitive viewpoints	Rationale	Qualitative appraisal on the impact on biodiventity	Reformer	Qualitative appraisa of the potential nois and vibration impac	i e Rationale t	Qualitative appraisal on the potential impacts to surface ground or coastal waters	Rationale	Qualitative appraisa of the potential impacts of propose options on potentia sub surface archaeology and impact on foundations and above ground elements of architectural heritag	r Manue	Qualitative appraisa of the potential of ti proposed options or waste and material neocorces. including the nume of site woo moterials.	d ha Ratonak n	Qualitative appraisal of impacts on valued resources from human/natural origin with value anising for economic or cultural reasons. Assets can be existing utilities or non-renewable resources	Rationale	Qualitative appraisal of air quality and climate impacts both on the operational and construction phases	Rationale
				To avoid / minima amenities, landscap To avoid / minima properties & amenit To avoid / minima hedgenows. To avoid / minima pollution. To provide opport amenity and green i	se impact on designated es, protected trees or views. se visual impact on bis. se removal of trees / se impact from light sublies to enhance the local infrastructure.	•To ensure that th provides opportuni	sublices provided minimums the effects on biochernity of the area and/or net to enhance it.	•To provide a solu levels of noise and	ution which ensures minimum Induction	•To minimise the in opportunities to en waters and associal waters and coastal	npact or provide hance the quality of surface and floodplains, ground waters.	•To minimise the im	get in sakar beilige sak as in belev gevel anbæniget i en an, histor, baldig (historia of ann), tarbitan i belegen ad geta.	 To provide a soli To minimize was 	ution which minimizes total capital carbon. In.	To provide a solution v carbon.	which minimises total capital	•To provide a soluti reduction in greents •To ensure that the enhances the local a	on which comprises a use gas emissions. chosen solution preserves or ir quality
		10	New platform at location of existing service road 4 with new crossover allowing parallel movins from form form form form and up main at the movins from form and up main at the depot in peak		Works within or adjoining entring anlway corride: Determine the other for the second second second for charge to entring indicacy / visual character. No / moirnal loss of trees, hedgerows.		Been compared adversage out of the options (head) consistence which appears appendix 2005 of a spectration service of the options of the option of the option of the options of the options of the options of the options appendix 2005 of the options of the options of the option of the options of the options of the options of the options of the options of the options of the options of the options and options of the options of the options of the options and options of the options of the options of the options and options of the op		Station forther away from a larger number of modernial progenities minimizes noise and vibration		There are no retaining walk proposed with this option which could impact groundwater flow regime		The end of the shares have measurements (): EBOA that a specific regard that it is a strategistic regard to a strategisti		Meny construction related rather than operational considerations - interaction with lines and only including the potential generation of surplus earthwards - material generation of surplus - and the surplus through the construction of the new platform, new founding & IA access), headshuret extension, bridge recombuction and new reads.		Corparable to other options / neutral because very low levels of potential and-stake due to tudge and / or headblust construction		Potential ar quality impacts during construction phase at auxiliary reception to not mentione reception both of leadings of the resulting in a positive on greenbase genes and climate.
		55	New platform at location of existing service noad 4 with new depot headbhurnt to South and with new crossover from down main at the station approach		Direct impact on railway boundary on McGrath's Lawe di visual impact at Neuroum Lodge. Direct impact on McGrath's Lawe Rel Bridge.		The comparative disclosure gain or other spitism, due to constructions related productions, property at design gain any other gravitations region and productions. The property disclosure gain any other gravitational and productions and the production of the spitism and the property disclosure of the production of the production of the production of the spitism of the production of the production of the spitism and the program of the production of the production of the spitism of the production of the production of the production of the production o		Sation further away from a larger number of residential properties minimiaes noise and vibration		Proposed retaining wall may impact groundwater flow regime		All and all and all and all and all and all and all all all all all all all all all al		Maring construction related rather than operational considerations - interaction generation of urgans entropy of the structure generation of urgans entropy of the structure (and potentially constrained land) for results or removal from hits will occur theough the constrained and structure (and potentially constrained and particular to the structure). The structure of the structure of the result of the structure of the structure and and potentially accord hadowith required for this option also.		Comparable to other aptions / neutral because way fee levels of potential and-skie due to trafiga and / or headbluart construction		Potential ar quality impacts during construction phase at annihor receptors but not likely to perverte a significant fixely to perverte a significant electrony of at law resulting in a positive on greerbourse gases and climate.
		ц	New platform at location of existing service nead 4 with new depot headshunt to South and with new crossover from down main at the station supprach. Sauthern headshunt depot arrivals only		Direct impact on railway boundary on McGrath's Lane and visual impact at Newtown Lodge. Direct impact on McGrath's Lane Rail Bridge.		Similar comparation disabilities over other optimes, that is construction related methods with a second se		Station further away from a langer number of residential properties minimus noise and vibration		Proposed retaining wall may impact groundwater flow regime		In an and or phone has been been been been been been been bee		Modely construction related rather than operational considerations : instruction with line day and an including the potential generation of angular earthworks material generation of angular earthworks material for any and the second second second result of removal from site will occur through the construction of the new head-three constrained second head-three constrained wave reads. Due to changes in topography a relationing and and potentially accord head-built required for this option situ.		Comparable to other options / neutral locause no potential land-take due to bridge and / on headblunt construction		Potential air quality impacts during construction phase at sensitive receptors but not likely to generate a significant negative impact. Will improve licitoricy of all line resulting in a positive on greerbase gases and climate.
Works Around Drogheds MacBrids Station	Provide new turnback infrantrustne which will mneet the Train Service Specification To allow for continued movements of freight traffic to and from the Newan Branch. Provide additional DART rolling stock stabling which the Despheda area as per the DART stabling strategy.	28	Single Navan Branch Pietform but with no ECS moves to Navan Pietforms		Direct impact on Dublin Read Rul Bridge adjacent to Beyvlew House.		tions comparation advectage new other options (standy construction related impacts to the logical standard of any other descent standard mapping and the logical standard standard standard standard standard standard stan		Station closer to a larger number of resiductal receils and vehicutan contain and vehicutan. Less extensive track works fifthe sight advantage during the construction phase over the other options		There are no retaining walls propored with this option which could impact groundwater flow regime		The series of the ranking in the instances the setting 1: EDDs had a significant input it is cade, due to placed to determine Dashes and Marian. Structures within Dashesh are in address and classical and address the instances of the method that is an exhibit of the instances. All instances is all instances in the last is an exhibit of the instances of the instances of the instances and the instances of the inst		While comparable with other options from a contractions perspective with the methods of the second so and second second second second so and second second second second so and second second second so and second second second so and second second second so and second second second second so and second second second so and second second second second second second and second second second second second second second second second		Comparable to other options / neutral because way lea leavis of potential suit-state due to trafige and / or headsharet construction		Potential ar quality impacts during construction phase at sensitive receptors but not likely to generate a significant experiment impact. Will improve efficiency of rall line resulting estimates and climate.
		ж	Single Navan Branch Flatžens with southern headshuret to depot		Direct impact on railway boundary on McGorath' Lane and visual myoat at Newtown Lodge. Direct impact on Dubin Read Rail Bridge adjacent to Bayelew House.		See comparative inducional per or generative, due to constructivo related to constructivo de la construcción de la construcció		Station closer to a larger Institute of neudential properties produces more noise and vibration		Proposed retaining wall may impact groundwater flow regime		The anti-of data values in the execution that (1):1820 taid a specification spectra taught to the data builded based based and the data of the data and the data of the data o		While comparable with other options from constructions perspective with the constructions perspective with the traditional stress and the stress stress and construction outlines the stress stress stress construction outlines that and advantages to other another indicated to Bridge widening over the buchth maid. Additionally a new retaining instruction required and antenion of headshutet optiontially increasing the aerthweats requirements.		Comparable to other aptions / neutral because no potential land-take due to bridge and / or headshunt construction		Potential ar quality impacts during construction phase at sensitive receptors but not likely to generate a significant negative impact. Will improve efficiency of all line resulting in a positive on greenbase gases and climate.
		25	lutand Navan Branch Platform with no ECS moves to Navan Platforms		Direct impact on Dublin Road Rail Bridge. Yuwai impact of Retaining Wall on rear of Nos. 1 to 6 Bailway Terrace.		never an opportent of dash-darget area of the splitship, dash is starting-based one-sheld structures. The spectra of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the split of the splitship of the splitship of the splitship of the splitship of the split of the split of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the split of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the split splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the split of the splitship of the splitship of the splitship of the split of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the splitship of the split of the splitship of the splitship of the splitship of the splitship of the splitship of the split of the splitship of the split of the splitship of the splitship of the splitship of the split of the split of the splitship of the split of the splitship of the splitship of the split of		Station closer to a larger number of exidential properties produces more noise and vibration		Proposed retaining well may impact groundwater flow regime		The end of four large in the resteement many (). ISO() taid a performance in the start is the start in the start is the start in the st		While comparable with other options from a constrainting anymouth with constructing a finance analy, are pairforms and industry of a new ranks, are pairforms and industry andoning there is patientially a construction related disabutering to other works related and only patiential impact on lands, and so would need to be further assessed to distriction is it's more or less disabutertageous.		Comparable to other option / neutral becaus very low levels of potential land-take due to bridge and / or headshunt construction		Potential air quality impacts during construction phase at sensitive receptions but not likely to generate a supellatart forgative impact. Will improve fictionicy of rail line resulting in a positive on greenbase gases and climate.
		28	kland Navan Branch Pietlom with southen headshurt to depot		Direct impact on railway boundary on McGorath's Lane and visual mapacit Neuroson Lodge. Data Hai Indge Cablon Band Hai Indge Neuroson Visual Inorean of Neuro. 1 to 6 Railway Terrace.		Since about reports in an any foregraphic has been by potential the solution of the solution of the solution of the solution of the solution of the particle tables. The solution of the solution of the solution of the particle tables, the solution of the solution of the solution of the solution of the solution of the solution of the solution of the parameters are also the solution of the solution of the solution of the solution of the solution of the solution of the solution of the parameters are also the solution of the solution of the solution of the parameters is also the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution of the solution solution of the solution of the solution of the solution of the solution solution of the solutio		Station closer to a larger number of neidential properties produces more noise and vibration		Proposed relaining walk may impact groundwater flow regime		The pends of the scheme shows in the scheme the scheme (), 1260b, ted a graphical impact h Ladie, data is protot location behaves Dubhs well heads. Societane within Dagledation in magnetice movements that eaching streams factors. This spirot will exceeded a ferritory in the scheme to be a s		While comparable with other applicults for construction perspective with the construction of new reads, a new platform and indiges weekers applicationally most in classified to Bridge weekers good and block in block. Addinad y a new reading a most in classified to Bridge weekers good and block in block. Adding a new reading and most in the second of the second headshows; postnetice for a second headshows; postnetice for headshows; postnetice for a second head head head headshows; postnetice for a second head head head head head head head head head head head head		Comparable to other aptions / nuclei be ause aptions / nuclei be auto able due to briege and / or headshutt construction		Potential ar quality impacts during construction phase at mainther receiptons but not likely to generate a significant engelive impact. Will improve efficiency of rail law resulting efficiency of rail law resulting gases and climate.

Some comparative disad Significant comparative of	vantage over other option Rudvantage over other op	stions			Accordibility	scial technologia	
					Accessibility & Si	ocial Inclusion	
Technical Annex	Summary of	Option Number	Description of Option	A Qualitative appraisal of capacity of options to facilitate the movement of people (either within, on to or across the rail system)	Rationale	Qualitative appraisal of capacity of options to provide ease of access for the mobility and visually impaired	Rationale
				Capacity of options people (etther with system) impact on the wellb public. Positive impact on p experience. Improve accessibilit employment, educa to satisfy transport	to facilitate the movement of r, on to or across the rail wing of the passenger and bassenger and public y to key facilities, such as tion, transport and healthcare demand for all trip types.	Positive impact tow Positive impact to d Improvement of ac transport facilities, geographic areas.	ards vulnerable groups inprived geographic areas. wulkilling to public in particular from deprived
		10	New platform at location of existing service road 4 with new crossover allowing parallel moves from down and up main at the station approach with no ECS moves to depot in peak		Construction of a new platform adjacent to the existing platform low easy transfer of passengers and allows passengers easy navigation to their trains		Assessment is based on additional walking distance or crossings (allowing for provision of hitly which must be negotiated by passengers relative to their destination. 3D involves short journey, but bridge crossing.
		16	New platform at location of existing service road 4 with new depot headshunt to South and with new crossover from down main at the station approach		Construction of a new pleform adjacent to the executing platform allow easy transfer of passengers and allows passengers easy navigation to their trains		Assessment is based on additional walking distance or crossings (allowing for provision of lift) which must be negotited by passregers relative to their destination. It involves short journey, but bridge crossing.
		15	New platform at location of existing service road 4 with new depot headshurt to South and with new crossover from down main at the station approach. Southern headshurt depot arrivals only		Construction of a new pleform adjacent to the existing platform allow easy transife of passengers and allows passengers easy navigation to their trains		Assessment Is based on additional walking distance or crossings (allowing for provision of hithy which must be negotiated by passengers relative to their destination. IF Involves short journey, but bridge crossing.
Works Around Droghede MacRisie Station	Provide new turnback infrantoutere which infrantoutere which service Specification To allow for continued movements of freque traffic to and from the Navan Branch. Provide additional DART rolling stock stabling within the Degibed area as page strategy.	28	Single Navan Branch Platform but with no LCS moves to Navan Platforms		The construction of a single platform on the Navan branch of Irread in Daths serving platform. This will read in uncertainty is platform distinguished the service hardwards with a search of the distinguish of the search of the hardwards of the search of the search of the search of the hardwards of the search of the search of the search of the hardwards of the search of the hardwards of the search of the search of t		Assessment In based on additional waiting datance which wrat be negotiated by passengers relative to this destation. 28 involves longer journey. Access to the new platform requires no bridge crossing bud given hold one require a bridge crossing this will negote any accessibility banefit as passengers would see
		×	Single Navan Branch Platform with southern headshurt to dispot		The construction of a single platform on the Navan branch of Irsukin IoMar serving platform. This will reak in uncertainty in platform distinutions for passegers. Turthermose this option includuces attended travel distances for passengen tures/erring services		Assessment In based on Additional walking diatance which result be inogetically passengens relative to their destination. 28 involves ionger powney. Access to the new platform requires no bridge crossing but given that DART services will also use platform 2/3 that does require a bridge crossing this will negate any accessibility benefit a passengers world use
		25	Island Navan Branch Platform with no ECS moves to Navan Platforms		The construction of two new platform faces would allow the majority of DART services to use the Nawn branch platform, allowing paragraph to have a single point for DART services extended travel distances for passengers transferring services		Assessment is based on additional walking dilutance or crossings (allowing for provision of lifty) which must be negatished by passengers relative to their destination. 22 involves insigle DART access point, but involves bridge county, including commer, including commercion to brogheds services.
		35	hland Navan Branch Pathorn with southens headshare to depot		The construction of two new platform faces would allow the majority of OAT services to our the flown basech passengers Lappy to have a night point for DAT services extended travel distances for passengers transferring services		Assessment is based on additional walking diatance or crossings (alowing for provision of lifts) which must be negatised by passegers relative to their distination. 21 involves angle DART access point, but involves hirdger crossing and longer pormer, including connection to Drogheda senders.

Comparison Criteria Legend Egnificant comparative advantage over other options Some comparative advantage over other options

Senificant comparative Some comparative advant Comparable to other options comparable to other options	Comparison Criteria Legen advantage over other option stage over other options sons / neutral leantage over other option	5 1													
Comparative -	warmage Detri other of		•	Integration Discretise Arrival											
				Adaptabili	ty in the future	Transp	ort Integration	Land u	ise integration	Geogr	aphical Integration	Governm	ent policy Integration	Walking /	cycling opportunities
Technical Annex	Summary of requirements	y of Option handless means of particular segments of the second segments of the second segments of the second second segments of the second se		Qualitative appraisal of the options and their impact on integration with other transport modes	Rationale	Qualitative appraisal of the options and their impact on integration with land use policies	Rationale	Qualitative appraisal of the options and their impact on integration with geographical polices	Rationale	Qualitative appraisal of the options and their impact on integration with grographical and government policies	Rationale	Qualitative appraisal of the options and their impact to enable walking and cycling copportunities in a safer ensistement for the communities along the route	Rationale		
				Ability to continue t despite future charq	o function successfully ges in circumstances	Ecopy for and asso of interchange between modes there interchange modes and discittes theirs withing and wait these associated with heterchanges. Integration with the cycle networks Modal which figures during construction and operations. Changes to journey times to transport nodes impacts on the operation of the other transport vervices both during construction and is persistion.		Consistency with land use strategies, regional and local plans		Potential to sepact on external links during construction potential to injusci on external links during appendices. Consideration for any community severance impacts		integration with national and international plans an policies		To enable walking and cycling opportunities in a safer environment in the communities along the route To prace a healthy environment conductive to active Connectivity explosions cycling and predestrian facilities Enhanced connectivity patients in a provide the Enhanced connectivity patients in a provide the Enhanced connectivity patients in the provide the Dominism, durations and impact on purvey times and patient to chrone inside of walk or cycle)	
		10	New platform at location of existing service read 4 with new crossover allowing parallel moves from down and up main at the station approach with no ECS moves to depot in peak		No impact on future transport plans		No impact on other transport modes		The proposal complies with regional and local policies to improve public transport services including DART services, encouraging modal shift and allowing for increased density of development in certain areas. There is no inpact on existing land uses.		All International, national, regional and load policies encourage improvements in relation to the efficiency of public resusport. All the proposed options will facilitate this.		All international, national, regional and local policies encourage improvements in relation to the efficiency of public reprints all the proposed options will facilitate this.		No impact on walking/cycling opportunities
		16	New platform at location of existing service road 4 with new depot headshunt to South and with new crossover from down main at the station approach		No impact on future transport plans		No Impact on other transport modes		The proposal compiles with regional and local policies to improve public transport services including modal shift and allowing modal shift and allowing encounted the second shift development in certain encesting land uses.		Al International, national, regional and load policies resourcage improvements in relation to the efficiency of public transport. All the proposed options will facilitate this.		All international, national, regional and local policies encourage improvements in relation to the efficiency of public response. All the proposed options will facilitate this.		No impact on walking/cycling opportunities
		15	New platform at location of existing service road 4 with new depot head/hunit to South and with new crossover from down rain at the station approach. Southern head/hunit depot arrivals only		No impact on future transport plans		No impact on other transport modes		The proposal complex with regional and local policies to improve public transport services including modal shift and allowing modal shift and allowing for increased density of development in certain eras. The development is contained within the salting enviceof or the rail line. There is no impact on existing land uses.		All International, national, regional and load policies encourage improvements in relation to the efficiency of public improvement. All the proposed options will facilitate this.		All international, national, regional and local policies encourage improvements in relation to the efficiency of public internation. All the proposed options will facilitate this.		No impact on welking/cycling opportunities
Works Around Drogheds MacBride Station	Provide new turnback infrastructure which will meet the Tain Service Specification To allow for continued movements of freque thaffic to and from the Navan Branch. Provide additional DART rolling stock stabiling within the Drogheda area an per the DART + tubling strategy.	28	Single Navan Branch Platform but with no ECS moves to Navan Platforms		No impact on future transport plans		No impact on other transport modes		The proposal complex with regional and local policies to instrone public to instrone public DART services, encouraging control with and allowing for increased density of development in contain areas. There is no impact on exhifting land uses.		Al international, national, regional and local patients encourage improvements in relation to the efficiency of patient resumport. All the proposed options will facilitate this.		All parenational mational, regional medical policies encourage improvements in watarto to the efficance of public regions will facilitate this.		No impact on waiking/cycling opportunities
		26	Single Navan Branch Platform with southern headshurt to depot		No impact on future tran	4	No impact on other transpo		The proposal compiles with regional and local policies to improve public transport services including modal shift and allowing modal shift and allowing for increased density of development in certain evens. The development is contained within the salting envolopment of rafil line. There is no impact on exoiting land uses.		All International, nutional, regional and local polician encourage involvements in relation to the efficiency of public transport. All the progoned options will facilitate this.		All international, national, regional and local policies encourage impovements is natation to the efficiency of public transport. All the proposed options will facilitate this.		No impact on walking/cycling opportunities
		21	bland Navan Branch Platform with no ECS moves to Navan Platforms		No impact on future tran		No impact on other transpo		The proposal complies with regional and local polices transport services including modal shift and allowing modal shift and allowing modal shift and allowing encourage density of development in certain encourage development in certain encoura		All international, national, regional and local policies encourage improvements in relation to the difficiency of public transport. All the proposed options will facilitate this.		All International, national, regional and local policies encourage improvements in neations to the difficurey of public transport. All the proposed options will facilitate this.		No impact on walking/cycling opportunities
		38	kland Navan Branch Pattorn with southern Inaddhunt to depot		No impact on future transport plans		No Impact on other transport modes		The proposal complex with regional and local polcies to instrove public transport services including DART services, including modal shift and allowing for increased density of development in certain areas. There is no impact on existing land uses.		Al international national, regional and loca pations encourage improvements in relation to the efficiency of public resurpcer. All the proposed options will facilitate shis.		All ptermitianal matismal, regional and local patients encourage improvements in relation to the efficancy of public regions will facilitate this.		No inpact on walking/yeling opportunities