Appendix 5.4 Full Construction Programme

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	Activity	Duration	Dependencies	1 2	3 4	5 S	6 7																	34 35	36
	Site Controls	Durution									10			. 20	2.5				20		20 25	50 51	52 55	51 55	
	Set up Main Site Compound and Access Routes	2 months																							
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				<u> </u>																					+
	Water Quality Monitoring																								
		1 month																							
Set in the set of the	Works from N51 to River Boyne																								
			In advance of access/haul road	+																					
				+														_							
			Seasonal Restrictions og hird nesting	+																					
		1 month		<u> </u>																					+
		4 months																							
	Petrol Interceptors and Grit Vortices	2 months								WP3 and															
		1 month	May be seasonal constraints																						
																Gird	ers								
	the northern end of the Boyne bridge	1 month	In advance of works between Earthworks Plug F and the River	+												in P									+
	Construct Temporary Working Platform and sheet nile coffer dam for Bridge Piers	2 months															ace								
	construct remporting monominant sheet pile contri dam for shage rices																								-
	Construct Earthworks Fill - benched into slope for North abutment Working																								
	Platform - provide erosion control geotextile/mat to earthwork fill																								
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	Topsoil Strip, including temporary drainage measures	5 months		<u> </u>															\downarrow						<u> </u>
			5																						1
	Earthworks, including temporary run-off control measures	7 months	programme will include disposal of the majority of this cutting.	+			\vdash												4			<u> </u>	-	<u> </u>	+
	Capping and Erosion control (vegetation) on side slopes	7 months	Will be done in sections to control management of run-off																						\perp
	Drainage	6 months	Will be done in sections to control management of run-off																						
main																									
main	Kerbs	3 months																							
	Footways and Verges	4 months																							
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				+					-									_							+
	Finishings	1 month	Dependent on completion of earthworks, capping and side slope	+																					+
mini and m	Remome Farthworks plug F and progression of earthworks to River Boyne Bridge	2 months																							
			regetation	<u> </u>																					-
add a																									
	Road Restraint systems on section north of River Boyne bridge																								
and matrix and matrix <td>, ,</td> <td></td>	, ,																								
main symmetry main	Signs and road markings on section north of River Boyne bridge	1 month		<u> </u>																					<u> </u>
main symmetry main				+														_							<u> </u>
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abbox	Topsoil Strip, including temporary drainage measures	4 months		+	<u> </u>	-												_							+
spectra carbon logano and shows spectra spect	Earthworks, including temporary run-off control measures	1 months																							
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approx app	Road Restraint systems																								
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y y	Complete temporary access to facilitate bridge construction on South side of the																							1 1	1
instal	river																								
instant 3 (regord 3 be low 1 and 1	Fence off the site	1 month		$+$ $\overline{-}$																					\perp
instant 3 (regord 3 be low 1 and 1	Construct Hard Standings at south abutment and in flood plain area	3 months	Attenuation Pond 2 to be operational																						
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sinced concrete Deck Construction (utilising precate lements) Sinonts con																									1
instruct Permanent Bridge Maintenance Access arrangements1 month1 month	Reinforced Concrete Deck Construction (utilising precast elements)	5 months																				access			1
enove hardstandings and restore areas 1 noth 9 mode 9 mo	Apply waterproofing, road surfacing, parapets, finishes			$+$ $\overline{-}$																			an		\perp
envolve access bridge and reinstate 2 nonth months month	Construct Permanent Bridge Maintenance Access arrangements			+ $+$					-				+		<u> </u>				4					<u> </u>	
re-fabricate Cycle Bridge Off-site 6 months <td></td> <td></td> <td></td> <td>+ $+$ $+$</td> <td><u> </u></td> <td>+</td> <td>\vdash</td> <td></td> <td></td> <td> </td> <td></td> <td> </td> <td>+ +</td> <td></td> <td>+ +</td> <td> </td> <td> - </td> <td></td> <td>+ </td> <td> </td> <td></td> <td></td> <td></td> <td>+</td> <td>+</td>				+ $+$ $+$	<u> </u>	+	\vdash						+ +		+ +		-		+					+	+
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Vorks to South of River Boyne																									

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Activity	Duration Dependencies	1 2	2 3	4	5	6 7	8 9	10 11				15 16					23 24	25 26	27			30 3			34 35	36
Set up site accesses and Temporary traffic management	1 month																									
Fencing	1 month																				-					
Archaeological Investigations	1 month																									
Ecological Surveys	1 month																									
Invasive Species Removal	1 month																									
Set up Water Quality Monitoring System	1 month																									
Water Quality Monitoring	1 month																									
Set up Sediment and Erosion Control Measures	1 month																									
Farm Accommodation Bridge #1	7 months																									
Site Clearence, tree and hedge removal	1 month																				<u> </u>					
Pre-earthworks drainage including Interceptor ditches and Attenuation Pond 1	2 months Attenuation Pond #1 at Southern tie-in - not critical																				<u> </u>					
Diversion of ESB overhead power line	2 months																				<u> </u>					
Petrol Interceptors and Grit Vortices	1 month Attenuation Pond #1 at Southern tie-in - not critical				-			+ $+$										+ $+$		'	-				└──	4
Culverts	1 month Culvert at Southern tie-in - not critical			_														+		'	-				$ \longrightarrow $	+
Topsoil Strip, including temporary drainage measures	10 months Will be done in sections to control management of run-off																				<u> </u>				\vdash	
Earthworks, including temporary drainage measures	10 months Will be done in sections to control management of run-off																									
Construct Temporary Run-off Holding Pond	1 month Necessary due to Rossnaree Road Earthworks Plug																									
Capping and Erosion control (vegetation) on side slopes	10 months Will be done in sections to control management of run-off																									
Drainage	10 months																									
Services	2 months																									
Kerbs	2 months																									
Footways and Verges	2 months																									
Road Restraint systems	1 month																									
Pavement including roundabout excluding Surface course	2 months																									
Signs and Road Markings	2 months Finish after earthworks plug is removed																									
Finishings	2 months Finish after earthworks plug is removed																				4					
Temporary Traffic Management for on road works and tie-ins	2 months																									
Roadworks at tie-ins	2 months																				4				<u> </u>	
Public Lighting	1 month			_																'						
Landscaping	2 months																			'						
Traffic Management Design and Approval to close Rossnaree Road	2 months			_																	_					
Remove Earthworks plug A and progression of earthworks to River Boyne Bridge	4 months Also dependent on relocating access to WP2			_																	<u> </u>				<u> </u>	
Capping and Erosion control (vegetation) on side slopes	4 months			_																						
Drainage on section south of River Boyne bridge	4 months			_																	4				<u> </u>	+
Kerb and footway on section south of River Boyne bridge	2 months			_																	4				<u> </u>	
Road Restraint systems on section south of River Boyne bridge	1 month			_									_					+ +		<u> </u>			_		┢──┤──	
Pavement on section south of River Boyne bridge	2 months			_																					<u> </u>	
Construct Rosnaree Overbridge	7 months			_									_								4 /				┢──┤──	
Complete Mainline Roadworks under Rossnaree Road	4 months			_										_											\vdash	
N51 Works																					<u> </u>					
Temporary Traffic Management Plan for on road works	3 months																				<u> </u>					+
Implement Rolling Traffic Management Control																					<u> </u>					+
Construct Roadworks	10 months Work will be done in sections																									
Construct Footway	10 months Work will be done in sections																									+
Construct Public Lighting	9 months Work will be done in sections																									
Construct Gateway	1 month																							-++		
Construct signs and Lines	1 month				1																<u> </u>					
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