

## **Appendix C – Assessment Matrices**



# CORMAC

## St Agnes to Threemilestone The Saints Trails

### Assessment Matrices

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Consultancy | Engineering Design Group



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## Issue & Revision Record

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# 1 Methodology

- 1.1.1 A workshop was held on the 10th of October 2019 where the sections of the scheme that have more than one option were presented to the project team. The project team included the designers (including ecology and environment team), Sustrans representatives, Client team members (Cornwall Council) and Cormac contracting representatives.
- 1.1.2 The workshop scored each option on a scale of +3 to -3. The scoring of positive to negative followed the pattern of; Major Positive (+3) – Minor Positive (+2) – Slight Positive (+1) – Neutral (0) – Slight Negative (-1) – Minor Negative (-2) – Major Negative (-3).
- 1.1.3 The scoring was carried out on each of the following criteria and added up to provide a final score:
- 1.1.4 Scheme Objectives: Does the option meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user ‘test’. I.e. is it safe, is the grade acceptable, is the surface rideable.....etc.
- Environmental impact: Impacts/ Mitigation and Opportunities for Environmental Growth
  - Impact on Landowners and those immediately adjacent to the route: injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking
  - Buildability and Cost: How simple is the construction and what is the estimated cost.
  - Deliverability: Considerations including planning and legal issues.
- 1.1.5 The following section represents the outcomes of the assessment workshop.



## 2 Assessment Matrices

<b>Section: AT-01 Option: 1A</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	2	Predominantly off carriageway shared use, with some sections of off carriageway. Cycle priority crossings on side roads.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	0	No land take. All within existing highway.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-1	New path is very close to properties that front onto the route. Front doors are adjacent to the path.
Buildability/ Cost		-1	Very disruptive due to the amount of works required in the highway. Utilities anticipated to be a significant issue
Deliverability	Inc planning/ legal	0	No land acquisition required. All within in highway.
	<b>Total (note a score of -3 in any criteria should disqualify an option)</b>	<b>0</b>	

<b>Section: AT-00, AT-01 Option: 1B</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	3	Strong support from the Parish due to the route offering a safe and easy means of travelling to school.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	-1	Route is through open farmland adjacent to ancient hedgerows.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-1	Land is in private ownership.
Buildability/ Cost		2	Very straightforward build through open land. Minimal disruption with the exception of works to install a new road crossing (toucan).
Deliverability	Inc planning/ legal	-1	Will require planning and potential environmental surveys.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>2</b>	

<b>Section: AT-04 Option: 4A</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	3	Direct route continuing on towards the crossing.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	-2	Large number of trees require removal
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	0	Land purchase required but land owner discussions are positive.
Buildability/ Cost		-2	Complicated no-dig construction with geogrids to protect roots of remaining trees.
Deliverability	Inc planning/ legal	-2	Dormice surveys will be required resulting in delay to programme and planning.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>-3</b>	

<b>Section: AT-04 Option: 4B</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	1	Route is not as direct as desired.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	1	No tree removal however some small breaks in hedgerow.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-1	Land negotiation to be had.
Buildability/ Cost		1	Easy access and traditional techniques to construct.
Deliverability	Inc planning/ legal	0	Requires planning.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>2</b>	

<b>Section: AT-05 Option: 5A</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	-1	Multi-use path gives way to carriageway vehicles.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	2	No hedge removal and removal of invasive species.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-1	Requires land for visibility splays.
Buildability/ Cost		-1	Knotweed at crossing point to be dealt with.
Deliverability	Inc planning/ legal	0	Minor impact to carriageway. Traffic management required.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>-1</b>	

<b>Section: AT-05 Option: 5B</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	2	Route gives priority to multi use path over the carriageway.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	-1	Large amount of hedge relocation required to realign carriageway.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-2	Number of landowners required to purchase land for realignment.
Buildability/ Cost		-2	New carriageway construction.
Deliverability	Inc planning/ legal	-1	Requires planning for private land sections.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>-4</b>	



<b>Section: AT-05 Option: 5C</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	0	Multi-use path gives way to vehicles on the carriageway.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	0	Minimal hedge row removal required.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	-1	Land required from private land owners.
Buildability/ Cost		2	Minimal works required to achieve visibility and to construct.
Deliverability	Inc planning/ legal	-1	Requires planning due to land ownership.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>0</b>	

<b>Section: AT-07 to AT-12 Option: 7-12A</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	3	Route has desired width, is direct and achieves required horizontal separation from carriageway.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	-2	Tree removal required.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	0	One land owner affected.
Buildability/ Cost		0	Standard construction and drainage methods.
Deliverability	Inc planning/ legal	-1	Tree removal likely to attract negative comment at planning.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>0</b>	

<b>Section: AT-07 to AT-12 Option:7-12B</b>			
<b>Assessment Criteria</b>	<b>Definition</b>	<b>Assessment Score -3 to +3</b>	<b>Comments/ Rationale</b>
Meets Objectives	Does it meet the objective of providing a safe and continuous high quality route for all users that people will want to use, and meet the unaccompanied 12 year old user "test"	-2	Route does not achieve the required horizontal separation from carriageway.
Environmental	Impacts/ Mitigation and Opportunities for Env Growth	-1	Some tree limbing and tree removal required.
Impact on Landowners and those immediately adjacent to the routes	Injurious affection - impact on land use/ farming operation, access, loss of privacy/ overlooking	0	One landowner affected.
Buildability/ Cost		-1	Geogrids and no-dig solution required to maintain tree roots. Timely and expensive.
Deliverability	Inc planning/ legal	0	Planning required.
	<b>Total (note a score of -3 in any single criteria should disqualify an option)</b>	<b>-4</b>	

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