

Wicklow County Council

**N11/M11 Junction 4 to Junction 14  
Improvement Scheme**

Option Selection Report  
Appendix C9 – Archaeology,  
architectural and cultural heritage

265455-ARP-EHR-SWI-RP-LH-0002

C01 | 6 December 2021

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Job number 265455

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# Document Verification

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# 1 Archaeology, architectural and cultural heritage

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## 1.1 Introduction

This report details the environmental assessment of the Stage 1 Preliminary Options Assessment for the N11/M11 Scheme with respect to the Archaeology, architectural and cultural heritage constraints identified in **Section 9** (Archaeology, architectural and cultural heritage) of **Volume B**.

For the corridor assessment, the overall scheme has been split into two sections, i.e. the Northern Section and the Southern Section and the corridor options assessed are those discussed in **Section 6.1** of **Volume A**.

There are two zones associated with each corridor option referred to in this assessment:

- The potential road “footprint” which is the potential landtake required to construct or improve the road; and
- The road “corridor” which is a 200m wide corridor centred around the alignment centre line for all off-line corridors. For the on-line Corridor Options 1 (North), 1 (South) and 5 (South), the width is variable, but is typically narrower than the width of the off-line corridors. The “footprint” sits inside the “corridor” boundary.

**Section 1.2** details the methodology that was used to carry out the study and **Section 1.3** outlines the assessment criteria which were used. The Stage 1 assessment and summary are presented in **Section 1.4** and references are listed in **Section 1.5**.

## 1.2 Methodology

The Stage 1 Corridor Options Assessment has been carried out with reference to the TII Guidelines for the Assessment of Archaeological Heritage Impacts of National Road Schemes<sup>1</sup> and Assessment of Architectural Heritage Impacts of National Road Schemes<sup>2</sup>, although it should be noted that the guidelines themselves predate the establishment of a preliminary options assessment process.

The methodology used combines an option corridor width of 200m combined with a potential road footprint as displayed on **Figures C9.1-C9.6**.

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<sup>1</sup> Transport Infrastructure Ireland (2005) Guidelines for the Assessment of Archaeological Heritage Impacts of National Road Schemes. Available from: <https://www.tii.ie/technical-services/environment/planning/Guidelines-for-the-Assessment-of-Archaeological-Heritage-Impact-of-National-Road-Schemes.pdf>

<sup>2</sup> Transport Infrastructure Ireland (2005) Guidelines for the Assessment Architectural Heritage Impacts of National Road Schemes. Available from: [https://www.tii.ie/technical-services/environment/planning/Guidelines\\_for\\_the\\_Assessment\\_of\\_Architectural\\_Heritage\\_Impact\\_of\\_National\\_Road\\_Schemes.pdf](https://www.tii.ie/technical-services/environment/planning/Guidelines_for_the_Assessment_of_Architectural_Heritage_Impact_of_National_Road_Schemes.pdf)

This enables a meaningful assessment of potential negative direct and indirect impacts upon the Archaeological, architectural and cultural heritage resource.

It should be noted that Corridor Option 1 (North) and Options 1 (South) and 5 (South) do not have a 200m corridor as these are on-line options with little room for movement. Where Corridor Option 1 (North) includes new infrastructural elements (to the north of Old Connaught Avenue and between Kilcrouney Lane and the N11) a 100m buffer was added to the alignment of the element(s) each side, in order to assess indirect impacts to the setting of surrounding archaeological, architectural and cultural heritage assets.

A direct impact occurs where an asset is within the potential road footprint of a corridor option. An indirect impact occurs where the asset is within the 200m wide corridor of a corridor option, or within the 100m buffer of the new infrastructural elements of Corridor Option 1 (North).

Measurements are taken from the edge of the potential road footprint to the upstanding remains of a site or structure, or to the edges of features/monuments seen through aerial photography. Where there are no upstanding remains, the measurement is taken from the edge of the potential road footprint to the centre of the site. These measurements are noted as “Distance from Option” in the assessment tables herein.

The area of greenfield land within each potential road footprint and corridor has been calculated to assist in the assessment of the likelihood of impacts to previously unrecorded archaeological remains.

Potential impacts on key constraints have been assessed, including recorded monuments, protected structures, NIAH structures and designed landscapes.

### 1.3 Assessment criteria

The TII Project Appraisal Guidelines for National Roads (PAG) Unit 7.0 - Multi Criteria Analysis<sup>3</sup> (hereafter referred to as the TII PAG) was used as a basis for the assessment of potential impacts on the archaeological, architectural and cultural heritage resource. Impacts were assessed on a scale of 1 – 7 as follows:

- 7 – Major or highly positive;
- 6 – Moderately positive;
- 5 – Minor or slightly positive;
- 4 – Not significant or neutral;
- 3 – Minor or slightly negative;
- 2 – Moderately negative; or
- 1 – Major or highly negative.

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<sup>3</sup> Transport Infrastructure Ireland (2016) Project Appraisal Guidelines for National Roads Unit 7.0 - Multi Criteria Analysis. Available from: <https://www.tiipublications.ie/library/PE-PAG-02031-01.pdf>

The assessment was informed by the Environmental Protection Agency (EPA) Draft Guidelines on the Information to be Contained in Environmental Impact Assessment Reports<sup>4</sup>. Specifically, the significance of effects, as detailed in **Table 3.3** of that document, have been aligned with those impacts described above as follows:

Table 1.1: Alignment of TII<sup>3</sup> and EPA Impact Guidelines<sup>4</sup>

TII Guidelines	EPA Guidelines
Not significant or neutral	Imperceptible
	Not significant
Minor or slightly negative	Slight
Moderately negative	Moderate
	Significant
Major or highly negative	Very significant
	Profound

Due to the more condensed nature of the TII scale of negative impacts in comparison with that provided by the EPA, i.e., TII scale has four levels, EPA scale has seven levels, the impact assessment detailed in **Section 1.4** remains high level at this stage.

## 1.4 Stage 1 corridor options assessment

**Table 1.2** to **Table 1.5** detail the potential impacts of each corridor option for the Northern Section on the known archaeological, architectural and cultural heritage resources. A summary of the impacts across each corridor is then presented in **Table 1.6**, together with an average impact score and ranking of each option from ‘Preferred’ to ‘Intermediate’ to ‘Least Preferred’.

Table 1.2: Corridor Option 1 (North) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 38	Pier/Jetty*	No	0m	Neutral	Neutral
AH 52	Mound.	Yes	0m	Direct	Major negative
AH 18/45/46	Burial ground, graveslabs, crosses	Yes	To immediate east	Indirect	Moderate negative

<sup>4</sup> Environmental Protection Agency (2017) Draft Guidelines on Information to be Contained within an Environmental Impact Assessment. Available from: **Error! Hyperlink reference not valid.** <https://www.epa.ie/publications/monitoring--assessment/assessment/draft-guidelines-on-the-information-to-be-contained-in-environmental-impact-asse.php>

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 53/54/55	Church, graveyard, bullaun stone	Yes	To immediate west	Indirect	Minor Negative
AH 116	Burnt mound**	No	0m	Direct	Moderate negative
AH 125	Excavation - miscellaneous. A small burnt area*	No	0m	Neutral	Neutral
AH 128	Kiln*	No	0m	Neutral	Neutral
BH 8	Wingfield House	Yes	15m southwest	Indirect	Major negative
BH 12	Small, gingerbread house in a tudor-gothic revival style	Yes	0m	Direct	Major negative
BH 13	Hollybrook House & stables	Yes	40m east from house. 0m from stables	Indirect	Major negative
BH 14	Gates by W.V.Morrison.	Yes	0m	Direct	Major negative
BH 121	Wilford House	Yes	19m north	Indirect	Moderate negative
BH 142	Walled garden of Old Connaught House	Yes	3m west	Indirect	Minor negative
BH 190	Kilcrouney House gate lodge	No	0m	Direct	Major negative
BH 191	Glencormick House gate lodge	No	0m	Direct	Major negative
BH 195	Monument	No	0m	Direct	Not significant
BH 286	Cuilin gates railings walls	No	0m	Direct	Major negative
DL 17	Sherrington demesne	No	0m	Direct	Not significant
DL 18	Crinken demesne	No	0m	Direct	Not significant

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 19	Ballybridge Cottage demesne	No.	0m	Direct	Not significant
DL 20	Ellenstie demesne	No. Principal structure on RPS BH 107	0m	Direct	Not significant
DL 22	Silvermount demesne	No. Principal structure on RPS BH 169	0m	Direct	Not significant
DL 24	Woodbrook demesne	No. Principal structure on RPS BH 161	0m	Direct	Not significant
DL 27	Moatfield House Old Connaught House demesne	No. Principal structure on RPS BH 125	0m	Direct	Moderate negative
DL 33	Shankill demesne	No	0m	Direct	Not significant
DL 35	Thorn Hill demesne	No. Principal structure on RPS BH 122	0m	Direct	Not significant
DL 36	Palermo demesne	No	0m	Direct	Not significant
DL 75	Wingfield demesne	No. Principal structure on RPS BH 8	0m	Direct	Moderate negative
DL 76	Hollybrook demesne	No. Principal structure on RPS BH 13	0m	Direct	Moderate negative
DL 77	St Valery demesne	No. Principal structure on RPS BH 76	0m	Direct	Minor negative
DL 86	Wilfort House demesne	No. Principal structure on RPS BH 121	0m	Direct	Minor negative
DL 89	Glencormick	No	0m	Direct	Minor Negative
DL 91	Violet Hill	No. Principal structure on RPS BH 2	0m	Direct	Minor Negative
DL 92	Riversdale	No	0m	Neutral	Neutral
DL 93	La-Vellee	No	0m	Neutral	Neutral
DL 96	Vallombrosa	No. Principal structure on RPS BH 157	0m	Direct	Minor Negative



Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 97	Kilcronee	No. Principal structure in RPS BH 20	0m	Direct	Minor Negative

\* Excavated

\*\* Partially excavated

Table 1.3: Corridor Option 2 (North) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 53/54/55	Church, graveyard, bullaun stone	Yes	To immediate west	Indirect	Minor Negative
AH 116	Burnt mound**	No	0m	Direct	Moderate negative
AH 125	Excavation - miscellaneous. A small burnt area*	No	0m	Neutral	Neutral
AH 128	Kiln*	No	0m	Neutral	Neutral
AH 38	Pier/Jetty*	No	0m	Neutral	Neutral
AH 52	Mound	Yes	0m	Direct	Major negative
BH 121	Wilford House	Yes	19m north	Indirect	Moderate negative
BH 142	Walled garden of Old Connaught House	Yes	3m west	Indirect	Minor negative
BH 190	Kilcronee House gate lodge	No	0m	Direct	Major negative
BH 191	Glencormick House gate lodge	No	0m	Direct	Major negative
BH 286	Cuilin gates railings walls	No	0m	Direct	Major negative
DL 17	Sherrington demesne	No	0m	Direct	Not significant
DL 18	Crinken demesne	No	0m	Direct	Not significant
DL 19	Ballybridge Cottage demesne	No.	0m	Direct	Not significant

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 20	Ellenstie demesne	No. Principal structure on RPS BH 107	0m	Direct	Not significant
DL 22	Silvermount demesne	No. Principal structure on RPS BH 169	0m	Direct	Not significant
DL 24	Woodbrook demesne	No. Principal structure on RPS BH 161	0m	Direct	Not significant
DL 27	Moatfield House Old Connaught House demesne	No. Principal structure on RPS BH 125	0m	Direct	Moderate negative
DL 33	Shankill demesne	No	0m	Direct	Not significant
DL 35	Thorn Hill demesne	No. Principal structure on RPS BH 122	0m	Direct	Not significant
DL 36	Palermo demesne	No	0m	Direct	Not significant
DL 75	Wingfield demesne	No. Principal structure on RPS BH 8	0m	Direct	Moderate negative
DL 76	Hollybrook demesne	No. Principal structure on RPS BH 13	0m	Direct	Minor negative
DL 77	St Valery demesne	No. Principal structure on RPS BH 76	0m	Direct	Minor negative
DL 78	Dargle Cottage demesne	No	0m	Direct	Minor negative
DL 86	Wilfort House demesne	No. Principal structure on RPS BH 121	0m	Direct	Minor negative
DL 89	Glencormick	No	0m	Direct	Minor Negative
DL 92	Riversdale	No	0m	Neutral	Neutral
DL 93	La-Vellee	No	0m	Neutral	Neutral
DL 96	Vallombrosa	No. Principal structure on RPS BH 157	0m	Direct	Minor Negative
DL 97	Kilcronev	No. Principal structure in RPS BH 20	0m	Direct	Moderate Negative

\* Excavated

\*\* Partially excavated

Table 1.4: Corridor Option 3 (North) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	73m west	Indirect	Neutral
AH 38	Pier/Jetty*	No	0m	Neutral	Neutral
AH 52	Mound	Yes	0m	Direct	Major negative
AH 115	Hearth*	No	0m	Neutral	Neutral
BH 8	A two-storey, mid-18th century house	Yes	2m west	Indirect	Major negative
BH 20	Kilcroney House.	Yes	1m east	Indirect	Major negative
BH 121	Wilford House	Yes	19m north	Indirect	Moderate negative
BH 142	Walled garden of Old Connaught House	Yes	3m west	Indirect	Minor negative
BH 190	Kilcroney House gate lodge	No	39m east	Indirect	Moderate negative
BH 286	Cuilin gates railings walls	No	0m	Direct	Major negative
DL 17	Sherrington demesne	No	0m	Direct	Not significant
DL 18	Crinken demesne	No	0m	Direct	Not significant
DL 19	Ballybridge Cottage demesne	No.	0m	Direct	Not significant
DL 20	Ellenstie demesne	No. Principal structure on RPS BH 107	0m	Direct	Not significant
DL 22	Silvermount demesne	No. Principal structure on RPS BH 169	0m	Direct	Not significant
DL 24	Woodbrook demesne	No. Principal structure on RPS BH 161	0m	Direct	Not significant

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 27	Moatfield House Old Connaught House demesne	No. Principal structure on RPS BH 125	0m	Direct	Moderate negative
DL 33	Shankill demesne	No	0m	Direct	Not significant
DL 35	Thorn Hill demesne	No. Principal structure on RPS BH 122	0m	Direct	Not significant
DL 36	Palermo demesne	No	0m	Direct	Not significant
DL 75	Wingfield demesne	No. Principal structure on RPS BH 8	0m	Direct	Major negative
DL 76	Hollybrook demesne	No. Principal structure on RPS BH 13	0m	Direct	Moderate negative
DL 77	St Valery demesne	No. Principal structure on RPS BH 76	0m	Direct	Not significant
DL 78	Dargle Cottage demesne	No	52m west	Neutral	Neutral
DL 84	Grove House demesne	No	0m	Direct	Minor negative
DL 86	Wilfort House demesne	No. Principal structure on RPS BH 121	0m	Direct	Minor negative
DL 92	Riversdale	No	0m	Neutral	Neutral
DL 93	La-Vellee	No	0m	Neutral	Neutral
DL 96	Vallombrosa	No. Principal structure on RPS BH 157	0m	Direct	Minor Negative
DL 97	Kilcronee	No. Principal structure in RPS BH 20	0m	Direct	Major Negative

\* Excavated

\*\* Partially excavated

Table 1.5: Corridor Option 4 (North) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	73m west	Indirect	Neutral

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 18/45/46	Burial ground, graveslabs, crosses	Yes	To immediate east	Indirect	Moderate negative
AH 38	Pier/Jetty*	No	0m	Neutral	Neutral
AH 52	Mound	Yes	0m	Direct	Major negative
AH 115	Hearth*	No	0m	Neutral	Neutral
BH 12	Hollybrook Gate Lodge.	Yes	0m	Direct	Major negative
BH 13	Hollybrook House	Yes	30m northwest	Indirect	Moderate negative
BH 121	Wilford House	Yes	19m north	Indirect	Moderate Adverse
BH 142	Walled garden of Old Connaught House	Yes	3m west	Indirect	Minor Adverse
BH 190	Kilcronney House gate lodge	No	0m	Direct	Major negative
BH 195	Monument 1980 - 2000	No	0m	Direct	Neutral
BH 286	Cuilin gates railings walls	No	0m	Direct	Major negative
DL 17	Sherrington demesne	No	0m	Direct	Not significant
DL 18	Crinken demesne	No	0m	Direct	Not significant
DL 19	Ballybridge Cottage demesne	No.	0m	Direct	Not significant
DL 20	Ellenstie demesne	No. Principal structure on RPS BH 107	0m	Direct	Not significant
DL 22	Silvermount demesne	No. Principal structure on RPS BH 169	0m	Direct	Not significant
DL 24	Woodbrook demesne	No. Principal structure on RPS BH 161	0m	Direct	Not significant
DL 27	Moatfield House Old Connaught House demesne	No. Principal structure on RPS BH 125	0m	Direct	Moderate negative

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 33	Shankill demesne	No	0m	Direct	Not significant
DL 35	Thorn Hill demesne	No. Principal structure on RPS BH 122	0m	Direct	Not significant
DL 36	Palermo demesne	No	0m	Direct	Not significant
DL 75	Wingfield demesne	No. Principal structure on RPS BH 8	0m	Direct	Not significant
DL 76	Hollybrook demesne	No. Principal structure on RPS BH 13	0m	Direct	Major negative
DL 84	Grove House demesne	No	0m	Direct	Minor negative
DL 86	Wilfort House demesne	No. Principal structure on RPS BH 121	0m	Direct	Minor negative
DL 91	Violet Hill	No. Principal structure on RPS BH 2	0m	Direct	Minor Negative
DL 92	Riversdale	No	0m	Neutral	Neutral
DL 93	La-Vellee	No	0m	Neutral	Neutral
DL 96	Vallombrosa	No. Principal structure on RPS BH 157	0m	Direct	Minor Negative
DL 97	Kilcronev	No. Principal structure in RPS BH 20	0m	Direct	Minor Negative

\* Excavated

\*\* Partially excavated

Table 1.6: Summary assessment table Northern Section

Assessment Criteria	Corridor Option 1 (North)	Corridor Option 2 (North)	Corridor Option 3 (North)	Corridor Option 4 (North)
Impacts to number of sites subject to statutory protection	Major negative: <b>5</b> Moderate negative: <b>3</b> Minor Negative: <b>2</b> Not significant: <b>0</b>	Major negative: <b>1</b> Moderate negative: <b>1</b> Minor Negative: <b>2</b> Not significant: <b>0</b>	Major negative: <b>3</b> Moderate negative: <b>1</b> Minor Negative: <b>1</b> Not significant: <b>4</b>	Major negative: <b>2</b> Moderate negative: <b>4</b> Minor Negative: <b>1</b> Not significant: <b>4</b>
Impacts to number of sites not subject to statutory protection	Major negative: <b>3</b> Moderate negative: <b>4</b> Minor Negative: <b>7</b> Not significant: <b>13</b>	Major negative: <b>3</b> Moderate negative: <b>4</b> Minor Negative: <b>6</b> Not significant: <b>12</b>	Major negative: <b>3</b> Moderate negative: <b>4</b> Minor Negative: <b>3</b> Not significant: <b>12</b>	Major negative: <b>3</b> Moderate negative: <b>1</b> Minor Negative: <b>5</b> Not significant: <b>13</b>
Greenfield areas within corridor	799955 m <sup>2</sup>	878354 m <sup>2</sup>	1306769 m <sup>2</sup>	1208295 m <sup>2</sup>
Qualitative Assessment	Major impacts to a range of statutorily protected heritage assets and to those not subject to protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas	Major impacts to a range of statutorily protected heritage assets and to those not subject to protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas	Major impacts to a range of statutorily protected heritage assets and to those not subject to protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas	Major impacts to a range of statutorily protected heritage assets and to those not subject to protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas

Assessment Criteria	Corridor Option 1 (North)	Corridor Option 2 (North)	Corridor Option 3 (North)	Corridor Option 4 (North)
	Major or highly negative	Major or highly negative	Major or highly negative	Major or highly negative
Overall Score / Impact Level	1	1	1	1
Preference	Intermediate	Preferred	Intermediate	Intermediate

Corridor Option 2 (North) is the preferred northern option due to the least number of major impacts to statutorily protected heritage assets (one major impact for Corridor Option 2 (North) versus five major for Corridor Option 1 (North), three major for Corridor Option 3 and two major for Corridor Option 4 (North) and having a lower impact on greenfield areas in comparison to Corridor Options 3 (North) and 4 (North).

Corridor Options 1 (North), 3 (North) and 4 (North) are considered to be of intermediate preference, this is owing to the fact that all options have a greater impact on statutorily protected heritage assets than Corridor Option 2 (North). Corridor Options 3 (North) and 4 (North) impact on similar sized greenfield areas and therefore are considered to have equal potential to impact on previously undiscovered archaeological remains. Corridor Option 1 (North) has the lowest impact on greenfield areas and is largely on-line, therefore has the least impact on the previously undiscovered archaeological remains.

It should be noted for all options that, should it be possible to mitigate impacts through design, the above impact assessments would be subject to change.

**Table 1.7** to **Table 1.11** detail the potential impacts of each corridor option for the Southern Section on the known archaeological, architectural and cultural heritage resource. A summary of the impacts across each corridor is then presented in **Table 1.12**, together with an average impact score and ranking of each option from ‘Preferred’ to ‘Intermediate’ to ‘Least Preferred’.

Table 1.7: Corridor Option 1 (South) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. From option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	Immediately adjacent	Indirect	Moderate negative
AH 115	Hearth*	No	0m	Neutral	Neutral
AH 130	Fulacht fia**	No	0m	Direct	Moderate negative



Site Ref.:	Name:	Statutory Protection?	Dist. From option:	Impact Type:	Potential Impact level:
AH 247	Fulacht fia**	No	0m	Direct	Moderate negative
AH 309	Ring-ditch*	No	0m	Neutral	Neutral
AH 312	Fulacht fia*	No	0m	Neutral	Neutral
AH 325	Habitation site*	No	0m	Neutral	Neutral
AH 327	Fulacht fia*	No	0m	Neutral	Neutral
BH 212	Drummin Lodge	No	To immediate east	Indirect	Moderate negative
DL 46	Mt Kennedy Demesne	No. Principal structure on RPS BH 42	0m	Direct	Moderate negative
DL 50	Kiltimon demesne	No. Principal structure on RPS BH 73	0m	Direct	Not significant
DL 63	Bromley House demesne	No. Principal structure on RPS BH 38	0m	Direct	Minor negative
DL 64	Downs Lodge demesne	No	0m	Direct	Not significant
DL 65	Bellevue Demesne	No.	0m	Direct	Not significant
DL 83	Belfield House demesne	No. Principal structure on RPS BH 33	0m	Direct	Not significant
DL 84	Grove House demesne	No	0m	Direct	Minor negative

\* Excavated

\*\* Partially excavated

Table 1.8: Corridor Option 2 (South) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	62m west	Indirect	Minor negative

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 50	A rectangular enclosure	Yes	5m west	Indirect	Moderate negative
AH 61	Fulacht fia*	No	17m west	Neutral	Neutral
AH 92	Church.	Yes	0m	Direct	Major negative
AH 93	Bullaun stone.	Yes	0m	Direct	Major negative
AH 94	Graveyard.	Yes	0m	Direct	Major negative
AH 115	Hearth*	No	0m	Direct	Neutral
AH 207	Burnt pit*	No	20m west	Neutral	Neutral
AH 208	Fulacht fia*	No	0m	Neutral	Neutral
AH 309	Ring-ditch*	No	0m	Neutral	Neutral
AH 312	Fulacht fia*	No	0m	Neutral	Neutral
AH 325	Habitation site*	No	0m	Neutral	Neutral
AH 327	Fulacht fia*	No	0m	Neutral	Neutral
DL 43	Tinnapark Demesne	No. Principal structure on RPS BH 78	0m	Direct	Major negative
DL 44	Tooman House Demesne	No	0m	Direct	Major negative
DL 46	Mt Kennedy Demesne	No. Principal structure on RPS BH 42	0m	Direct	Major negative
DL 50	Kiltimon demesne	No. Principal structure on RPS BH 73	0m	Direct	Not significant
DL 83	Belfield House Demesne	No. Principal structure on RPS BH 33	0m	Direct	Minor negative
DL 84	Grove House Demesne	No	0m	Direct	Minor negative

\* Excavated

\*\* Partially excavated

Table 1.9: Corridor Option 3 (South) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	Immediately adjacent	Indirect	Moderate negative
AH 247	Fulacht fiadh**	No	0m	Direct	Moderate negative
AH 309	Ring-ditch*	No	0m	Neutral	Neutral
AH 312	Fulacht fia*	No	0m	Neutral	Neutral
AH 325	Habitation site*	No	0m	Neutral	Neutral
AH 327	Fulacht fia*	No	0m	Neutral	Neutral
DL 46	Mt Kennedy Demesne	No. Principal structure on RPS BH 42	0m	Direct	Moderate negative
DL 50	Kiltimon demesne	No. Principal structure on RPS BH 73	0m	Direct	Not significant
DL 63	Bromley House demesne	No. House in RPS BH 38	0m	Direct	Minor negative
DL 65	Bellevue Demesne	No.	0m	Direct	Major negative
DL 83	Belfield House Demesne	No. Principal structure on RPS BH 33	0m	Direct	Minor negative

\* Excavated

\*\* Partially excavated

Table 1.10: Corridor Option 4 (South) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20, 89, 90, 91	Church, graveyard, ecclesiastical enclosure, building	Yes	Immediately adjacent	Indirect	Moderate negative
AH 89	Church.	Yes	15m northeast	Indirect	Moderate negative

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 90	Ecclesiastical enclosure.	Yes	0m	Direct	Moderate negative
AH 91	Building.	Yes	15m northeast	Indirect	Moderate negative
AH 247	Fulacht fiadh**	No	0m	Direct	Moderate negative
AH 309	Ring-ditch*	No	0m	Neutral	Neutral
AH 312	Fulacht fia*	No	0m	Neutral	Neutral
AH 325	Habitation site*	No	0m	Neutral	Neutral
DL 46	Mt Kennedy Demesne	No. Principal structure on RPS BH 42	0m	Direct	Moderate negative
DL 50	Kiltimon demesne	No. Principal structure on RPS BH 73	0m	Direct	Not significant
DL 63	Bromley House demesne	No. House in RPS BH 38	0m	Direct	Minor negative
DL 65	Bellevue Demesne	No.	0m	Direct	Major negative
DL 83	Belfield House Demesne	No. Principal structure on RPS BH 33	0m	Direct	Minor negative

\* Excavated

\*\* Partially excavated

Table 1.11: Corridor Option 5 (South) assessment

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 20	Ancient burial ground	Yes	0m	Direct	Moderate negative
AH 90	Ecclesiastical enclosure	Yes	0m	Direct	Moderate negative
AH 115	Hearth*	No	0m	Neutral	Neutral

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
AH 130	Fulacht fia**	No	0m	Direct	Moderate negative
AH 247	Fulacht fia**	No	0m	Direct	Moderate negative
AH 309	Ring-ditch*	No	0m	Neutral	Neutral
AH 312	Fulacht fia*	No	0m	Neutral	Neutral
AH 325	Habitation site*	No	0m	Neutral	Neutral
AH 327	Fulacht fia*	No	0m	Neutral	Neutral
BH 212	Drummin Lodge	No	To immediate east	Indirect	Moderate negative
DL 46	Mt Kennedy Demesne	No. Principal structure on RPS BH 42	0m	Direct	Moderate negative
DL 50	Kiltimon demesne	No. Principal structure on RPS BH 73	0m	Direct	Not significant
DL 63	Bromley House demesne	No. Principal structure on RPS BH 38	0m	Direct	Minor negative
DL 64	Downs Lodge demesne	No	0m	Direct	Not significant
DL 65	Bellevue Demesne	No.	0m	Direct	Not significant
DL 83	Belfield House demesne	No. Principal structure on RPS BH 33	0m	Direct	Not significant

Site Ref.:	Name:	Statutory Protection?	Dist. from option:	Impact Type:	Potential Impact level:
DL 84	Grove House demesne	No	0m	Direct	Minor negative

\* Excavated

\*\* Partially excavated

Table 1.12: Summary assessment table Southern Section

Assessment Criteria	Corridor Option 1 (South)	Corridor Option 2 (South)	Corridor Option 3 (South)	Corridor Option 4 (South)	Corridor Option 5 (South)
Impacts to number of sites subject to statutory protection	Major negative: 0 Moderate negative: 1 Minor Negative: 0 Not significant: 0	Major negative: 3 Moderate negative: 1 Minor Negative: 0 Not significant: 0	Major negative: 0 Moderate negative: 1 Minor Negative: 0 Not significant: 0	Major negative: 0 Moderate negative: 1 Minor Negative: 0 Not significant: 0	Major negative: 0 Moderate negative: 2 Minor Negative: 0 Not significant: 0
Impacts to number of sites not subject to statutory protection	Major negative: 0 Moderate negative: 4 Minor Negative: 2 Not significant: 4	Major negative: 3 Moderate negative: 0 Minor Negative: 2 Not significant: 1	Major negative: 1 Moderate negative: 2 Minor Negative: 2 Not significant: 1	Major negative: 1 Moderate negative: 2 Minor Negative: 2 Not significant: 1	Major negative: 0 Moderate negative: 4 Minor Negative: 2 Not significant: 4
Greenfield areas within corridor	864840 m <sup>2</sup>	1694621 m <sup>2</sup>	1459385 m <sup>2</sup>	1554262 m <sup>2</sup>	910996 m <sup>2</sup>
Qualitative Assessment	Moderate impacts to statutorily protected heritage assets and major impacts to those not subject to	Major impacts to a range of statutorily protected heritage assets and to those not subject to	Major impacts to a range of heritage assets not subject to protection at this time. Potential impact to	Moderate impacts to statutorily protected heritage assets and major impacts to those not subject to	Moderate impacts to statutorily protected heritage assets and major impacts to those not subject to

Assessment Criteria	Corridor Option 1 (South)	Corridor Option 2 (South)	Corridor Option 3 (South)	Corridor Option 4 (South)	Corridor Option 5 (South)
	protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas  Moderately negative	protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas  Major or highly negative	previously unrecorded archaeological remains within greenfield areas  Major or highly negative	protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas  Major or highly negative	protection at this time.  Potential impact to previously unrecorded archaeological remains within greenfield areas  Moderately negative
Overall Score / Impact Level	2	1	1	1	2
Preference	Preferred	Least Preferred	Intermediate	Intermediate	Preferred

Corridor Options 1 (South) and 5 (South) are the preferred options for the Southern Section, these are on-line corridor options with no potential major impacts to archaeological, architectural or cultural heritage assets. Corridor Options 1 (South) and 5 (South) also have the least new landtake required for the construction of the proposed scheme, therefore having the least likely impact on previously unknown archaeological sites.

Corridor Option 3 (South) and 4 (South) are considered to be of intermediate preference, as these options have no potential major impacts to sites subject to statutory protection. Both options have a large greenfield area, therefore there is a high likelihood of impacting previously undiscovered archaeology.

Corridor Option 2 (South) is the least preferred of the southern options due to the frequency of potentially major and moderate impacts to the archaeological, architectural and cultural heritage resource. Corridor Option 2 (South) also has the highest area of greenfield to be impacted, resulting in a higher likelihood of impacting previously undiscovered archaeology.

It should be noted for all options that, should it be possible to mitigate impacts through design, the above impact assessments would be subject to change.

## 1.5 References

Environmental Protection Agency (2017) Draft Guidelines on Information to be Contained within an Environmental Impact Assessment. Available from: <https://www.epa.ie/publications/monitoring--assessment/assessment/draft-guidelines-on-the-information-to-be-contained-in-environmental-impact-asse.php>

Transport Infrastructure Ireland (2005) Guidelines for the Assessment Architectural Heritage Impacts of National Road Schemes. Available from: [https://www.tii.ie/technical-services/environment/planning/Guidelines\\_for\\_the\\_Assessment\\_of\\_Architectural\\_Heritage\\_Impact\\_of\\_National\\_Road\\_Schemes.pdf](https://www.tii.ie/technical-services/environment/planning/Guidelines_for_the_Assessment_of_Architectural_Heritage_Impact_of_National_Road_Schemes.pdf)

Transport Infrastructure Ireland (2016) Project Appraisal Guidelines for National Roads Unit 7.0 - Multi Criteria Analysis. Available from: <https://www.tiipublications.ie/library/PE-PAG-02031-01.pdf>