

National Asset Delivery Technical Surveys and Testing

Scope for 605746-005 A14 J 45-J 44 WB Bury St Edmunds Resurfacing

Ground Penetrating Radar Survey

CONTENTS AMENDMENT SHEET

Amend. No.	Revision No.	Amendments	Initials	Date
0	0	Original version issued with tender	JK	12/11/20

TABLE OF CONTENTS

1 DESCRIPTION OF THE *SERVICES* 4

2 EXISITING INFORMATION..... Error! Bookmark not defined.

3 CONSTRAINTS ON HOW THE CONSULTANT PROVIDES THE *SERVICES* .. 5

4 REQUIREMENTS FOR THE PROGRAMME 7

5 SERVICES AND OTHER THINGS PROVIDED BY THE *CLIENT*..... 8

6 SPECIFICATION FOR THE *SERVICES* 8

LIST OF ANNEXES

- Appendix 1 Supplementary Constraints**
- Appendix 2 Location Plans and *SERVICES* extents**
- Appendix 3 GPR Survey Schedules**

1 DESCRIPTION OF THE *SERVICES*

1.1 Project objectives

- 1.1.1 The principal objective of this project is to carry out pavement investigations at A14 westbound J 45 to J 44 Bury St Edmunds.
- 1.1.2 The specification that applies to the *services* is included in Section 6

1.2 Scope of *services*

- 1.2.1 The *services* to be provided under this contract are:
 - (1) All site *services* to be undertaken in accordance with the requirements set out in DMRB CS 229. Carry out Ground Penetrating Radar (GPR) survey in lane 1 and 2.

1.3 Deliverables

- 1.3.1 The *Consultant* is required to produce the following deliverables:
 - (1) All reporting to be in accordance with the requirements set out in DMRB CS 229 and Highways England network referencing and nominated directions.
 - (2) Produce a report for GPR in excel (in 1m averages of layer thickness) and an interpretation of material deterioration, voiding and a separate report on layer moisture.
 - (3) All results to be supplied in electronic format and in accordance with DMRB CS 229 and Highways England network referencing and nominated directions.

2 EXISTING INFORMATION

- 2.1.1 Schedule of GPR locations and lengths is provided in Appendix 3.
- 2.1.2 The Drawings relevant to this contract are supplied in the appendices to this Scope Information. Refer to the site information for details of existing site conditions including ground conditions, limitation on access, position of existing structures etc.

3 CONSTRAINTS ON HOW THE *CONSULTANT* PROVIDES THE *SERVICES*

3.1 General

- 3.1.1 The *Consultant* Provides the Services in such manner as to minimise the risk of damage or disturbance to or destruction of third-party property.
- 3.1.2 The *Consultant* complies with the constraints and meets with the requirements outlined in Appendix 1.
- 3.1.3 The *Consultant* submits information detailing how the *Consultant* will provide the Services to the *Client* prior to the services commencing. This information will include any lifting plans, risk assessments, method statements, the *Consultant's* staff training information and any other relevant Health and Safety requirements.

3.2 Working hours & site-specific constraints

- 3.2.1 The *Consultant's* working hours for site works shall be 8.00pm to 6.00am, Monday to Friday (starting from Monday night at 8.00pm and ending on Saturday morning at 6.00am). Start and completion dates are anticipated to be between 1st February 2021 to 4th February 2021.
- 3.2.2 All work on main carriageway and associated slip roads and lay-bys.
- 3.2.3 Traffic management to be provided by Construction Works Framework.

3.3 Health, Safety and Environment & Risk Management

Health and Safety requirements

- 3.3.1 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints in relation to health and safety duties.
- 3.3.2 When implemented, the *Consultant* shall comply with the requirements of Highways England's safety passport scheme and ensure that all his employees, and any of his subcontractor's, are registered in accordance with the implementation of the scheme.

- 3.3.3 For details of the CDM duty holders, refer to the pre-construction information (PCI) which is included in the tender documents, Construction Phase Plan (CPP) & other PCI to be provided upon successful tender.
- 3.3.4 A report must be submitted to the Client within 24 hours if there are any surveys omitted.
- 3.3.5 Before commencing the construction phase of the *services*, the *Consultant* confirms to the *Client* that adequate welfare facilities are in place. Where the facilities detailed in section 5 are not deemed adequate, the *Consultant* provides all necessary facilities to Provide the Services and to comply with the minimum requirements set out in HSE guidance document L153.

Environmental requirements

- 3.3.6 In Providing the Services the *Consultant* meets the requirements of Annex 2 of the supplementary constraints in relation to environmental duties.

Risk Management

- 3.3.7 The *Consultant* identifies, manages and mitigates risks in accordance with the principles of ISO31000.
- 3.3.8 The *Consultant* submits a risk register, which captures all risks associated with the delivery of the *services* including those identified by the *Client*, with his tender and maintains it for the contract period.

4 REQUIREMENTS FOR THE PROGRAMME

- 4.1.1 The *Consultant* submits programme to the *Client* with his tender.
- 4.1.2 The *Consultant* Provides the Services taking into account the following programme constraints:
- (i) the *starting date* and *completion date* and any post site services, reporting and review period
 - (ii) The services and other things provided by *Client* (see Section 5)
 - (iii) Results to be issued within 2 weeks of completing site work or as agreed with Highways England Project Manager.
- 4.1.3 The programme should be in the form of an activity and time related bar chart, produced as a result of a critical path analysis.
- 4.1.4 The programme should preferably be provided in either a PDF or MS Excel format and cover the full contract period including post site activities. Activities should be clearly defined and named, and the programme should detail the following:
- (i) dates and times associated with the project, including the *starting date*, *completion date* & *Consultant's* planned completion, and any other dates or times that will specifically impact the delivery of the project
 - (ii) activities associated with delivering the project
 - (iii) To provide updates and feedback on traffic management requirements if different to set up identified at tender.
- 4.1.5 The *Consultant* should provide details of the proposed resources (plant, labour, subcontractors etc.) expected to deliver each activity. This information can either be shown on the programme itself or provided in an associated resource statement included in the Proposal for Providing the Services.
- 4.1.6 The *Consultant* updates the programme as agreed with the Highways England Project Manager. The *Consultant* submits an updated programme to the *Client* upon request.

5 SERVICES AND OTHER THINGS PROVIDED BY THE *CLIENT*

5.1.1 The following temporary traffic management will be provided by the *Client* to allow the *Consultant* to Provide the *Services*:

- (1) Construction Works Framework to provide traffic management.
- (2) Duration: 3 shifts
 - Shift 1-2: Full closure
 - Shift 3: Slip road closure

5.1.2 The other things that will be provided by the *Client* are as follows:

- (1) Welfare facilities will be provided by the principal *Contractor*.

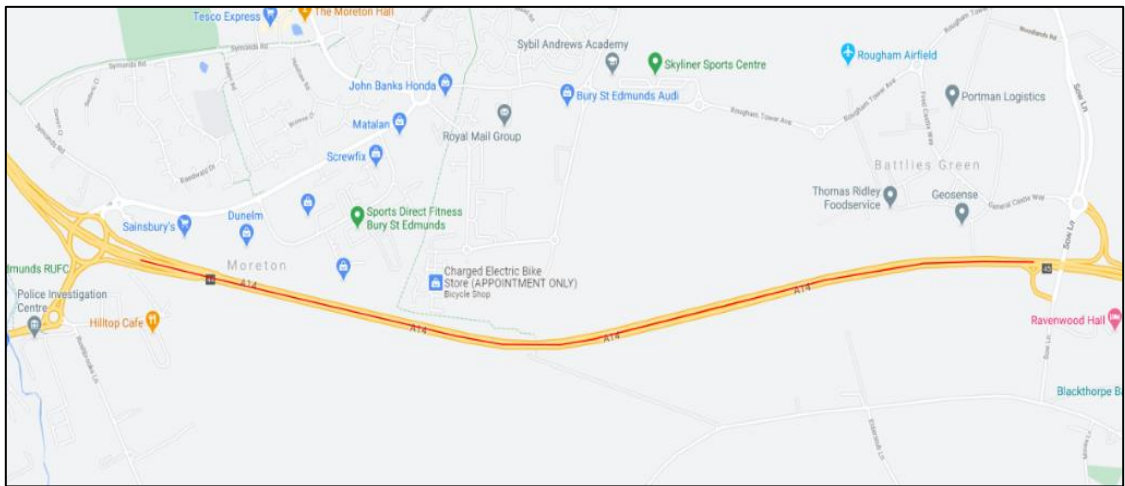
6 SPECIFICATION FOR THE *SERVICES*

6.1.1 The *Consultant* shall undertake the *Services* in accordance with:

6.1.2 DMRB CS 229

Appendix 1 – Supplementary constraints

Appendix 2 – Location Plans and *SERVICES* extents



Bury St. Edmunds

A134 Moreton Hall Interchange

Bury St. Edmunds

Lorry Park

Sainsbury's

3500A14/2xx

37

237

240

238

244

242

Rough Hall

Rougham Industrial Estate

Rookery Crossroads

254

253

252

251

250

249

248

247

246

245

244

243

242

241

240

239

238

237

236

235

234

233

232

231

230

229

228

227

226

225

224

223

222

221

220

219

218

217

216

215

214

213

212

211

210

209

208

207

206

205

204

203

202

201

200

199

198

197

196

195

194

193

192

191

190

189

188

187

186

185

184

183

182

181

180

179

178

177

176

175

174

173

172

171

170

169

168

167

166

165

164

163

162

161

160

159

158

157

156

155

154

153

152

151

150

149

148

147

146

145

144

143

142

141

140

139

138

137

136

135

134

133

132

131

130

129

128

127

126

125

124

123

122

121

120

119

118

117

116

115

114

113

112

111

110

109

108

107

106

105

104

103

102

101

100

99

98

97

96

95

94

93

92

91

90

89

88

87

86

85

84

83

82

81

80

79

78

77

76

75

74

73

72

71

70

69

68

67

66

65

64

63

62

61

60

59

58

57

56

55

54

53

52

51

50

49

48

47

46

45

44

43

42

41

40

39

38

37

36

35

34

33

32

31

30

29

28

27

26

25

24

23

22

21

20

19

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

3500A14/2xx

37

237

240

238

244

242

Rough Hall

Rougham Industrial Estate

Rookery Crossroads

254

253

252

251

250

249

248

247

246

245

244

243

242

241

240

239

238

237

236

235

234

233

232

231

230

229

228

227

226

225

224

223

222

221

220

219

218

217

216</

Appendix 3 – GPR Survey Schedules

605746-005 RRP0869 A14 J45-J44 WB Bury St Edmunds Resurfacing

<i>GPR Survey</i>	Section	Length	DCW Lanes	Slip Road Lanes	LM
<i>Slow Speed</i>	3500A14/263	2528	L1+L2	NA	5056
				Total	5056