

Challenge Fund Toolkit

Scheme Name

A34 Work Package - Re-surfacing / Safety Barrier / Drainage

Scheme Promoter

Stockport Metropolitan Borough Council

Scheme Details

Scheme Opening Year

2020

Appraisal period: 30 years

If you are bidding for multiple schemes please fill out a proforma for each scheme. Blue indicates data needs to be added.

SCHEME COST (£1000s)

Financial Year	2019	2020	2021	2022	2023	Totals:
DfT Funding Sought	90	747	-	-	-	836.6
LA Contribution	10	93	-	-	-	103.4
Other Third Party Funding	-	-	-	-	-	-
Total	100	840	-	-	-	940.0

All Schemes

Input Data	Specific Data	Units	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Length of Scheme	1.94	(Km)	580m of VRS installation and 1,360m carriageway resurfacing
Number of vehicles on affected section (split by vehicle type if possible)	40415	(Total vehicles - AADT)	TIGM Site 1138 data 2018
Cars	37723	(Cars - AADT)	
LGV	647	(LGV - AADT)	On the absence of the classification data, assumed 1.6% (TRA0106)
HGV	1984	(HGV - AADT)	
PSV	61	(PSV - AADT)	
Average Speed on Route	65.44	(Km/h)	
Type of Road	Trunk	(Motorway, Trunk, Principle or Minor)	

Other salient information for the VIM Case

The early sight of carriageway structural failure warrants early intervention before the issue occurs. If carriageway failure occurs, this will have a detrimental impact on the KRN and SRN when full depth construction is required.

With the installation of a central VRS along the 50mph section it is an essential measure which will improve safety for general public and to compliance with DMRB standard.

5%

Carriageways

SCANNER CATEGORY	Proportion of the road	Average RCI Number	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Red	3%	120	Please refer to Application form Figure 1
Amber	12%	74	Please refer to Application form Figure 1
Green	85%	5.3	Please refer to Application form Figure 1

Cycleways

Input Data	Specific Data	Units	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Number of Cyclists	56	Cyclists/day	SRAD Report 1961 Transport Statistics 2017

Diversion

Input Data	Data	Units	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Please give information about the diversion Route	If the carriageway structural failure occurs on this busy section of the A34, there will be an impact on the M60 due to the close proximity to this strategic road network. M60 Junction 1 is part of the most congested network during the peak periods, any disruption to the local network will have a huge impact on journey time and causes delay to all commuters and businesses.		
Length of any diversion route, if closure is required (over and above existing route)	4	km	With the closure of M60 Junction 3 off slip, motorists will travel towards M56, exit at M56 Junction 2 roundabout and follow A560 towards Gatley junction
Average extra time per vehicle on diversion route (over and above existing route)	6	mins	4 minute additional journey time + estimated delay of 2 minutes for travelling along the congested part of SRN during the peak periods

Note: there is no need to conduct any additional new modelling. Please use whatever existing route mapping tools currently available.

Traffic Master - May 2019			
M60 Jn 3	40		
M60 Jn 4	15		
M60 Jn 4 - M56 roundabout	15		
Before		After	
M60 - 1km motorway off slip	45	M60 - 2.6km motorway	83.5714
		A560 - 2.8km 30mph	210
			293.571
			248.5714286 4,14286
			4 minute journey time + estimated delay of 2 minutes for travelling along the congested part of SRN during the peak periods

Bridges

Input Data	Specific Data	Units	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Please give information about any current or planned weight restriction	N/A		
What year is this restriction due to come into place (if preexisting please put 2018)	N/A		
Number of days per year the restriction is in effect	N/A		
What vehicle class does the restriction apply to?			
Cars	N/A		
LGV	N/A		
HGV	N/A		
PSV	N/A		

Flooding

Input Data	Specific Data	Units	Other Supporting Data / Information (either input directly or provide reference to supporting information reported elsewhere)
Number of closures due to flooding per year	2	(number of closures/year)	2 incidents recorded in 2016
(Average) Duration of closure due to flooding	4	(duration of closure - hrs)	