

MEETING MINUTES

Contract:	Regional Delivery Partnership – East / West DIP / A47 Wansford to Sutton		
Weekly Meeting No:	N/A		
Venue:	Microsoft Teams		
Date:	06/05/2020	Time:	10:00
Meeting:	A1 Mill Stream and A47 Wittering Brook culverts		
Attendees:	<p>Andrew Leadbetter (AL), Sustainable Drainage Manager, Peterborough City Council</p> <p>Joely Norris (JN), Drainage Engineer, Peterborough City Council</p> <p>Dr Jason Ball (JB), Flooding and Water Management, Sweco</p> <p>Dr Stephen Hughes (SH), Flooding and Water Management, Sweco</p> <p>Iain Cameron (IC), Assistant Engineer (Structures), Sweco</p>		
Apologies:			
Distribution:	<p>Attendees, plus:</p> <ul style="list-style-type: none"> Matthew Murrell, Project Manager, Sweco Zoe Whitley, EIA Coordinator, Sweco 		
Item	Discussion	Action	
1.0	Introductions		
1.1	AL confirmed he will be leaving Peterborough CC in 2 weeks. JN will take on responsibility for liaison regarding the Wansford Scheme from now on.		
2.0	Scheme Update		
2.1	JB provided an update on the Scheme including discussion of possible alignment changes including the 'north' alignment. The north alignment option is being considered in response to consultee responses following public consultation and primarily affects the eastern half of the scheme, east of Wittering Brook. The alignment is constrained in Wittering Brook due to Scheduled Monument; the 'north' alignment lies over the existing A47 at Wittering Brook whereas the current alignment presented at public consultation was slightly to the south of the existing A47 and Wittering Brook.		
3.0	Review Previous Discussions with MMSJV		
3.1	JB reviewed minutes from the previous meeting with MMSJV on 19 th July 2018 with a particular focus on previous discussions surrounding the A1 Mill Stream culvert and the A47 Wittering Brook culvert.		
3.2	It was agreed, that as per previous discussions, a minimal assessment approach to the A1 Mill Stream culvert would be appropriate given that the works here will be a relatively straightforward extension of the existing culvert.		
3.3	AL confirmed previous discussions with MMSJV regarding the requirements for a control structure to simulate current situation with an additional flood relief/overflow channel to the west of the existing Wittering Brook to convey a potential overland flow route as shown on drawing done by MMSJV, copy emailed to SH.		
3.4	<p>There were discussions around the A47 Wittering Brook culvert. It was agreed that any new culvert/structure conveying the newly realigned A47 will be designed to current standards for flow with appropriate allowances for climate change.</p> <p>SH stated that in order to prevent additional flow being passed forward downstream through the new culvert, a 'throttle' structure will be required to hold back flow to match the rates passing through the existing culvert.</p> <p>Such a structure would need to be assessed and designed such that it could overtop at an appropriate level to avoid increasing flood risk upstream.</p> <p>IC stated that the likely preference would be to construct a new culvert beneath the newly aligned A47 and demolish the existing culvert. However, this is subject to detailed design and phasing of construction works.</p>		



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4.0	Culvert Assessments	
4.1	<p><i>A1 Mil Stream:</i></p> <p>JB/SH stated that a simple approach to hydraulic assessment of the existing and extended culverts would be undertaken. This would not involve detailed hydraulic modelling (<i>post meeting note: for example, hydraulic assessment using HY-8</i>).</p> <p>AL stated that such an assessment should be able to provide a comparison between existing and proposed culverts to prove no increase in flood risk.</p>	
4.2	<p><i>A47 Wittering Brook:</i></p> <p>JB/SH stated that the likely assessment approach would be to construct a small, simple hydraulic model of Wittering Brook and the culverts based on cross-section survey of the watercourse.</p> <p>Such an approach would be able to inform the requirements of any flow throttling structures as well as assess the potential overland flow pathway to the west of Wittering Brook.</p> <p>SH to provide Peterborough CC with a copy of the proposed Wittering Brook survey specification for reference.</p>	SH
4.3	<p><i>River Nene:</i></p> <p>JB noted that the project team are in contact with the Environment Agency (Emma Kirk) regarding the flood risk from the Nene and the requirement for compensatory storage.</p>	
5.0	AOB	
5.1	AL confirmed previous discussions regarding the Scheme drainage with an emphasis on the need for sustainable drainage measures (e.g. swales and water treatment), where possible.	
6.0	Next Meeting	
6.1	TBC if required.	Note



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