Katrine Aqueduct

Balfron Station Bridge Vehicle Strike



Present:

Jane McKenzie – SW Communities Team Regional Manager

Brian Campbell - SW Managed Delivery Delivery Manager

Stephen Moran - SW Managed Delivery Senior Project Manager



Vehicle Strike





Balfron Station Aqueduct Bridge



- Dates from 1890s
- Made up 6 No. 1.8m high beams
- 6 no 48" Diameter pipes
- 1 no 36" Diameter pipe
- Sandstone bridge support abutments
- 590,000 Customers supplied



Immediate Response

PRIORITY

- Safety
- Shut down pipes
- Maintaining supply alternatives

IMMEDIATE ACTIONS

- Close road immediately by police
- Diversion set up
- Fence off bridge from public
- Arrange contractor
- Organise temporary support
- Organise inspection by bridge engineers



Temporary Support Works



Trusted to serve Scotland



Community

- Listen to the needs of the local community communicated with MP & MSPs
- Worked out a way re opened road
- Road opened 2nd December under traffic lights
- Two way traffic was not possible
- Pipes had to be supported by scaffold from above by towers located on the roadway



Permanent Repair

- Strategically important asset for SW
- Important we get this right first time
- Report from bridge engineer recommended 2/3 of bridge structure was replaced
- After reviewing structural report SW had taken decision replace entire structure
- The pipes have been inspected and do not require to be replaced
- Adhere to local planning legislation

Repair Project

- Replacement of all six steel beams
- Repair of masonry parapets
- Road closure & diversion
- Challenges
 - Public safety
 - Maintaining water supply
 - Working on old / historically significant structure
 - Access and working on very space constrained site



What is happening now

- Design being progressed
- Investigations behind the abutments
- Understand the exact position of the beams and how the bridge is supported
- Crucial we understand what is involved before we start construction
 - Deliver project on programme
 - Materials selection
 - No surprises



Community

- Received correspondence from:
 - MPs
 - MSPs
 - Councillors
 - Local Residents & Business Owners
- Listened to feedback from community about signage on the diversion route and have improved this we will listen to any other comments
- Comments received about timing of construction impact on business and tourism

 Scottish

Programme Options

- Option 1 Preferred
 - Start on site May 2017 Completion Sept 2017
- Option 2 Start May 2017 End June 2017
 - Break for school holiday
 - Completion Autumn 17
- Option 3 Start Aug 2017 Completion Dec 2017

