

QUESTIONS AND ANSWERS

1. **Question:** Removing Ring and covers from the manholes for an inversion pit incidental?
 1. **Answer:** Removing ring and covers from manholes is incidental to Bid Item No. 901. Refer to Addendum No. 1, Part 2, Item 2 for revisions to measurement and payment requirements.

2. **Question:** Cut and replacing pavement pay item be used for replacing the ring and cover on the pavement restoration needed for this task?
 2. **Answer:** Cutting and replacing pavement for CIPP work is incidental to Bid Item No. 901. Refer to Addendum No. 1, Part 2, Item 2 for revisions to measurement and payment requirements.

3. **Question:** What is the consequence for wrinkling of the CIPP liner at the curves of the pipe? There is no way to prevent this in the curves or throughout the liner, please inform of us on how this to be taken care of, or any suggestions or expectations.
 3. **Answer:** It is understood that some wrinkling may occur in the curves, however the intent is to prevent excessive wrinkling that will impact the flow capacity. The installed liner must be in accordance with the hydraulic design calculations specified in Specification Item No. 901 – Reconstruction of Sanitary Sewer by Cured-in-Place Pipe and Section 02725 – Reconstruction of Sanitary Sewer by UV Cured-in-Place Pipe.

4. **Question:** Pay item to reconnect laterals by remote, there is not a remote device for that large of pipe, they pay item should be for person entry.
 4. **Answer:** Reconnection of service laterals may be done by person entry. No reconnection by excavation will be allowed unless approved by the Owner and Engineer. The Bid Proposal is modified in Addendum No. 1, Part 1, Item 2 and Supplementary Specification 1109 – Sanitary Sewer Lateral Stub Outs or Reconnections is modified in Addendum No. 1, Part 2, Item 6.

5. **Question:** Pay item for point repairs, there is a quantity of three, are these repairs known or just a plug quantity if needed? If they are known the contractors need to know the exact locations to bid on this item.
 5. **Answer:** There is not a known quantity of point repairs at this time. The quantity included in the Bid Proposal is for establishing a unit price. The Bid Proposal is modified in Addendum No. 1, Part 1, Item 2.

6. **Question:** Flow data needs to be known for preparing bypass pricing, will this be off max capacity.
 6. **Answer:** The existing San Antonio River Outfall pipeline currently experiences a dry weather average flow of approximately 3 MGD and a peak flow of approximately 10 MGD. Contractor shall provide bypass pumping in accordance with Item No. 864 –

Bypass Pumping, which states that bypass pumping shall be developed using flow data. However, the specification also requires that the Contractor confirm that the flow data provided remains applicable and requires the Contractor to provide actual flow data back to SAWS and the Engineer for analysis.

7. **Question:** Is there any flow data available that we could use for determining bypass costs?

7. **Answer:** The existing San Antonio River Outfall pipeline currently experiences a dry weather average flow of approximately 3 MGD and a peak flow of approximately 10 MGD. Contractor shall provide bypass pumping in accordance with Item No. 864 – Bypass Pumping, which states that bypass pumping shall be developed using flow data. However, the specification also requires that the Contractor confirm that the flow data provided remains applicable and requires the Contractor to provide actual flow data back to SAWS and the Engineer for analysis.

8. **Question:** There are 3 point repairs called for in the proposal. Are these known to be needed?

8. **Answer:** There is not a known quantity of point repairs at this time. The quantity included in the Bid Proposal is for establishing a unit price. The Bid Proposal is modified in Addendum No. 1, Part 1, Item 2.

9. **Question:** Are there videos available?

9. **Answer:** The existing CCTV sewer videos may be obtained by contacting SAWS' Contract Administrator, Marc Ripley, by email at Marc.Ripley@saws.org.

10. **Question:** Has the line been cleaned recently?

10. **Answer:** No.

11. **Question:** The plans state that “The Contractor shall prevent wrinkles in curved pipe sections”. Is there a spec on how much wrinkle is acceptable?

11. **Answer:** It is understood that some wrinkling may occur in the curves, however the intent is to prevent excessive wrinkling that will impact the flow capacity. The installed liner must be in accordance with the hydraulic design calculations specified in Specification Item No. 901 – Reconstruction of Sanitary Sewer by Cured-in-Place Pipe and Section 02725 – Reconstruction of Sanitary Sewer by UV Cured-in-Place Pipe.

12. **Question:** The specs call for an 8 hour limit on service outage. Would you consider extending that to 24 hours?

12. **Answer:** An 8 hour limit on service outage is the maximum time allowed.

13. **Question:** Does SAWS provide water service to the area where the project is, and if so would SAWS waive the cost of water to the contractor?

13. **Answer:** Contractor should contact SAWS Customer Service at 2800 US Hwy 281N, Tower 2, 1st floor and request an Application for Fire Hydrant Meter Use which details procedures and costs.

14. **Question:** Is the 17% MBE/WBE participation a goal or a requirement?

14. **Answer:** The 17% Small, Minority, and Woman-owned Business (SMWB) goal is an aspirational (non-mandatory) goal. However, we ask all prime contractors to make a concerted effort to either meet or exceed the goal. If a Prime Contractor needs any assistance with finding SMWB firms, the prime can contact Marisol V. Robles, SMWB Program Manager, at marisol.robles@saws.org to request lists of SMWB-certified subcontractors for specific scopes of work.

15. **Question:** Will alternative CIPP designs according to ASTM specifications for enhanced materials be accepted?

15. **Answer:** The materials and design requirements specified in Specification Item No. 901 – Reconstruction of Sanitary Sewer by Cured-in-Place Pipe and Section 02725 – Reconstruction of Sanitary Sewer by UV Cured-in-Place Pipe are the only items that will be allowed under this contract.

16. **Question:** Is average and peak flow data available?

16. **Answer:** The existing San Antonio River Outfall pipeline currently experiences a dry weather average flow of approximately 3 MGD and a peak flow of approximately 10 MGD. Contractor shall provide bypass pumping in accordance with Item No. 864 – Bypass Pumping, which states that bypass pumping shall be developed using flow data. However, the specification also requires that the Contractor confirm that the flow data provided remains applicable and requires the Contractor to provide actual flow data back to SAWS and the Engineer for analysis.

17. **Question:** Will by-pass pumping systems be designed according to that data or full pipe flow? a. If full pipe flow, please provide grade for proper calculations.

17. **Answer:** The existing San Antonio River Outfall pipeline currently experiences a dry weather average flow of approximately 3 MGD and a peak flow of approximately 10 MGD. Contractor shall provide bypass pumping in accordance with Item No. 864 – Bypass Pumping, which states that bypass pumping shall be developed using flow data. However, the specification also requires that the Contractor confirm that the flow data provided remains applicable and requires the Contractor to provide actual flow data back to SAWS and the Engineer for analysis.

18. **Question:** Can a pay item be added for installing cleanouts at the property lines where they do not exist?

18. **Answer:** Yes. Refer to the Addendum No. 1 Part 1, Item 2; Part 2, Items 1 and 4; and Part 3, Items 1 and 4.

19. **Question:** Can a pay item be added for new manholes to limit reaches?

19. **Answer:** Manholes may be installed at the Contractor's option, to limit reaches. However, this shall be considered incidental to Bid Proposal Item 901. There will be no separate pay item for new manholes. Refer to Addendum No. 1, Part 2, Item 1.

20. **Question:** Are point repairs known or "just in case"?

20. **Answer:** There is not a known quantity of point repairs at this time. The quantity included in the Bid Proposal is for establishing a unit price. The Bid Proposal is updated in Addendum No. 1, Part 1, Item 2.

21. **Question:** If they are not known reasonably be anticipated, can the quantity be reduced to one?

21. **Answer:** There is not a known quantity of point repairs at this time, however there could be more than one. The quantity included in the Bid Proposal is for establishing a unit price. The Bid Proposal is modified in Addendum No. 1, Part 1, Item 2.

22. **Question:** Can reinstatement of laterals be performed by manned entry?

22. **Answer:** Reconnection of service laterals may be done by person entry. No reconnection by excavation will be allowed unless approved by the Owner and Engineer. The Bid Proposal is modified in Addendum No. 1, Part 1, Item 2 and Supplementary Specification 1109 – Sanitary Sewer Lateral Stub Outs or Reconnections is modified in Addendum No. 1, Part 2, Item 6.

23. **Question:** Can a pay item be added to remove and replace manhole frames and covers?

23. **Answer:** Removing ring and covers from manholes is incidental to Bid Item No. 901. Refer to Addendum No. 1, Part 2, Item 1 for revisions to measurement and payment requirements.

24. **Question:** What are the parameters and non-compliance consequences for CIPP "wrinkles" in curved pipe sections?

24. **Answer:** It is understood that some wrinkling may occur in the curves, however the intent is to prevent excessive wrinkling that will impact the flow capacity. The installed liner must be in accordance with the hydraulic design calculations specified in

Specification Item No. 901 – Reconstruction of Sanitary Sewer by Cured-in-Place Pipe
and Section 02725 – Reconstruction of Sanitary Sewer by UV Cured-in-Place Pipe.

25. **Question:** The hydrants in the vicinity appear to be SAWS owned. Will Saws provide water for construction?

25. **Answer:** Contractor should contact SAWS Customer Service at 2800 US Hwy 281N, Tower 2, 1st floor and request an Application for Fire Hydrant Meter Use which details procedures and costs.

26. **Question:** Can pre-existing videos be provided?

26. **Answer:** The existing CCTV sewer videos may be obtained by contacting SAWS' Contract Administrator, Marc Ripley, by email at Marc.Ripley@saws.org.