

Nipomo Community Services District



Supplemental Water Project Bid Package 1 (BP 1) Santa Maria River Crossing Monthly Progress Report



Prepared By:
MNS Engineers, Inc.

December 2013

Schedule and Budget Summary

Schedule Summary

Notice to Proceed	July 10, 2013
Original Contract Days	141
Contract Days Added	20
Revised Contract Days	161
Elapsed Time (Days)	(161)
Remaining Time (Days)	0
Contract Completion Date	December 18, 2013
Time Elapsed to Date	100%
Work Completed to Date	100%
Approved Change Orders (Days)	20 days

Budget Summary

Original Contract Amount	\$5,847,090.00
Approved Change Orders (Cost)	\$221,187.57
Revised Contract Amount	\$6,068,227.57
Previous Payments	\$5,811,937.52
Current Month Pay Request	\$256,340.05
Total Work Completed	\$6,068,227.57
Work Remaining	\$0.00

Progress Summary

After the pipe pullback was completed on November 15, 2013, ARB continued work on the HDPE pipe at the south side to extend the pipe and rope it onto design alignment from the second drill hole which was located 10 feet to the East of the original alignment (due to loss of the 42-inch drill in the original drill hole). ARB worked to fuse additional sections of 30-inch HDPE pipe together, extending the pipe connection point 57 feet further south, while roping the pipe into an "S" curve to reach alignment. ARB also completed the pipe end on the north side.

Once the pipe was in place, ARB pressure tested the pipe to 180 psi. The pressure test passed, so they performed the bacteria tests, which also passed. After the bacteria tests, ARB refilled the pipe and chlorinated it again to 4 ppm. This is to help prevent bacteria growth during the time between completion of Bid Package #1 and Bid Package #4, when the pipe will be put into service.

ARB completed demobilization, and site clean-up of both the north and south sites, and re-compacted the area over the sink holes to a minimum of 6 feet. On December 18, 2013, after final inspections and completion of punch list items, the District, MNS and ARB agreed that Bid Package #1 was complete.

South Site – Santa Maria River

Pictures:



Aerial photo of the south side with all ARB equipment demobilized and the site rough graded.



ARB continuing excavation around HDPE pipe in order to move it into horizontal and vertical alignment.



End of pipe at the surface, cut and ready for removal from remaining pipe which is at grade.



ARB continuing to place shields around pipe.



South end of HDPE pipe at grade and ready for fusing of pipe extension to put the pipe back onto the design alignment.



ARB lowering the pipe fusing machine into place.



Pipe fusing machine in place with heater plate between HDPE pipe ends (reaches 472 degrees F).



ARB shifting end of pipe to reach alignment.



Pressure testing pipe with pump connected to south end.



ARB and MNS making final checks of alignment in the field, before calling MNS surveyors to verify alignment and As-Built the end location.



ARB removing trench shields and preparing to backfill.



ARB removing hydraulic shoring jacks holding pipe in place after securing with compacted backfill.



ARB installing 4-inch gate valve and riser at the end of the pipe.



Valve can and riser with 4 X 4 struts in between for support.



ARB removing 54-inch casing from the site.



South site after demobilization. ARB continuing to complete end at riser and finish grading.



Final grading on south site.

North Site & Access Road

Pictures:



Aerial view of the north side of the project showing ARB equipment demobilized, the site and sink hole area rough graded, and Spiess Construction equipment mobilized for Bid Package #4.



ARB placing wax tape coating on 30-inch flange around connection at reducer on end of HDPE pipe.



ARB demobilized, site graded and end of pipe riser protected.



Final compaction over sink holes.



Area where sink holes occurred compacted and regraded.