

WILLITS BYPASS PROJECT CONSTRUCTION UPDATE AUGUST 2016 UPDATE

The following is a summary of the construction activities that have been completed up to **August 22, 2016**

- **Contractor has completed approximately 95% of work on the project.**

South Segment (Beginning of Project to Center Valley Road) – STA "A" 96+00 to 149+00 (3.3 miles):

- Paving HMA complete with the exception of Stamped gore paving at ramp gores
- Northbound traffic is currently detoured onto the bypass to the new Hwy 20 exit and back to Willits. This is to facilitate completion of the tie-in for the southern interchange. Traffic will be temporarily switched to the prior detour from time to time to facilitate striping operations.
- Striping and delineation operations are currently being scheduled with the subcontractor. It is anticipated this work will be completed by end of September.
- All Metal Beam Guard rail is installed.
- Asphalt dike is currently being scheduled with the subcontractor and is anticipated to be completed by late August or early September.
- The Drainage systems are complete and functioning.
- Electrical facilities for street lighting, message boards and CCTV cameras are currently being installed. Completion is expected by the end of August or mid September.
- Roadway signs are currently being installed and anticipated to be completed in September.
- Right and left bridges for 101/20 Separations are complete.
- A1 Retaining Wall and Baechtel Creek Retaining Wall are complete.
- All Haehl Creek bridges are complete. East Hill Road Undercrossing Bridge is complete.
- North Haehl Creek Bridge is complete.
- Permanent erosion control is installed on all slopes.
- Contractor is working on punchlist items to complete construction.
- Contractor is working on miscellaneous punchlist items and cleanup to complete construction. Completion is anticipated to be complete by the end of October.

Floodway Viaduct - STA "A" 149+00 to 167+50 (1.2 miles):

- The Floodway Viaduct is complete except for grout pads for the tubular bicycle railing. Work should be complete by end of August.

North Segment (Viaduct to End of Project) – STA "A" 167+50 to 191+10 (1.5 miles):

- Drainage systems are complete with the exception of some inlets which are scheduled to be installed as scheduling allows; completion in late August or early September.
- Paving up to the northern tie-in is complete.
- Tie-in detours have begun to allow for final tie-in grading. There will be several traffic configurations to allow for final grading. Currently traffic is routed on the bypass from the northern interchange to the northern tie-in. Crews are finishing the grading of the cul-de-sac and drainages on the west side of the alignment. Paving of the cul-de-sac will occur at the end of August. Final construction of the intersection of the northern interchange and North Main St. will occur in September.
- All signs, striping, and delineation are expected to be completed in September.
- Quail Meadows Overhead and Under Crossing bridges repairs are ongoing and anticipated to be complete by end of August.
- Upp Creek Main Line, Upp Creek SB off Ramp, and Upp Creek NB on Ramp bridges are complete.
- Erosion control is being monitored and maintained at all locations.
- Street lighting is functional and currently running on Generator power until the PGE drop is completed. The remainder of electrical services is expected to be complete by end of August or early September.
- Contractor is working on miscellaneous punchlist items and cleanup to complete construction. Completion is anticipated to be complete by the end of October.

WETLAND/RIPARIAN MITIGATION PROJECTS

CONSTRUCTION UPDATE

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The following is a summary of the construction activities that have been completed up to **August 22, 2016**.

Emergency Limited Bid (ELB) Contract. This contract work started on August 11, 2014 and was completed in December 2015.

- 25 acres of invasive plant removal (Target Weed removal) using mechanical/manual methods.
- 8.89 acres of wetland establishment (MGC Plasma North).
- 3 Locations of headcut repairs (Benbow, Lusher and Frost). Drainage improvement by grading eroded gullies, placed rock still structures and pool structures to slow the flow (rock lined check dams) and stabilized the area with wetland seeds and BMPs.
- 3 Locations of eroding bank repairs along Outlet Creek. Cut creek bank to widen creek, installed root wad (trunk/root ball) and footer logs for fish habitat along the creek bank, placed RSP to stabilize the creek banks, placed wetland seeds and native grass straw, and planted willows along the creek bank.
- Access road development for all mitigation parcels/areas. Placed Box culvert at Hearst Willits Road, temporary bridges at Mill Creek/Davis Creek and paved several driveways.
- Seeds for this project were collected using a separate service contract and provided to the contractor.

Mitigation Contract No. 1. This Contract was awarded on April 15, 2015. The first working day was on September 9, 2015. This project includes 3 years of plant establishment. Estimated Completion date is June 2020.

- 52.35 acres of wetland establishment (100% completed).
- Developed stream crossing at 19 locations (100% completed). Harden stream crossing were constructed using 9” cobble stone and 3” clean sand and gravel to access through the creek.
- 69 acres of invasive plant removal- Target Weed (This will continue until contract acceptance) using mechanical/manual methods.
- 82 acres of heavy treatment (area preparation for riparian planting, 100% completed).
- Developed water sources and installed irrigation system for planting and plant establishment work (50% completed).
- Planted the ELB project areas and Oak woodland areas (54,000 plants installed) and 750 days Plant Establishment started on 01/04/2016 for 2015 planting.
- Installation of 350,000 plants in wetland creation area (will start in 2016 fall).
- Installation of 147, 645 plants via Change Order (CO) in mitigation area (will start in 2016 fall).
- Seeds for this project were collected using a separate service contract and provided to the contractor.
- Plants for this projects were propagated using a separate service contract and provide to the contractor.
- Develop water supply ongoing for the project and include the CO for additional planting.
- Plant establishment continues for the 54,000 plants planted in the fall of 2015
- Installation of the temporary bridge over Mill Creek (CO work 60% completed to-date)
- Mendocino County road pavement repairs (CO work) started on August 22, 2016
- **Contractor completed approximately 35%. Time elapsed 21%.**

Mitigation Contract No. 2. This Contract was awarded on June 30, 2015. The first working day was on September 9, 2015. This project includes 3 years of plant establishment. Estimated Completion date is March 2021.

- 2 acres of invasive plant removal -target weed removal, Started on July 5th (This will continue until contract acceptance) using mechanical/manual methods.
- 33 acres of invasive plant removal - heavy treatment started on July 18th (5% completed).
- 27 acres of Invasive Plant Removal –light treatment, started on June 8th, 2016 (This will continue until contract acceptance).
- Developing water sources and installing irrigation system for planting and plant establishment work.
- Installation of 287,340 plants.

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- Seeds for this project were collected using a separate service contract and provided to the contractor.
- Plants for this projects will be propagated by the contractor.
- 30.45 acres of Invasive Plant Removal - Heavy Treatment 100% completed on August 11, 2016.
- 30.45 acres of Ripping 100% completed on August 19, 2016; CO work.
- 7300 CY of dirt mounds removal 100% completed on August 19, 2016; CO work.
- On-Site well drilling started on August 18, 2016
- 30.45 acres of Disking started on August 19, 2016; CO work.
- **Contractor completed approximately 10%. Time elapsed 07%.**

Additional Mitigation Work Completed to Date Includes: In April 20104, a Contract Change Order (CCO) was executed using the Bypass project to implement infrastructure such as 132,000 feet of fencing, 50,000 feet of 2” underground water line, 150 gates, 65 stock tanks, and 25 cattle shades to facilitate cattle grazing activities within the Wetland/Riparian Mitigation project area.