

RRVA 14th Regional Water Resource Conference

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Tulsa District

3 June 2010



US Army Corps of Engineers
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Texoma Reallocation Study

Addendum to Storage
Reallocation Report

Oct 2009

HQ Transmittal to ASA

Oct 2009

ASA Review
Complete/Approval

Feb 2010

Signed FONSI

Feb 2010

Contracts sent to
water supply users

March 2010

Signed contract received from NTMWD and
signed by Commander

26 April 2010

Signed MOU from ASA(CW) and SWPA for
the provision of hydropower credit

21 May 2010

Schedule for Greater Texoma Utility Authority
(GTUA) to sign water supply contract

4 June 2010



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Red River Chloride Control

**Dec 2009 awarded Construction
Contract to add a crane at
Area X Pump House**

**Working on Real Estate Acquisition
For Area X. Schedule completion is
June 2011.**

Area VI Reevaluation Continues



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ARRA Work in Progress



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Project Name	Work Description - as of (Approval Date)	New Estimate
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Repair overlook and maintenance buildings to reduce future maintenance costs	97,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Install fiberglass surge tanks, PVC membrane, rock in outlet ditch, and repair roads to reduce future maintenance costs.	112,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Repair pump equipment to reduce the risk of failure.	254,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Construct boundary fence to reduce improper entry by unauthorized people and cattle.	635,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Replace project heavy equipment to reduce future maintenance costs	660,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Rehab Truscott project office to reduce future maintenance cost.	952,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Replace embankment guardrail to provide public safety	1,234,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	Award Construction Contract to Install fiber optics for Area VIII control system to reduce the risk of failure.	1,277,000
Arkansas - Red River Basins Chloride Control - Area Viii, TX	ARRA TOTAL	5,221,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Broken Bow Lake, OK	AE contract to update reservoir sedimentation survey. Enhances reliability of water storage estimates.	100,000
Broken Bow Lake, OK	AE contract to mitigate Panther Creek archeological site. Supports preservation of Nations' significant cultural resources.	250,000
Broken Bow Lake, OK	Award Construction Contract to Paint surge tank to reduce future maintenance costs.	200,000
Broken Bow Lake, OK	Award Construction Contract to Replace tainter gate wire to reduce future maintenance costs.	135,000
Broken Bow Lake, OK	Award Construction Contract to Replace embankment guardrail to provide for public safety	354,000
Broken Bow Lake, OK	Award Construction Contract to Replace penstock raw water piping in powerhouse. Reduces future maintenance costs.	850,000
Broken Bow Lake, OK	ARRA TOTAL	2,145,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Denison Dam, Lake Texoma, TX	Purchase stream gauging network equipment to reduce public safety from flooding.	98,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Protect significant archeological site with riprap, preserves cultural heritage of the nation	108,000
Denison Dam, Lake Texoma, TX	AE contract to update forecast models, Water control manuals, and operational programs to reduce public risk.	130,000
Denison Dam, Lake Texoma, TX	AE contract to create GIS platform for real estate acquisition and outgrant management. Reduces encroachment and enforcement actions.	90,000
Denison Dam, Lake Texoma, TX	AE contract to conduct flood pool sedimentation survey. Enhances reliability of water storage estimates.	163,000
Denison Dam, Lake Texoma, TX	AE contract to create real-time inundation mapping and economic damages program to reduce public risk.	195,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Protect historic cemetery from shoreline erosion to reduce future maintenance costs.	342,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Denison Dam, Lake Texoma, TX	AE contract to prepare plans and specs for turbine replacement to increase efficiency of turbines.	402,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Upgrade utilities various parks. Work will bring facilities to current health and safety standards and meet American Disability Act requirements.	400,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Replace embankment guardrail, provides for public safety	1,082,000
Denison Dam, Lake Texoma, TX	Repairs at various locations on the project. Funds needed for contract mods and exercise options to existing contracts as well as award new contract where bids are higher than expected.	1,060,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Rehab intake gantry crane to reduce the risk of failure.	1,258,000
Denison Dam, Lake Texoma, TX	Award Construction Contract to Undertake interim repairs of Cumberland dike to Reduces the risk of dike failure.	947,000
Denison Dam, Lake Texoma, TX	ARRA TOTAL	6,275,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Hugo Lake, OK	Award Construction Contract to Replace tainter gate wire, reduces future maintenance costs	243,000
Hugo Lake, OK	AE contract to create real-time inundation mapping and economic damages program. Reduces risk to public.	254,000
Hugo Lake, OK	Award Construction Contract to Replace embankment guardrail, provides for public safety	351,000
Hugo Lake, OK	ARRA TOTAL	848,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Pine Creek Lake, OK	AE contract to conduct flood pool sedimentation survey. Enhances reliability of water storage estimates.	35,000
Pine Creek Lake, OK	Award Construction Contract to Repair discharge conduit. Reduces risk of failure.	568,000
Pine Creek Lake, OK	Award Construction Contract to Repair service gates and liners, reduces risk of failure	1,499,000
Pine Creek Lake, OK	ARRA TOTAL	2,102,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Sardis Lake, OK	AE contract to conduct flood pool sedimentation survey. Enhances reliability of water storage estimates.	26,000
Sardis Lake, OK	AE contract to update forecast models, Water control manuals, and operational programs. Reduces risk to public.	100,000
Sardis Lake, OK	AE contract to create real-time inundation mapping and economic damages program. Reduces risk to public.	151,000
Sardis Lake, OK	Award Construction Contract to Replace embankment guardrail, provides for public safety	1,285,000
Sardis Lake, OK	ARRA TOTAL	1,562,000



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Project Name	Work Description - as of (Approval Date)	New Estimate
Waurika Lake, OK	AE contract to conduct flood pool sedimentation survey. Enhances reliability of water storage estimates.	35,000
Waurika Lake, OK	Award Construction Contract to Replace embankment guardrail, provides for public safety	480,000
Waurika Lake, OK	ARRA TOTAL	515,000



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FY 2010 MAJOR MAINTENANCE



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Broken Bow Lake		
	Repair septic tank	\$200,000
	Clean trash rack and debris	\$100,000
	Repair dam roadway lighting	\$50,000
	Replace governors (design only)	\$100,000
	Install fire detection system	\$75,000
	Paint service bridge	\$200,000
	Tainter gate analysis	\$75,000
	Surcharge analysis	\$95,000
	Replace electrical connectors	\$15,000
	TOTAL	\$910,000



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Denison Dam, Lake Texoma

Shoreline management plan \$158,000

Shoreline management plan EIS \$1,000,000

IRRMP - Piezometers at Cumberland Levee
(FY09 carryover) \$100,000

Rehab flood, power, & emergency gates \$600,000

Zebra mussel survey \$25,000

TOTAL \$1,883,000



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Hugo Lake	Recover floating bulkhead	\$100,000
	TOTAL	\$100,000

Lake Kemp	Paint service bridge	\$250,000
	TOTAL	\$250,000



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Pat Mayse Lake

Acquire private property for
outlet channel erosion work

\$15,000

TOTAL

\$15,000

Pine Creek Lake

Investigate and repair
conduit

\$1,700,000

TOTAL

\$1,700,000



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Questions ?



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