

Fort Peck Tribes

Phase 2 Lateral L-2M Rehabilitation Project

Lateral L-2M provides irrigation water to the southwestern third of the Wolf Point-Frazer Unit and is one of the largest laterals contained within the Unit. The Lateral has historically suffered significant water losses due to seepage resulting from well-drained soils throughout a significant portion of the Unit and evapotranspiration caused by vegetation overgrowth. The Tribes have received funding for the rehabilitation and lining of a half-mile stretch of Lateral L-2M to eliminate water losses and improve irrigation efficiency. Construction of this Phase 1 project will be completed in the spring of 2013. Phase 2 of the rehabilitation of Lateral L-2M will consist of rehabilitating an additional half-mile reach immediately downstream of Phase 1. Phase 2 will also include the replacement of several deteriorated headgates within the Phase 2 Project Area. The Phase 2 improvements will conserve over 4.95 cfs (367.9 million gallons) of water per year. The water loss through this reach of the Lateral plays a significant role in water shortages experienced at the end of Lateral L-2M during peak irrigation periods. In addition, 5 acres of farmland lost to seepage caused over-saturation will be brought back into production.

The proposed Phase 2 rehabilitation efforts will allow the FPIP to better conserve, manage, develop, and preserve land and water resources. Approximately \$315,200 of revenue is lost each year due to water losses within the proposed Phase 2 Project Area. With the proposed Phase 2 rehabilitation measures, Lateral L-2M's irrigation efficiency will be significantly improved, and increased crop production will provide a substantial economic benefit for the area.

The rehabilitation of a half-mile section of Lateral L-2M with the addition of several deteriorated headgate replacements will provide the following benefits:

- Reduced seepage
- Increased water delivery efficiency
- Increased on-farm irrigation efficiency
- Increased crop production
- Improved soil quality
- Help maximize the beneficial use of water pumped from the Missouri River
- Conservation of water which will increase river flows for the new Dry Prairie Rural Water System
- Development of existing acres that were unable to be irrigated under previous water shortage conditions
- Conservation of water for recreation, fish, waterfowl, and wildlife habitat
- Preservation of agricultural lifestyle

Grant Request Amount:	\$100,000.00
Fort Peck Tribes Match Amount:	\$6,400.00
FPWUA Match Amount:	\$48,330.00
Estimated Total Project Cost:	\$154,730.00

Fort Peck Tribes sincerely appreciates your consideration of this project and hopes that you will find it as important and necessary as our residents and your constituents have.

