

**Nolan Creek Flood Protection Plan
2016 TWDB Grant
In-Kind Services By Killeen**

Task Number	Task Description	Total In-Kind Hours	Total In-Kind Expense
1	Collection and Review of Baseline Information	19.00	\$ 661.53
2	Development of a Base Map	56.00	\$ 1,288.42
3	Assessment of Environmental Constraints	58.00	\$ 1,409.04
4	Identification of Flood Early Warning System Improvements	-	\$ -
5	Identification of Flood Response Implementation Strategies	20.00	\$ 777.95
6	Initial Identification of Flood Problem Areas	26.00	\$ 987.23
7	Perform Field Survey	2,466.00	\$ 58,422.45
8	Develop Hydrologic Model	666.00	\$ 20,358.11
9	Develop Hydraulic Model	-	\$ -
10	Final Identification of Flood Problem Areas, Establishment of Flood Protection Criteria, and Evaluation of Flood Mitigation Alternatives	44.00	\$ 1,767.66
11	Perform Hydrologic/Hydraulic Analyses of Flood Mitigation Alternatives	136.00	\$ 4,798.98
12	Develop Benefit/Cost Analysis of Flood Mitigation Alternatives	18.00	\$ 846.93
13	Prepare Implementation and Phasing Plan	20.00	\$ 881.47
14	Review Draft and Final Reports	5.00	\$ 171.57
Total		3,534.00	\$ 92,371.33