Action Plan

Grantee: Ashland, OR
Grant: B-98-MU-41-0008

LOCCS Authorized Amount: $573,391.00
Grant Award Amount: $573,391.00
Status: Reviewed and Approved
Estimated PI/RL Funds: $0.00
Total Budget: $573,391.00

Funding Sources

Funding Source: FEMA Public Assistance
Funding Type: FEMA Public Assistance
Funding Source: Flood Recovery Bond Issue
Funding Type: City Funds

Narratives

Disaster Damage:
Winburn Way Bridge Replacement and Repair The 1997 New Year’s Day Flood began the morning of December 31, 1996. The Winburn Way culvert had been running at capacity, with some additional flow bypassing the culvert long the west side of the creek channel. During the night of the 31st, the culvert became almost completely blocked, and flow in the creek continued to increase with the additional rainfall and snowmelt. Significant flow started coming through the Plaza area, past the door of City Hall. Businesses located in the historic Plasz area in front of City Hall were inundated with floodwaters. Most of this flow re-entered the creek channel at Bluebird Park, where a deteriorated retaining wall on Water Street was undermined and eventually collapsed causing a section of Water Street to collapse. Significant flow continued through the Plaza area until late in the day on January 2, 1997, when a pilot channel was completed, and flow gradually returned to the creek channel. Inside Downtown Ashland, the effects of the flood were dramatic. The combined onslaught of erosion and deposition devasted Historic Lithia Park. Lawns, picnic grounds, landscaping, pathways, playgrounds and footbridges and the existing Winburn Street Bridge/culvert were damaged, dramatically transforming the park. Businesses along the Plaza and Calle Guanajuato suffered hundreds of thousands of dollars in flood damages and lost revenue. At the time of the flood, the crossing at Winburn Way was a combination of an 86.5’ long by 21’ wide by 6’ high arch culvert at the inlet side and a 50’ long by 13’ wide by 7’ high box culvert at the outlet side. The two sections met at an angle, and in total the entire culvert was more than 141’ in length. The culvert’s capacity was less than 1000 cfs prior to overtopping. The culvert at the Winburn Way Bridge continued to pose a serious risk to flooding in the project area.

Recovery Needs:
To remedy the damage caused by the flood of 1997 to the previously existing crossing of Ashland Creek, the existing Winburn Bridge had to be replaced to repair damage and increase the capacity of the crossing to accommodate future flood waters. The improvement consisted of creek stabilization on each side of the bridge and the installation of a pre-fabricated bridge at a total project cost of 1,142,964.00. The new bridge span is 72’ long with a width of 32’. The stabilization and footings for the bridge extend approximately 107’ from each side of the 32’ width for a combined improvement length of 247’.

Project Summary

<table>
<thead>
<tr>
<th>Project #</th>
<th>Project Title</th>
<th>Grantee Activity #</th>
<th>Activity Title</th>
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<tr>
<td>BCKT</td>
<td>Bucket Project</td>
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Activities

Project # / Title: BCKT / Bucket Project

Grantee Activity Number: 138944
Activity Title: 138944

Activity Type: Rehabilitation/reconstruction of a public improvement
Activity Status: Under Way

Project Number: BCKT
Project Title: Bucket Project

Projected Start Date: 09/01/1997
Projected End Date: 03/31/1999

Project Draw Block by HUD: Not Blocked
Activity Draw Block by HUD: Not Blocked

Block Drawdown By Grantee: Not Blocked

National Objective:
Urgent Need: A community development need having a particular urgency because existing conditions pose a serious and immediate threat to the health and welfare of the community

Environmental Assessment:

Benefit Report Type:
NA

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<th>Proposed Accomplishments</th>
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<tbody>
<tr>
<td># of Linear feet of Public Improvement</td>
<td>247</td>
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<tr>
<th>Funding Source Name</th>
<th>Matching Funds</th>
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<tr>
<td>Flood Recovery Bond Issue</td>
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<tr>
<td>FEMA Public Assistance</td>
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Location Description:
Winburn Way, southern edge of Downtown Ashland, adjacent to Lithia Park and the Community Development building located at 51 Winburn Way.

Activity Description:
Winburn Way Bridge Replacement and Repair The 1997 New Year’s Day Flood began the morning of December 31, 1996. The Winburn Way culvert had been running at capacity, with some additional flow bypassing the culvert along the west side of the creek channel. During the night of the 31st, the culvert became almost completely blocked, and flow in the creek continued to
increase with the additional rainfall and snowmelt. Significant flow started coming through the Plaza area, past the door of City Hall. Businesses located in the historic Plaza area in front of City Hall were inundated. Most of this flow re-entered the creek channel at Bluebird Park, where a deteriorated retaining wall on Water Street eventually collapsed. Significant flow continued through the Plaza area until late in the day on January 2, 1997, when a pilot channel was completed, and flow gradually returned to the creek channel. Inside Downtown Ashland, the effects of the flood were dramatic. The combined onslaught of erosion and deposition devastated Lithia Park. Lawns, picnic grounds, landscaping, pathways, playgrounds and footbridges were damaged, dramatically transforming the park. Businesses along the Plaza and Calle Guanajuato suffered hundreds of thousands of dollars in flood damages and lost revenue. At the time of the flood, the crossing at Winburn Way was a combination of an 86.5' long by 21' wide by 6' high arch culvert at the inlet side and a 50' long by 13' wide by 7' high box culvert at the outlet side. The two sections met at an angle, and in total the entire culvert was more than 141' in length. The culvert’s capacity was less than 1000 cfs prior to overtopping. The culvert at the Winburn Way Bridge continued to pose serious flooding in the project area. Through the use of public participation meetings and input from the City, local professionals, and citizens, a decision was made to proceed with the evaluation of improving the crossing in the 1997 building season. Through the community involvement process, seven alternatives for the Winburn Way Bridge were evaluated. The decision was made to use a precast arch bridge/culverts system because this type of bridge was the most attractive for its cost, and would be an improvement to fish habitat in addition to providing flood protection. The newly constructed precast arch bridge/culvert system is 72' in length by 32' in width by 7' in height, and has been designed to convey the 100-year design storm. The creek will run over its natural bottom, a significant improvement for fish habitat. A hydraulic model was used to run various alignment scenarios in order to determine the optimal design. Incorporated into the design to accommodate a 100yr flood, was creek bank stabilization extending 107' from each side of the bridge's 32' width for an improvement length of 247'. The new bridge encourages pedestrian interaction and contributes to the character of Ashland's historic downtown.

Action Plan History

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<th>Version</th>
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<tr>
<td>B-98-MU-41-0008 AP#1</td>
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