A  Lake 4 Northwest Embankment and Emergency Spillway
- Breach repair with clay core
- Riprap-lined spillway directs flood flows into Lake 4

B  Lake 3 Return Channel to South Branch Ditch
- Existing channel, no repair needed
- Conveys flows from Lake 3 to South Branch if necessary under normal conditions

C  Lake 4 Inlet Repairs
- Embankment repair
- Reconstruct run-down from South Branch diversion on repaired embankment

D  Lake 4 Sediment Removal Area
- Remove large volume of sediment in bottom of Lake 4

E  Lake 4 Emergency Spillway
- Cut/fill to create emergency spillway
- Construct access road and cut-off wall on crest to outlet

F  Lake 4 Dam/Eastern Embankment
- Reconstruct embankment with toe drain

G  Lake 4 Outlet Structure
- Demo/remove existing outlet structure
- Install new outlet (two towers with pipeline in between)

L  Clough & True Ditch Disposal Area (PW 1198)
- Place fill material to restore function of ditch

L  West Lake Fill Area
- Place up to 152,000 CY in bottom of reservoir (dead storage)

L  West Lake Embankment Repair (PW 1196)
- Restore dam/embankment with clay core & outlet to A-Frame
- Add emergency spillway and siphon for ditches
- Reconstruct South Branch light-vehicle crossing (box culvert)

L  A-Frame Pond Outlet Repair (PW 1196)
- Construct outlet, including box culvert to creek
- Restore scour area including 61st St.

L  Ramey Fill Area
- Utilize sediment as fill to restore scoured upland area

L  Fill Exported to County Yard for Future Projects
- Haul fill via 61st Street (Haul distance = 4.0 mi.)

O  Outlet Pipeline—Relined
- Slip line 2,100 LF of existing pipeline (purple dashed line)
- Install 4 new manholes for pipeline access (orange dots)

O  Outlet Pipeline—New Segment
- 300 LF of new pipeline

O  Outlet Pipeline—Measurement Structure
- In-ground vault with flume measurement (shown orange)
- Pipeline discharges into A-Frame Pond outlet near creek

O  Outlet Pipeline - Staging and Refueling Areas