

**BOC JOINT WORKS INFRASTRUCTURE & SPECIAL ITEMS SUMMARY**  
Wood River Valley Irrigation District 45 (D45) & the Triangle Irrigation District (TID)  
Assets, Prioritization, Budgets and Schedule for Improvements and Maintenance

19 OCTOBER, 2017 - FINAL

The intent of this document is to inventory all of the Joint Works Assets, area of improvements and maintenance and new equipment "SPECIAL ITEMS". Additionally this summary provides budgeting and prioritization of said special items. This was produced through mutual effort from individuals of the TID, WRVID #45, as well as BOC directors and staff. This document can be used in the following years and be updated annually as all formatting and tracking is made integral. This is to be a visual representation of the condition of the infrastructure as well as to outline current and future needs as well as being a technical summary.

**Organization:**

The order of the photos, descriptions, budgets etc. all follow the "Wood River Valley Irrigation district #45 and Triangle Irrigation District Joint Works map."

**Budgets of "Maintenance /Upgrades – Items, Areas and Special Projects/ Equipment"**

**Maintenance/Upgrades - Items (Items 1-32)** -In all instances other than routine maintenance of tree/bush cutting, herbicide application, burning etc. cost estimate pricing is from staff and or 3<sup>rd</sup> Party Suppliers or Subcontractors. The BOC may be able to have it's own staff perform many of the repairs/upgrades "in-house" in its entirety, with labor, or in tandem with subcontractors for financial savings. These items for maintenance/upgrades are described as being done at or to specific infrastructure/ locations

**Maintenance/Upgrades – Areas (Areas A-Q)**- On the attached Google Earth photos; areas are defined be lettered nomenclature on the "Wood River Valley Irrigation district #45 and Triangle Irrigation District Joint Works map." These areas have work descriptions pertaining to projects with budgets and prioritization.

# WOOD RIVER VALLEY IRRIGATION DISTRICT #45 AND TRIANGLE IRRIGATION DISTRICT JOINT WORKS



**I. “MAINTENANCE/UPGRADES-ITEMS”**

**1a. Main Gate**

**Condition:** Entire main gate steel, concrete etc. is in fair condition

**Repairs/upgrades:** Major leaks at gates. Concrete erosion at base slab needs to be addressed



**Schedule Recommendations:** 2018

LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
	TOTAL HEAD GATE	\$120,000		
1A	IMPROVE OPERATION OF (E) GATES		\$1,000	2018
1A	MAIN GATE REPAIR- CONCRETE EROSION	\$0	\$5,000	2018

**1b. Main Gate Area –Retaining Wall**

**Condition:** POOR condition-

**Repairs/upgrades:** new braces/panels

**Schedule Recommendations:** 2017



	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
1b	DEMO., CLEAN UP, INSTALL NEW PANELS	\$12,000	\$0	2017
		\$0	\$0	

**1c. Main Gate Area –River Retaining**

**Condition:** Poor condition- has public falling concern, is eroding and will need to be amended.

**Repairs/upgrades:** Demo and install new Concrete Retaining Wall

**Schedule Recommendations:** Long-term, 3+ years. Districts should budget a contingency fund for this likely expensive repair that WILL be needed in the event of a high water year.



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
1c	DEMO- NEW CONC. RETAIN	\$9,000	\$6,500	2019

**1d. Main Gate Area -Bridge**

**Condition:** Fair condition- has public and staff safety concerns.

**Repairs/upgrades:** The BOC should recommend they have safety gates installed on each end similar to main gate.

**Schedule Recommendations:**

**OWNED BY D37.**



**1e. Main Gate Area –Monitor Station**

**Condition:** Good condition- no upgrades necessary

**Repairs/upgrades:** none

**Schedule Recommendations:**

**OWNED BY D37.**



### 1f. Main Gate Area

**Condition:** Fair

**Repairs/upgrades:**

**Schedule Recommendations:**

**OWNED BY PRIVATE PARTY**



### 2a. Ed's Drop – Spill Pool/Seepage

**Condition:** poor

**Repairs/upgrades:** Flow testing to determine ditch losses over various seasons, and years.

**Schedule Recommendations:**



	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
2a		\$20,000	\$0	0

**2b. Ed's Drop– Bridge**

**Condition:** fair

**Repairs/upgrades:** none

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT ) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
2b		\$400	\$0	

**2c. Ed's Drop– Gates**

**Condition:** Good

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
2c	NEW SAFETY FENCE GATES	\$0	\$600	2019

## 2d. Ed's Drop

**Condition:** Poor

**Repairs/upgrades:** Need to remove old not used conc. structure

**Schedule Recommendations:**

**OWNED BY PRIVATE PARTY**



## 3. Hwy. 75 Staff Gauge

**Condition:** Good

**Repairs/upgrades:** N/A

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
3		\$3,500	\$0	



#### 4. Meyers Diversion

**Condition:** Fair

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
4	EXISTING STRUCTURE	\$3,000	\$0	
4		\$0	\$0	

#### 5. Silver Creek Farms Check

**Condition:** Good

**Repairs/upgrades:** New planks had been added.

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
5		\$3,500	\$0	

## 8. Walker Diversion

Condition: good

Repairs/upgrades:

Schedule Recommendations:



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
8	EXISTING STRUCTURE	\$17,000	\$0	N/A
8		\$0	\$0	0
8		\$0	\$0	0

## 9. Walker South

Condition:

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY TID**



## 10. Pero "T"

**Condition:**

**Repairs/upgrades:**

**Schedule Recommendations:**

**OWNED BY TID**



## 11. Gannett Diversion

**Condition:** Fair

**Repairs/upgrades:** Center diverters need concrete reinforcement as well as spillways and leaky areas

**Schedule Recommendations:** 2018



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
11	EXISTING STRUCTURE	\$49,000	\$0	N/A
11	FIX CONC. LEAKS/POUR CONCRETE, REPAIR CENTER DIVERTERS, CONC. SPILLWAY	\$0	\$3,500	2018

## 12. W. Gannett/ Kingsbury Parshal Flume

**Condition:** Good

**Repairs/upgrades:** None

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
12	N/A	\$7,800	\$0	

## 14. Bellevue Farms North

**Condition:** Fair

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
14	EXISTING STRUCTURE	\$16,500	\$0	N/A
14	CONC. SLAB AT DROP	\$0	\$1,200	2019
14		\$0	\$0	0

## 15. Bellevue Farms South

**Condition:** Good

**Repairs/upgrades:** Make seats for drop boards

**Schedule Recommendations:** 2019+



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
15	EXISTING STRUCTURE	\$3,400	\$0	N/A
15	"C" CHANEL SLOTS FOR DROP PLANKS	\$0	\$0	2019

## 16. Bellevue Farms Drop

**Condition:** Fair

**Repairs/upgrades:** Long-term may need cobble fill or conc. repair or full removal then grading to solve a future "creep back " potential

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
16	MONITOR FLOW ACROSS- FOOT BRIDGE	\$7,500	\$0	

## 17. Struthers North

**Condition:** Fair

**Repairs/upgrades:** Planks have been replaced, (1) New metal gate, (2) metal frame for gates

**Schedule Recommendations:** 2019



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
17	EXISTING STRUCTURE	\$16,500	\$0	0
17	METAL GATE FOR (1) BAY, METAL FRAME FOR (2) GATES AT TOP	\$0	\$1,850	2019
17		\$0	\$0	

## 18. Struthers Gauge West

**Condition:** Good

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
18	EXISTING STRUCTURE	\$4,500	\$0	
18	REPAIR DEGRADING CONC.	\$0	\$0	

## 19. Baseline Divide

Condition: Poor

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY PRIVATE PARTY**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
19	EXISTING STRUCTURE	\$12,000	\$0	0
19		\$0	\$0	0

## 20. Struthers Gauge East

Condition: Good

Repairs/upgrades:

Schedule Recommendations:



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
20	N/A	\$4,500	\$0	0

## 21. Struthers Pond

Condition:

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY PRIVATE PARTY**



## 22. Rinker's Pit

Condition: Good

Repairs/upgrades:

Schedule Recommendations:



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
22		\$12,000	\$0	0



### 23. Beck's Diversion

Condition:

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY TID**



### 26. Rinker Diversion

Condition: Good

Repairs/upgrades:

Schedule Recommendations:



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
26	N/A	\$0	\$0	

## 27. Gannett East Staff Gauge

**Condition:** Very Good

**Repairs/upgrades:** We can/ will design our own flow measurement table

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
27	N/A	\$4,500	\$0	

## 28. Griffin Ranch

**Condition:** Very Good

**Repairs/upgrades:**

**Schedule Recommendations:**

**OWNED PRIVATELY**



## 29. Cove Staff Gauge

Condition:

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY TID**



## 31. Cove Diversion

Condition:

Repairs/upgrades:

Schedule Recommendations:

**OWNED BY TID**



## II. “MAINTENANCE /UPGRADES – AREAS”

Note: Areas designated by these maps will have annual general maintenance with burning, cutting, herbicides, chipping, mowing etc. This portion of the document is only listing specific maintenance/upgrades per these areas.



### THE MAINS

This view is to show the area/context of the main head gate, check and up river conditions.



**A. HOWARD PRESERVE**

It is understood that this is a sensitive area as a park/preserve. Coordination with the stakeholders is necessary. Long-term plan for a few trees per year is recommended on one side of the ditch and in intermittent areas.

Monies to be applied for the removal and or trimming, topping, of dangerous dead standing, risk of falling, establish certain maintenance access areas and safety related issues. These monies are not for clear cutting of trees. Misc. annual deadfall clean up and trimming, burning- is in general maintenance budget.

LOCATION #	REPAIR/ UPGRADE	TREES PER YEAR	ANNUAL BUDGET OF MAINTENANCE	PRIORITY
A	REMOVE OF CERTAIN TREES FOR ACCESS/ GENERAL MAINT	3	\$3,300	2018



**B. GLEN ASPEN**

Monies to be applied for the removal and or trimming, topping, of dangerous dead standing, risk of falling, establish certain maintenance access areas and safety related issues. These monies are not for clear cutting of trees. Misc. annual deadfall clean up and trimming, burning- is in general maintenance budget.

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
B	REMOVE OF CERTAIN TREES FOR/ SAFETY & ACCESS		\$3,300	2018



**C. ED'S DROP**

Monies to be applied for the removal and or trimming, topping, of dangerous dead standing, risk of falling, establish certain maintenance access areas and safety related issues. These monies are not for clear cutting of trees. Misc. annual deadfall clean up and trimming, burning- is in general maintenance budget.

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
C			\$0	
C	TREES FOR ACCESS/ GENERAL		\$3,300	2018



**D. LABRADOR LANE**

Misc. annual clean up, herbicide, and trimming, seeding burning- in general maintenance budget.

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
D		\$0	
D		\$0	





**E. NORTH QUARTER HORSE**

Misc. annual clean up, herbicide, and trimming, seeding burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
E		\$0	



**F. GLENDALE ROAD**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION	REPAIR/ UPGRADE		EXPENSE	PRIORITY
F			\$0	
F	N/A		\$0	N/A



**G. DERBY ROAD**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
G		\$0	0



**H. PERO ROAD**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
H	N/A		\$0	



**I. GRIFFIN RANCH**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
I		\$0	



**J. KINGSBURY/GANNET**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
J		\$0	0



**K. Rinker's Pond**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
K			\$0	N/A



**L. KINGSBURY ROAD**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
L	N/A		\$0	N/A





**M. BROWNING**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
M	N/A		\$0	N/A



**N. Cove North**



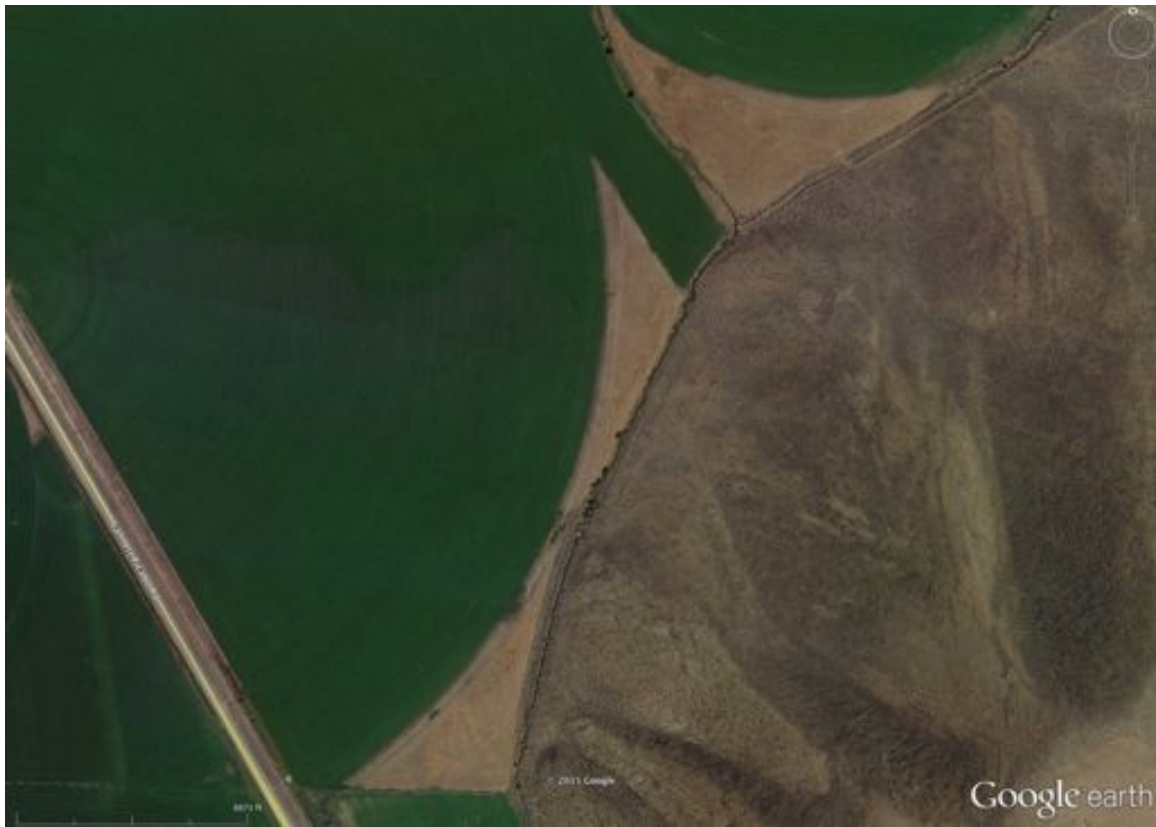
**O. Pero Road East**

Misc. annual clean up, herbicide, and trimming, seeding, burning- in general maintenance budget

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
0	N/A		\$0	N/A



**P. Cove Middle**



**Q. Cove South**

**I. "SPECIAL ITEMS"**

Long term improvements- row shaping heavy equipment/ seeding, gravel removal

<b>LONGTERM IMPROVEMENTS- ANNUAL IMPROVEMENT DITCHES INFRASTRUCTURE</b>			
<b>#</b>	<b>ITEM</b>	<b>COST</b>	<b>PRIORITY</b>
1	LONG TERM IMPROVEMENTS- ROW SHAPING HEAVY EQUIPMENT/ SEEDING, GRAVEL REMOVAL	\$10,000	2018
2		\$0	0
3		\$0	0
4		\$0	0
5		\$0	0