

# 2019 BOC JOINT WORKS FINANCIAL INFRASTRUCTURE SUMMARY

Wood River Valley Irrigation District 45 (D45) & the Triangle Irrigation District (TID)  
Assets, Prioritization, Budgets and Schedule for Improvements and Maintenance

25 SEPTEMBER 2018 - 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 should 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."

*NOTE: The numbering or lettering references may not be exactly consecutive. This is due to referencing a "Macro" BOC resource with many more referenced locations using the same coding system. The numbering and lettering referenced in this document is ONLY for items that are jointly owned and would maintained or improved with joint funds. The other numbered or lettered items, not included in this document" are privately owned and not part of this financial summary.*

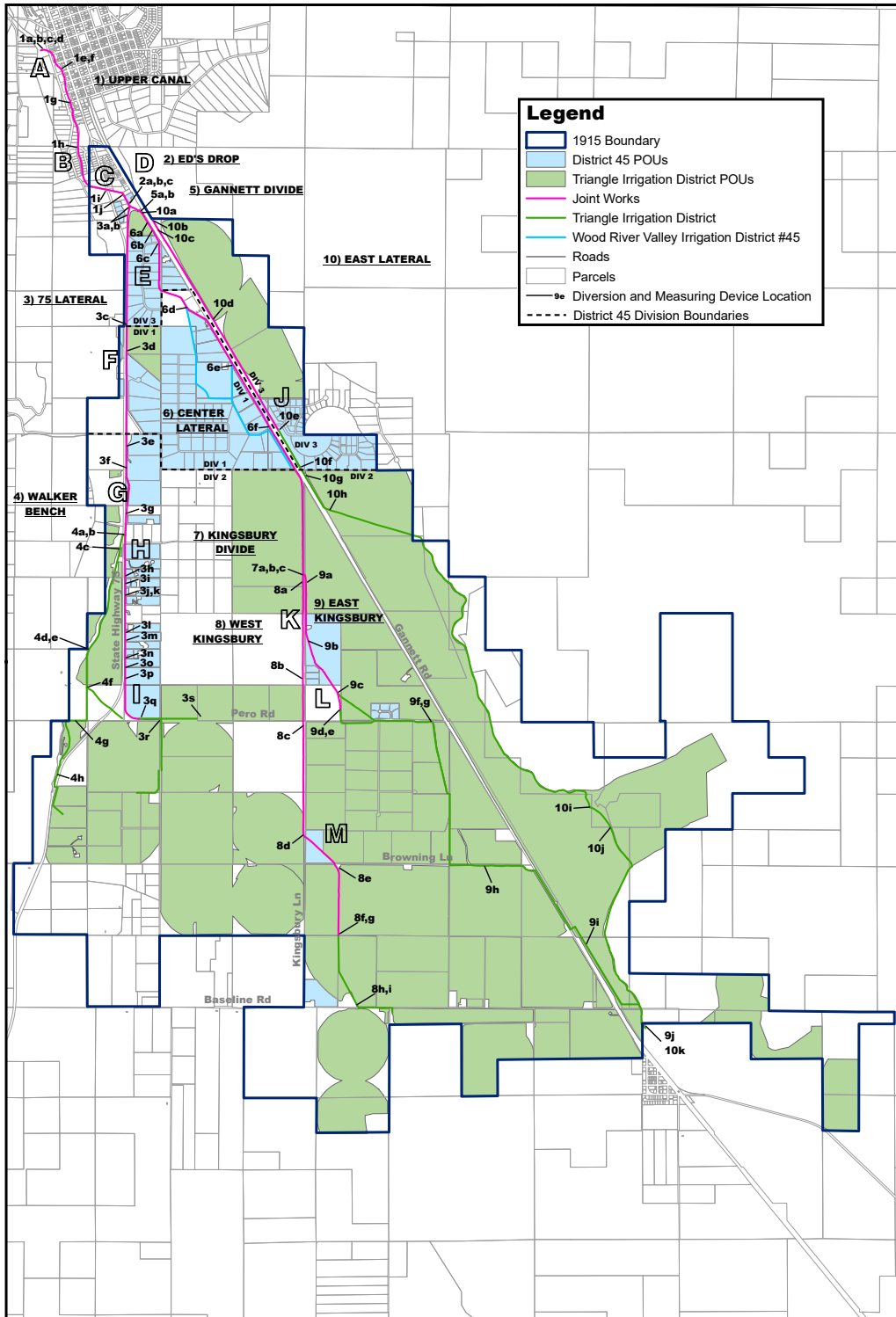
## Financial Budgets for:

**"B1" Maintenance/Upgrades – "ASSETS" (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

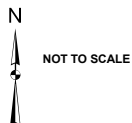
**"B2" Maintenance/Upgrades – "AREAS" (Areas A-Q)**- On the attached Google Earth photos; areas are defined be lettered nomenclature on the "Wood River Valley Irrigation district #45 and Triangle Irrigation District Joint Works map." These areas have work descriptions pertaining to projects with budgets and prioritization.

**"B3" – "SPECIAL PROJECTS"**-These are larger and or "Special" projects that are often part of the long-term vision or goals for the entire district infrastructure. Goals being to be able to maintain the district more efficiently thereby saving operating costs. Or, to increase monitoring and or issuance of water in a more accurate accountable manner. This category could also be for purchasing of necessary larger cost equipment items.





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



GALENA ENGINEERING, INC  
10/10/18

# “B1” IRRIGATION DISTRICT – MAINTENACE/UPGRADES TO ASSETS

## 1 UPPER CANAL

### 1a. Main Gate

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

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

**Schedule Recommendations:** 2019



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
	TOTAL HEAD GATE	\$120,000		
1A	CONTINUE TO ADDRESS LEAKS	\$0	\$3,000	2019

### 1b. Upper Canal –Retaining Wall

**Condition:** Excellent

**Repairs/upgrades:** none

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
1b		\$5,000	\$0	
		\$0	\$0	

**1c. River Side –Retaining Wall**

**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	REPLACE WITH BLOCKS	\$10,000	\$4,000	2019

**2. ED’S DROP**

**2a. Upper Measuring Bridge**

**Condition:**

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
2a		\$500	\$0	0

**2b Ed's Drop**

**Condition:** poor

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

**Schedule Recommendations:**



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

**2c. Ed's Drop– Lower Measuring Bridge**

**Condition:** fair

**Repairs/upgrades:** none

**Schedule Recommendations:**



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

### 3. 75 LATERAL

#### 3a. 75 Diversion Gates

Condition: Good

Repairs/upgrades:

Schedule Recommendations:



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
3a		\$20,000	\$0	

#### 3b. 75 Weir

Condition: Good

Repairs/upgrades: N/A

Schedule Recommendations: N/A



LOCATION	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
3b		\$7,800	\$0	

## 5. GANNETT DIVIDE

### 5a. Gannett Divide

**Condition:** Fair

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

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
5a		\$25,000	\$0	

## 6. CENTER LATERAL

### 6a. Center Weir

**Condition:** Good

**Repairs/upgrades:** None

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
6a		\$7,800	\$0	



**6c. Barker Drop Take Out**

**Condition:** Good

**Repairs/upgrades:** None

**Schedule Recommendations:** N/A



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
6c		\$8,000	\$0	

**6e. Bellevue Farms South Take-Out**

**Condition:** Fair

**Repairs/upgrades:**

**Schedule Recommendations:** 2019



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
6e	FORTIFY FLOOR	\$8,000	\$1,000	2019

## 6f. Bellevue Farms Drop

**Condition:** Fair

**Repairs/upgrades:** Needs cobble fill or conc. repair to solve future “creep back” potential

**Schedule Recommendations:** 2019



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
6f	FORTIFY FLOOR	\$2,500	\$1,000	2019
		\$0	\$0	

## 7. KINGSBURY DIVIDE

### 7a. Kingsbury Divide

**Condition:** Fair

**Repairs/upgrades:** Planks have been replaced. Gates work well. Needs floor refortified

**Schedule Recommendations:** 2019



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
7a	NEW FLOOR	\$7,500	\$1,000	2019

**8. WEST KINGSBURY**

**8a. West Kingsbury Weir**

**Condition:** Good

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
8a		\$4,000	\$0	0

**8i. Baseline Pond Take Out**

**Condition:**

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
8i	BUILD	\$4,500	\$2,000	2019

**9. EAST KINGSBURY**

**9a. East Kingsbury Weir**

**Condition:** Good

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
9a		\$4,000	\$0	0

**9c. Anderson Divide**

**Condition:** Good

**Repairs/upgrades:**

**Schedule Recommendations:**



LOCATION #	REPAIR/ UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/ UPGRADE	PRIORITY
9c		\$5,000	\$0	

**9d. Rinker Pond**

**Condition:** Fair

**Repairs/upgrades:**

**Schedule Recommendations:** 2020



LOCATION #	REPAIR/UPGRADE	CURRENT (REPLACEMENT) VALUE	BUDGET OF REPAIR/UPGRADE	PRIORITY
9d		\$5,000	\$0	

**10 EAST LATERAL**

**10c. Belle Weir**

**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
10c		\$7,000		

## “B2” MAINTENANCE /UPGRADES – AREAS WITHIN THE DISTRICT

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		ANNUAL BUDGET OF MAINTENANCE	PRIORITY
A	REMOVE OF CERTAIN TREES FOR ACCESS/ GENERAL MAINT		\$3,000	2019



**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		\$2,000	2019





**C. WALKER'S TREES**

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	REMOVE OF TREES FOR ACCESS/ GENERAL MAINT		\$3,000	2019



**D. ED'S DROP**

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

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
D		\$0	



**E. LABRADOR LANE**

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

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
E			\$0	



**F. NORTH QUARTER HORSE**

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

LOCATION	REPAIR/ UPGRADE		EXPENSE	PRIORITY
F			\$0	



**G. GLENDALE ROAD**

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

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



**H. DERBY ROAD**

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

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
H			\$0	



**I. PERO ROAD**

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

LOCATION #	REPAIR/ UPGRADE		EXPENSE	PRIORITY
I			\$0	



**J. GRIFFIN RANCH**

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

LOCATION #	REPAIR/ UPGRADE	EXPENSE	PRIORITY
J		\$2,000	2019





**K. KINGSBURY DIVIDE**

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

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



**L. Rinker Pond**

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			\$0	

**“B3” SPECIAL PROJECTS**

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<b>"B3" SPECIAL PROJECTS</b>			
<b>#</b>	<b>PROJECT / ITEM</b>	<b>COST</b>	<b>PRIORITY</b>
1	ROW SHAPING, HEAVY EQ, SEEDING, GRAVEL REMOVAL	\$4,000	2019
2		\$0	0
3		\$0	0
4		\$0	0
5		\$0	0