



**Lower Missouri River PAS Meeting
September 10, 2020
Montgomery and Gasconade counties**

<u>Location</u>	<u>Description</u>	<u>Potential Solution</u>	<u>Advantages</u>	<u>Challenges</u>
Hermann	Issues with emergency service access and truck traffic. This location on Hwy. 19 as it crosses Frene Creek is the only spot that will close between I44 and I70, causing traffic to route through residential and other undesirable routes.	replace/raise the Frene Creek bridge on Hwy. 19	Long term solution, work within existing right of way, minimal if any additional land required	cost of road construction
Hermann		Install a flood gate at the mouth of Frene Creek	No need for additional land	Cost and maintenance of the structure
Hermann	Issues with emergency service access and truck traffic.	raise Hwy. 100 East	Long term solution, work within existing right of way, minimal if any additional land required	cost of road construction
West of Portland on Highway 94	Flooding covers the highway	This area needs to be evaluated for elevation and potential solutions		
94 between Portland and Steadman	Seep water covers road	Raise highway to avoid closure		

Hwy 94 just west of intersection of Hwy 19/94 on the way to Rhineland	Flooding closes road	Raising would require minimal effort		
94 near Klondike Hill		Raise road		
RM 105	Shoaling issues at the mouth of the Gasconade River	Fix existing river training structures. Create structures in the places where they will fulfill flow requirements.	Restore functionality to the training structures. Cost to repair is less than building new structures. Long term solution	Cost of new structures
RM 91-92: Berger Bend	Issues gaining access easement for repair in event of levee breach	Programmatic easements/access agreements developed ahead of emergency	Reduce need for access agreement process during each flood.	
RM 91-92: Berger Bend	Navigation and flood conveyance issues. Dike notching on south bank, possibly diverting flow from main channel	Fill notches	Enables dikes to divert current to the main channel. No new construction needed.	
RM 91-92: Berger Bend	Overgrown federal land along river. Can catch sediment and cause the bank to rise	Adopt land management practices that encourage improved conveyance and wildlife use.	Improves ability of land to fulfill its flood management purpose without additional land acquisition.	Management costs will be ongoing.
Tri-County Levee	Creek cuts through the levee district, contributes uncontrolled flow to MO river	Build reservoirs along tributaries to manage flow into MO river	Long term flexibility for managing flood water	High cost
HWY 47	Road near Duztow off of 47 goes underwater	Raise road 2'-3'		
Length of lower mo river	Levee design in general	Slope design changes to shallower slope, fix low (settled) spots on levee, overtop points at bottom of levee to allow backup rather than breach		