06-15-2015 Flood Reports for Property Owner Follow-Up

Location	**907 E Pershing St. (Lisa Clausen e-mail)**
I.D.	2015-1
Description	Concerned with "every year" street flooding.
	Back yard drain doesn't help in major events (back yard floods "even more" per owner).
Analysis	In 2013 Northland Creek Study Area.
	Model predicts 1.4'/1.6'/2.1' flooding in 5/10/100-yr events.
	Study ID'd no recommended solution. Most promising (2A) significantly reduces flooding--$16M plus utility relocates.
Options	Do Nothing.
	Investigate possible backflow preventer for backyard drain.
	Refine analysis of Alt 2A, investigate added costs of utility relocates, permit issues.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
Follow-Up	Sue to contact P.O.
	Discuss backyard drain program at Work Group
	Install PaveDrain test location in 2015 for evaluation.

Location	**3225 N. Rankin St**
I.D.	2015-2
Description	Runoff overtopped curb and ran into back yard.
	Existing 6" backyard drain overwhelmed
Analysis	In 2013 Northland Creek Study Area.
	Model Predicts (<.5')/1.1'/1.7' flooding in 5/10/100-yr events
	Study ID'd no recommended solution. Most promising (2A) does not help this area.
Options	Do Nothing.
	Backyard drain exists, could investigate possible benefit of backflow preventer.
	Refine analysis of Alt 2A, investigate added costs of utility relocates, permit issues.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
Follow-Up	Kevin has contacted resident.
	Discuss backyard drain program at Work Group
	Install PaveDrain test location in 2015 for evaluation.

Location	**Oakwood Court between Pershing and Northland**
I.D.	2015-3
Description	Car stalled in deep water
	Reported thru Ald. Kyle Lobner
Analysis	In 2013 Northland Creek Study Area.
	Model predicts (Q-11)1.8'/2.3'/3.8' and (Q-12) 0.5'/0.9'/2.4' flooding in 5/10/100-yr events
	Study ID'd no recommended solution. Most promising (2A) provides significant benefits here for $16M plus utility relocates.
Options	Do Nothing.
	Refine analysis of Alt 2A, investigate added costs of utility relocates, permit issues.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
Follow-Up	Paula follow up w Ald. Lobner
	Install PaveDrain test location in 2015 for evaluation.

Location	**Meade-Grant Intersection**
I.D.	2015-4
Description	Street Flooding beyond ROW
	Reported thru neighbor Greg Gasper, who provided photos
Analysis	In 2014 Bellarie Study Area.
	Model predicts (Y-107?) 1.6'/2.7' flooding in 10/100-yr events
	Study ID'd no recommended solution. Most promising (SLVS) was $36M-$46M
Options	Do Nothing.
	Begin Implementing PaveDrain/Storage components as streets are reconstructed.
	Implement "Gray" or "Green" Alternatives for approx. $52M to $55M.
Follow-Up	Pete already followed up w/ neighbor
	Install PaveDrain test location in 2015 for evaluation.

Location	**Capitol Drive e-o Ballard Road**
I.D.	2015-5
Description	Street Flooding beyond ROW
	Traffic Camera
Analysis	In 2013 Northland Creek Study Area.
	Model predicts (RR-13) 0.8'/1.1' and (RR-16) /0.8'/1.3' flooding in 10/100-yr events
	Study ID'd no recommended solution. Most promising (2A) does nothing here.
Options	Do Nothing.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
Follow-Up	N/A. Traffic Camera only.

Location	**Meade Street – Northland Ave Intersection**
I.D.	2015-6
Description	Street Flooding beyond ROW, into Walgreen's parking lot
	Traffic Camera
	(See also downstream Traffic photo of Northland Channel e-o Ballard)
Analysis	In 2013 Northland Creek Study Area.
	Model predicts (R-1) 1.0'/1.2'/1.5' and (Q-33) /1.0'/1.1'/1.5' flooding in 5/10/100-yr events
	Study ID'd no recommended solution. Most promising (2A) provides some benefits here.
Options	Do Nothing.
	Refine analysis of Alt 2A, investigate added costs of utility relocates, permit issues.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
Follow-Up	N/A. Traffic Camera only.
	Install PaveDrain test location in 2015 for evaluation.

Location	**Memorial Drive n-o 6th Street**
I.D.	2015-7
Description	Street Flooding within ROW
	Traffic Camera
Analysis	In 2013 Spencer – Locust Update Study Area.
	Model does not include pipes in Memorial Drive.
	Flooding "about 1-ft" above crown reported by Operations near 8th S during 8//18/14 storm.
	Pursuing Alt 3A. Shows downstream benefits.
Options	Continue to pursue Alt 3A. Do nothing else.
	Refine analysis of Alt 3A, add this area to pipe network.
Follow-Up	N/A. Traffic Camera only.

Location	**2700 N. Viola Street**
I.D.	2015-8
Description	Ponded water "from sidewalk to sidewalk" and in backyards (yard drain stopped working)
	Report via email from Eugene "Skip" Palermo
Analysis	In 2013 Northland Creek Study Area.
	Model predicts (Q-25) 2.4'/2.6'/2.9' and (Q-26) 0.5'/0.7'/1.3' flooding in 5/10/100-yr events
	Study ID'd no recommended solution. Most promising (2A) essentially eliminates flooding in 100-yr event.
Options	Do Nothing.
	Refine analysis of Alt 2A, investigate added costs of utility relocates, permit issues.
	Add PaveDrain/Storage component to previous study alternatives, re-study.
	Review backflow possible backflow preventer for yard drain
Follow-Up	Provide follow-up email to Mr. Palermo.
	Discuss backyard drain program at Work Group
	Install PaveDrain test location in 2015 for evaluation.

Location	**Mason Street at RR underpass**
I.D.	2015-9
Description	Deep ponded water in street flooded car
	Photo from local TV station website, via Brian Wayner, OMNNI
Analysis	In Spencer Locust Study
	Model predicts 4.5'/6.4'/9.4' flooding in 5/10/100-yr events
	Selected alt eliminates flooding in 5, 10-yr events and reduces to 3' in 100-yr event.
Options	Continue to pursue Alt 3A on cost-effective schedule per paving program.
	Accelerate schedule for Alt 3A.
Follow-Up	N/A (News report)

Location	**Waupaca Elevator, 1726 N. Ballard Road**
I.D.	2015-10
Description	One or two inches of water in entryway of building
	Several inches of water in parking lot
Analysis	In 2013 Ballard Road Study Area.
	Model predicts 2.2'/2.4'/3.3' flooding in 5/10/100-yr events
	Selected Study Alt 2 (Leona Pond) reduces flooding to 0.9'/1.1'/2.3' in those events
Options	Continue planned construction of Ballard outfall sewer in 2017, Leona Pond in 2018.
Follow-Up	Engineering followed up w/ Waupaca Elevator, providing project schedule.