STORMWATER RESILIENCY: WHAT IT MEANS FOR LOCAL HIGHWAYS

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• Short – Heavy – Intense Rainfalls


LAND USE

STORMWATER PROBLEMS

- Excess Flow
- High Velocity
- Sedimentation
- Perpendicular Flow
- Poor Culvert Condition
EXCESS FLOW

HIGH VELOCITY

STREAM EROSION

SEDIMENTATION

OVER TOPPING

PERPENDICULAR FLOWS
POOR CULVERT CONDITION

WHAT CAN BE DONE?

Inspections
Reduce Volume
Reduce Velocity
Stabilize

INSPECTIONS

DIVERSION

• Reduce Volume

STORAGE:

Retention/Detention
Ponds/Wetlands

• Reduce Volume

REDUCE VELOCITY

• Slow the Flow Down!
VERTICAL DROPS
Reduce Velocity

CHECK DAMS:
Reduce Velocity

CHECK DAMS:

RIP RAP OUTLETS

SPLASH POOL
STABILIZE

- Identify Vulnerable Locations
- Have a Contact Protocol
- Watch the Weather
- Expect the Worst

HAVE A PLAN!

- Reduce the Volume
- Reduce the Velocity
- Stabilize
- Inspect
- Maintain!

What can be done to Improve Resiliency to Stormwater?

Have A Plan!

THANK YOU!

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