

working for clean rivers



Hollywood-Grant Park Sewer Rehabilitation Council Item #366

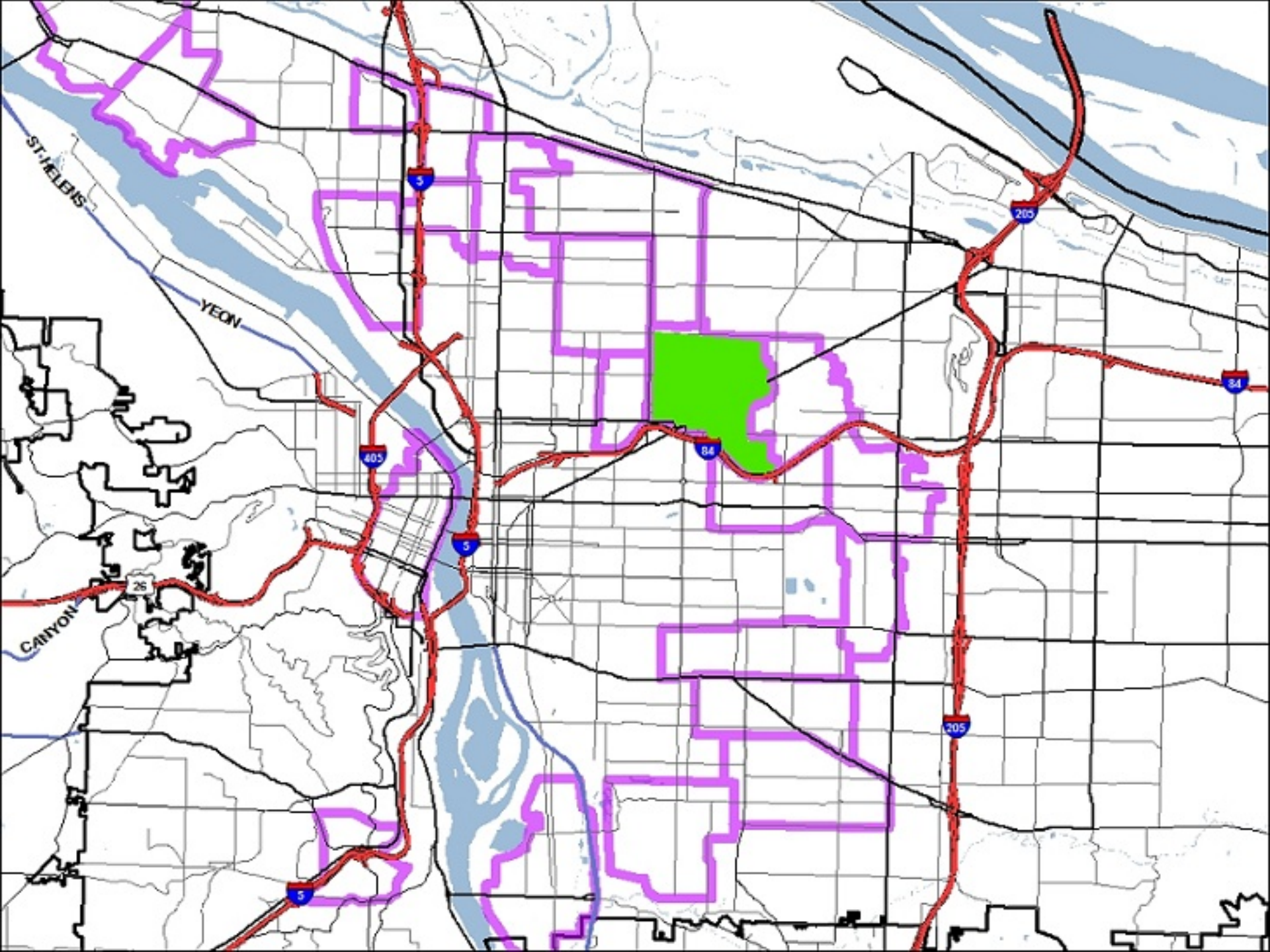
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Jill Hutchinson, P.E., Project Manager
Bureau of Environmental Services

April 8, 2015



**ENVIRONMENTAL SERVICES
CITY OF PORTLAND**

NICK FISH, COMMISSIONER
JAMES HAGERMAN, INTERIM DIRECTOR



AAU494

TO

AAU457

FT 31.1

0

FPM 0

ANK894
9/9/2009

ANK892

54.5 FT

SMH AAY378
W.O #234378

TO

SMH AAY445
04/21/09

MH ABH336
2/5/2010

TO

MH ABH204

265.2 FT

355.4 FT
Upstream node: abd328
Downstream node: abd319

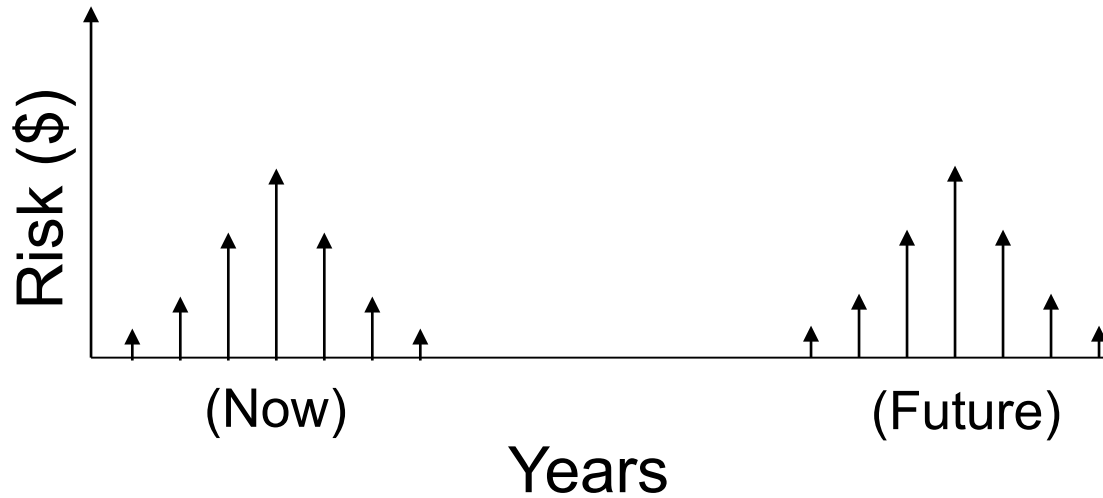


Project Objectives

Risk = Consequence x Likelihood



Alternatives Analysis

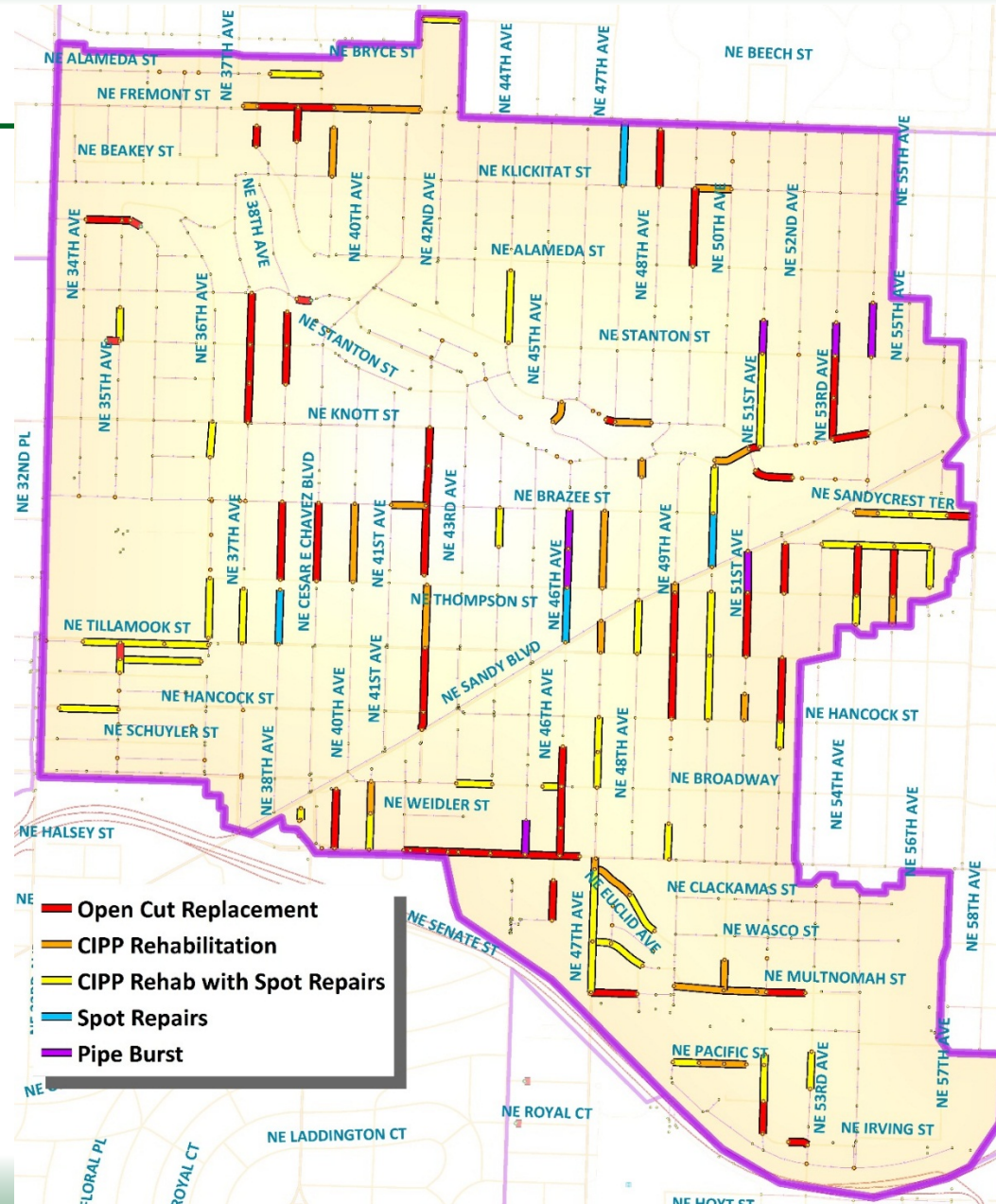


nBCR



Project Overview

- 142 pipes
- 36,000 ft. / 6.8 mi.
- 6" to 36" diameter
- 75% more than 100 years old
- 75% residential streets
- 25% major streets



Public Impact

- Work Near Schools
 - Grant HS Beaumont MS
 - Normandale ES Archbishop Howard School
 - Beverly Cleary-Hollyrood ES
- Night Work & Noise Variance Locations: 13 sites
 - Large liner pipes: 3 residential and 3 busy streets
 - Small liner pipes in busy streets: 3 sites
 - Open-trench work in busy streets: 4 sites



HOLLYWOOD-GRANT PARK SEWER AND STORMWATER PROJECT

-
- PIPE WORK—NIGHT**
- PIPE WORK—DAY**
- INTERSECTIONS WITH STORMWATER FACILITIES**
- Simplified map – not to scale ES 1475 rev DEC 2014



Vitrified Clay Pipe (VCP)

- BES typically uses PVC
- Toxics Reduction Policies:
 - Toxics Reduction Strategy (2006)
 - Healthy Purchasing Initiative (2012)
- Diversify material sources
- One of four pilot projects



Project Budget and Schedule

- Engineer's Estimate: \$9.0m
- Level of Confidence: High
- Advertise Contract: April
- Award Contract: May
- Begin Construction: August
- Construction Duration: 18 mos.



Questions



Thank you

