City of Carson City Agenda Report

Date Submitted: May 6, 2011

Agenda Date Requested: May 19, 2011

Time Requested: 60 minutes

To: Mayor and Supervisors From: Public Works

Subject Title: Special presentation that updates the progress and plans of the Carson City

Storm Water Management Program (Andrew Burnham/Robert Fellows)

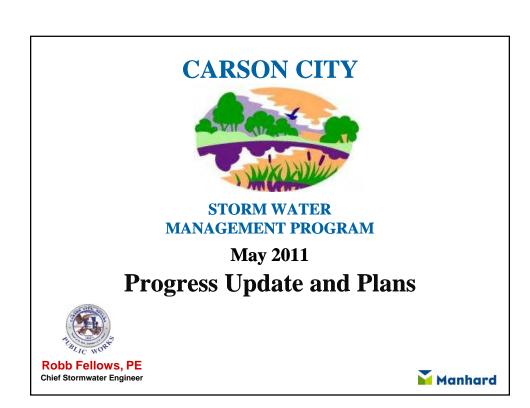
Staff Summary: In early January 1997, Carson City was impacted by a rare flood event generated from an unusual and prolonged winter-time storm. This event caused wide-spread and costly flood damages throughout the city. Since that time, the city – via the Public Works Department - has taken steps to reduce the recurrence of such flooding and to minimize future damages to public and private properties alike. One crucial step in this process was the formation of the Carson City Storm Water Management Program and the City's Storm Water Utility. This presentation provides a timeline of the activities and events that have shaped the Storm Water Management Program and Utility from the 1997 flood to the present. Presentation highlights include: 1) an overview of the program and its integration with FEMA's National Flood Insurance Program; 2) the review of recent floodplain studies and flood hazard map revisions within the city; 3) the current and future plans for stormwater capital improvements within the program; and 4) an introduction of future plans for and needs of the Storm Water Management Program.

Type of Action Requested: (check one)
() Resolution () Ordinance () Formal Action/Motion (X) Other (presentation)
Does This Action Require A Business Impact Statement: () Yes (_X_) No
Recommended Board Action: None
Explanation for Recommended Board Action: N/A
Applicable Statute, Code, Policy, Rule or Regulation: N/A
Fiscal Impact: No fiscal impact.
Explanation of Impact: N/A
Funding Source: N/A
Alternatives: N/A

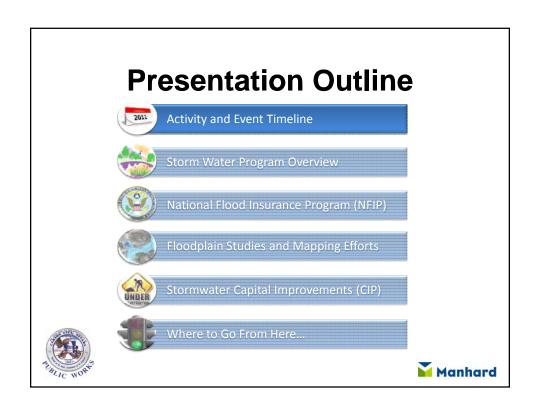
Supporting Material: Power point presentation

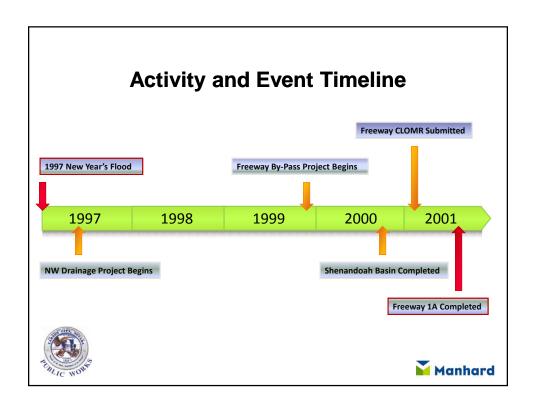
Prepared By: Robert Fellows

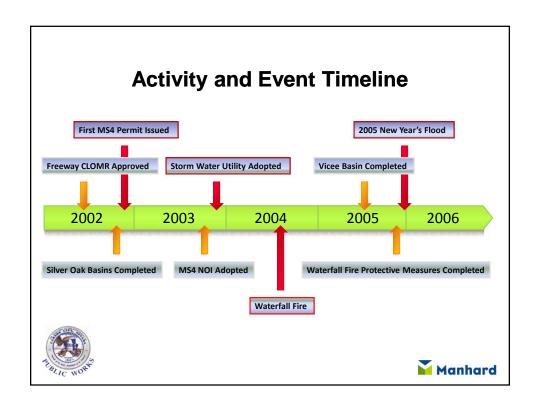
Reviewed B	y: Mhh		_ Date: _	5-10	-//
	(Public Works) A /		Date:	5-10	-//
	(City Manager)	11	Date: _	5/10/1	/
	(Finance Director)	hti	Date: _	5/10/1	/
Board Actio	n Taken:				
Motion:		1) 2)			Aye/Nay
(Vote	Recorded By)				

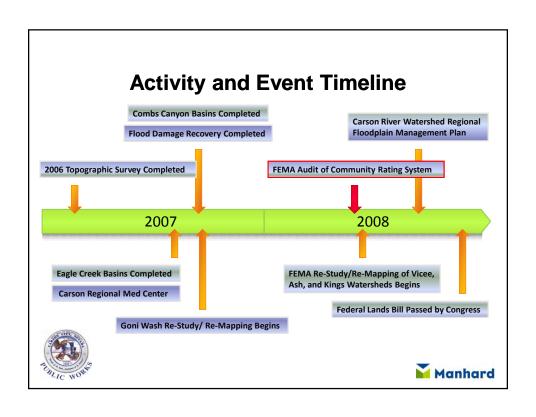


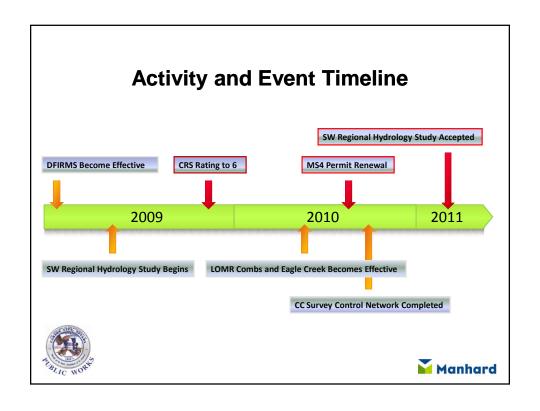


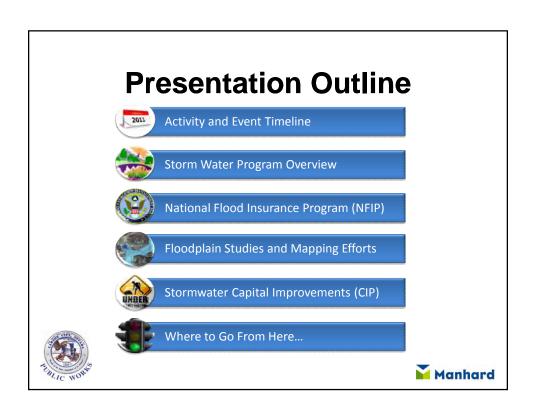


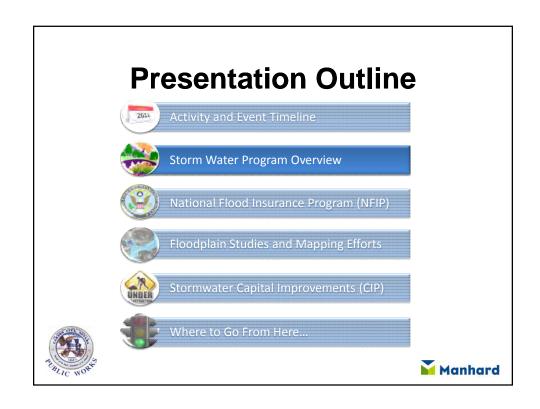


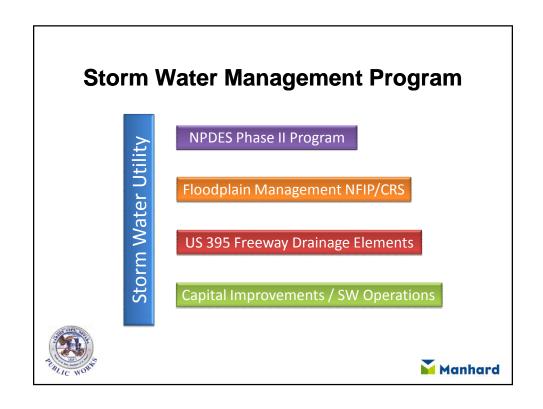












National Pollution Discharge Elimination System (NPDES) 1987 Amendments to the 1972 U.S. Clean Water Act USEPA's Regulation of Storm Water Runoff in Two Phases Unfunded Federal Mandate on State and Local Governments Enforced by Nevada Division of Environmental Protection (NDEP) NPDES Phase I 1990 Medium to Large Municipalities and Large Construction Sites (≥5 ac.)

Small Municipalities and Small Construction Sites (>1 ac.)

Manhard



Carson City NPDES Permit Renewal Requirements (2010)

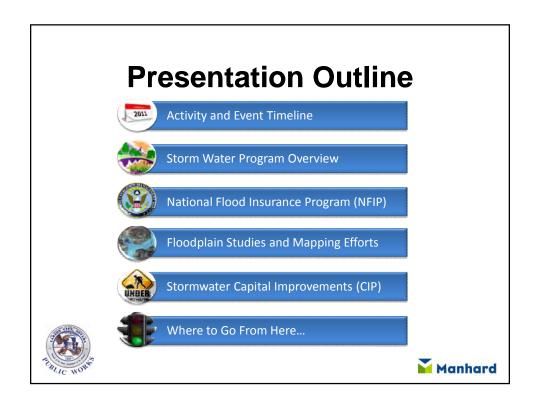
SAME Requirements from Initial Permit, PLUS:

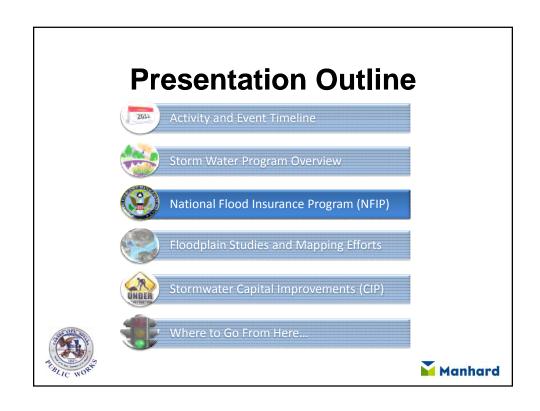
- 1. Low Impact Development (LID)
- 2. Redevelopment
- 3. Increased Public Outreach
- 4. Increased Program Documentation
- 5. Additional SW System Maintenance

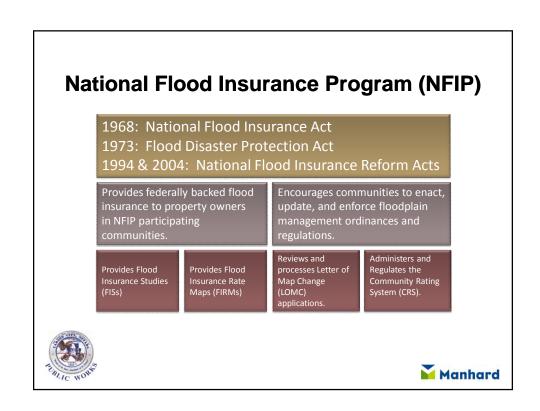


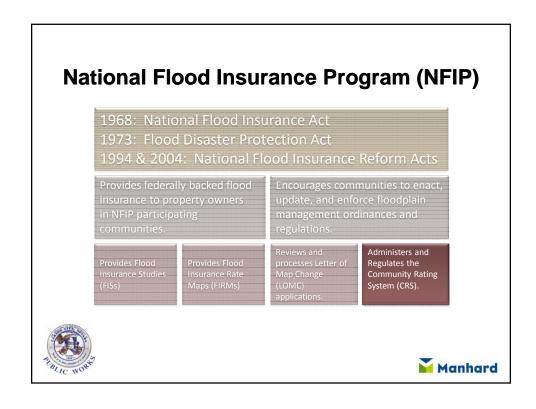
6. City SW Ordinance Changes

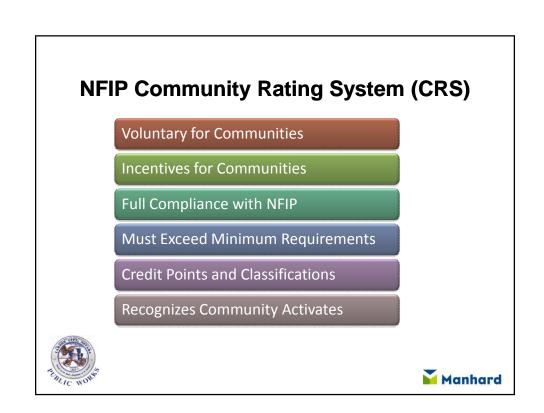












FEMA Recognized CRS Activities

Public Information

• Advise local populace of flood hazards, insurance, and protective measures.

Mapping and Regulation

• Enact and enforce regulations that exceed the NFIP minimum standards.

Flood Damage Reduction Acquire, relocate, or retrofit existing structures and maintain drainageways and retention basins.

Flood Preparedness

• Flood Warning, Emergency Response, Evacuation Plans, and Maintenance.





Credit Points, Classes, and Premium Reductions

CREDIT POINTS	CLASS	PREMIUM REDUCTION SFHA*	PREMIUM REDUCTION NON-SFHA**
4,500+	1	45%	10%
4,000 - 4,499	2	40%	10%
3,500 - 3,999	3	35%	10%
3,000 - 3,499	4	30%	10%
2,500 - 2,999	5	25%	10%
2,000 - 2,499	6	20%	10%
1,500 – 1,999	7	15%	5%
1,000 - 1,499	8	10%	5%
500 – 999	9	5%	5%
0 – 499	10	0	0





Credit Points, Classes, and Premium Reductions

CREDIT POINTS	CLASS	PREMIUM REDUCTION SFHA*	PREMIUM REDUCTION NON-SFHA**
4,500+	Carson	City currently	10%
4,000 - 4,499	2 has 2,0	040 credit points	10%
3,500 - 3,999	3 and a G	Class 6 CRS Rating	10%
3,000 - 3,499	4	30%	10%
2,500 - 2,999	5	25%	10%
2,000 - 2,499	6	20%	10%
1,500 – 1,999	7	15%	5%
1,000 - 1,499	8	10%	5%
500 – 999	9	5%	5%
0 - 499	10	0	0





Current CRS Classes

Nevada Communities

Community	Class
Carson City	6
Clark County	6
Douglas County	6
City of Henderson	6
City of Las Vegas	6
City of Mesquite	7
City of North Las Vegas	6
Storey County	8
Washoe County	7

National Statistics

Communities	Class
1	1
2	2
1	3
5	4
50	5
112	6

Roseville, CA only Class 1





