MSU Steam Distribution – Age and Type of System
Arch Tunnels

- Vault 92 to Vault 93 (fig. 1.7)
  - Small tunnel 4’ wide x 5’ tall
  - Structural failure under road
    - No means of predicting performance
  - 1’ to 2’ cover over tunnel

Crack in North wall
Crack in South Wall
• **Vault 93 to IM Circle** (fig. 1.8)
  - Deteriorating concrete
    • 25% section loss
  - 50% stanchions failed
    • Base rusted out, loose at ceiling
Steam Distribution – West Circle Steam Loop - 2012
Steam Distribution – West Circle Steam Loop - 2012

PHASE 1: FEB - APRIL 20
10 WEEKS
WORK AREA 1
- NO ROADS CLOSED
- SOME ON STREET PARKING CLOSED
- ONE LANE OF WEST CIRCLE CLOSED FOR 2012 WORK CONSTRUCTION
- SITE WORK SHUT DOWN DURING EXAM WEEK, APRIL 22- MAY 7

PHASE 2: MAY 7 - JUNE 8
3 WEEKS
EAST LANSING ART FESTIVAL (MAY 18-20)
WORK AREA 1
- CONTINUE WORK ON STEAM VAULTS 365, 367, 368

WORK AREA 2
- DEMO & RECONSTRUCT WEST CIRCLE DRIVE FROM ABBOTT TO BEAL

WORK AREA 3
- DEMO & RECONSTRUCT WEST CIRCLE FROM ABBOTT TO BEAL

PHASE 3: MAY 25 - MID JULY
7 WEEKS
WORK AREA 1
- CONTINUE WORK ON STEAM VAULTS 365, 367, 368

WORK AREA 4
- ABBOTT ROAD RECONSTRUCTION
- SHORT DURATION (JUNE 9 - JUNE 22)

WORK AREA 5
- EAST & WEST CIRCLE DRIVE RECONSTRUCTION
- EMERGENCY ACCESS DRIVE TO ON-LINE HEALTH CENTER FROM GRAND RIVER AVE
- TEMP DRIVE ACCESS TO LOT 7 & SOUTH OF OLD HORT
- TEMP TWO WAY TRAFFIC FROM AUDITORIUM TO WEST CIRCLE

PHASE 4: MID JULY - AUG 17
4 WEEKS
WORK AREA 5
- EAST & WEST CIRCLE DRIVE RECONSTRUCTION

AREA 1: CONSTRUCTION DURING SPRING BREAK

PEDESTRIAN ROUTES

DRAFT
PROJECT PHASES - 2012
Communication materials

Internal display boards

Brochures
Communication materials

Michigan State University uses steam to heat campus buildings. Some of the steam tunnels, on MSU's historic north campus, are more than 100 years old and in need of repair to avoid failures of steam delivery to north campus buildings. This West Circle Steam Loop project will address all of those needed repairs and ensure reliable steam service to this part of campus.

The project will occur in four segments spanning the summers of 2012 to 2015.

The 2012 segment of the project will include four phases. The 2012 phases will replace the steam distribution loop around West Circle Drive and repair and replace steam piping, supports, and equipment within existing steam tunnels.

For the most updated information and detour maps, visit: construction.msu.edu/westcircle2012
Project website

www.construction.msu.edu/westcircle2012

- Presentations
- Upcoming meetings
- FAQs
- Detour maps
More public meetings planned:

- **February 9**: 8:30 a.m., B122 Wells Hall (Construction Junction)
- **February 16**: 5:30 p.m., Old Horticulture, Room 206
- **March 8**: 8:30 a.m., B122 Wells Hall (Construction Junction)
- **March 29**: 1:30 p.m., MSU Union, Parlor A
- **April 12**: 8:30 a.m., James B. Henry Center (Construction Junction)
- **May 10**: 8:30 a.m., TBD (Construction Junction)
- **June 14**: 10: 8:30 a.m., TBD (Construction Junction)
- **July 12**: 8:30 a.m., TBD (Construction Junction)
- **August 9**: 8:30 a.m., TBD (Construction Junction)
Project contacts

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Additional Project Slides
Steam Distribution – West Circle Steam Loop - 2012