OREGON ZOO MASTER PLAN Project Schedule - Revised 01.12.11

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- **Visioning Kick-off**
- **Economic Analysis**
- **Presentation to Metro Council**
- **Draft Master Plan**
- **Final Presentation to Metro Council for Adoption**

*Dates and notes are placeholders for illustrative purposes.*
OREGON ZOO COMPREHENSIVE CAPITAL MASTER PLAN

PROPOSED CIRCULATION AND SITE ORGANIZATION TEST

- Cascades
- Ridge Spine
- West Hub
- Central Plaza
- New Elevator Stair at Ramp
- PRIMATES
- East Hub
- Discovery Theater
- Africa
- Theatre
- Operations
- Parking
THE FOREST HALL

180 degree Elephant Panorama
Bridge across fern slope edge as Panorama Gateway

Ganesh Hill Temple within Natural Forest Scape Setting w 360 degree view panorama at event decks

Multiple Level Viewing & Pool Options?

Interior Group Room w Views to Existing Forest thru High Glass Walls

Transfer, & Service Road

THE FOREST HALL
TRAIN LOOP OPTIONS

- **Existing Train**
- **Train A: Shortened Zoo Loop**
- **Train B: Existing Trestle as Loop**
- **Option C: New Trestle Loop**
- **Option D: Land Grab: New Station**
- **Option E: Enhanced Experience**
POINT OF DEPARTURE
NEW HEADWALL
ELEV 653'

STRUCTURAL SUPPORT
ELEV 650'

POINT OF LANDING
NEW HEADWALL
ELEV 647'

ROUTE TBD

ON STRUCTURE

LOADING DOCK
ACCESS TO
WORKSHED

TRAIN WORKSHED
UTILIZE EX TRACK
OR RELAY AT FLATTER SLOPE
POLAR BEAR – Coastal Shores

Headland
Continuous Ridge & Perches

Beach A:
Cobble Beaches

Beach B:
Erratic Boulder & Moraine Slumps

Beach C:
Sand-Gravel Beaches

Habitat Theater
Patrol Zone
Shallows to Deep
UW Viewing

Test Concept
Complex Headland-Beach

Polar Bears in 2 Flex Habitats
POLAR BEAR – Coastal Shores

Rocky Tundra Tidal Beach & Pools

Headland Ridge & Shore

Tidal Cobble or Mudstone Beach & Pools

Sea Stack Rocks

New Plaza Beyond

Visitor Viewing

Patrol Perimeter Shallows

High tide

Low Tide

Service Road

Bear Holding

Back Moat Wall or Fence

Long Sky Views
WATER: Reduce water use 50% below 2008 levels by 2025

- Reduce demand
- Efficiency
- Reuse
- Educate/demonstrate
METRO SUSTAINABILITY GOALS

HABITAT: Arrest and begin to reduce effective total impervious area.

- Stormwater management
- Habitat improvement
- Educate/demonstrate
WATER USE

- < 1 M gal/year
- 1 - 2 M gal/year
- > 2 M gal/year
YEARN WATER RESOURCE

INFLOW FROM TANNER CREEK'S UPSTREAM DRAINAGE BASINS: 8,500,000 gal/year

PARKING LOT SURFACE RUNOFF: 9,700,000 gal/year

AVAILABLE YEARLY STORMWATER + GROUNDWATER RESOURCE: 730,000 gal/year

EAST AND SOUTH BASIN RUNOFF: 11,900,000 gal/year

STORMWATER SENT OFFSITE VIA STORM AND COMBINED SEWERS: 30,830,000 + gal/year
TOP 5: Highest Electricity Use by Building/Exhibit

1. Steller Cove (26%)
2. Entry Complex (16%)
3. Africafe (6%)
4. Primates (6%)
5. Rainforest/Swamp (4%)
WATERSCAPE FRAMEWORK

FUNCTION
(WHAT DOES IT DO?)

COMPONENTS
(WHAT IS IT COMPOSED OF?)

CHARACTER
(WHAT DOES IT LOOK LIKE?)
WHAT DOES IT DO?

creates opportunities for play, exploration and education
BOND PROJECTS:
- ELEPHANTS
BOND PROJECTS:
- ELEPHANTS
- POLAR BEAR
BOND PROJECTS:
- ELEPHANTS
- POLAR BEAR
- PRIMATES
- HIPPOS
- CONDORS
BOND PROJECTS:
- ELEPHANTS
- POLAR BEAR
- PRIMATES
- HIPPOS
- CONDORS
- EDUCATION
- WATER/ENERGY