Transportation Safety & Mobility Work Management System (WMS)

The Big Picture

- Only a small portion of the work done by the TMSD is currently scheduled (TIP Preconstruction)
- The non-scheduled portion of the work needs to be planned to effectively manage resources
- The planning system must tie directly to BI for reporting.

The Big Picture – Cont'd

- Time charges need to be collected where the work is planned

- Traffic Safety desires the ability to collect customer call information

- Metrics for PDAs must come from "the system". No spreadsheets or external databases accepted.

Work Centers

- An organizational unit that defines where and when an operation can be performed. A Work Center can include:
1. Employees
2. Groups of employees

Planning Work in SAP

- Matching Supply to Demand
  - Supply – Work Centers house the supply of labor. They can be configured to accept work from Networks and PM (Plant Maintenance) Orders
  - Demand – Planned Work from Network Orders or PM Orders is tied to Work Center.
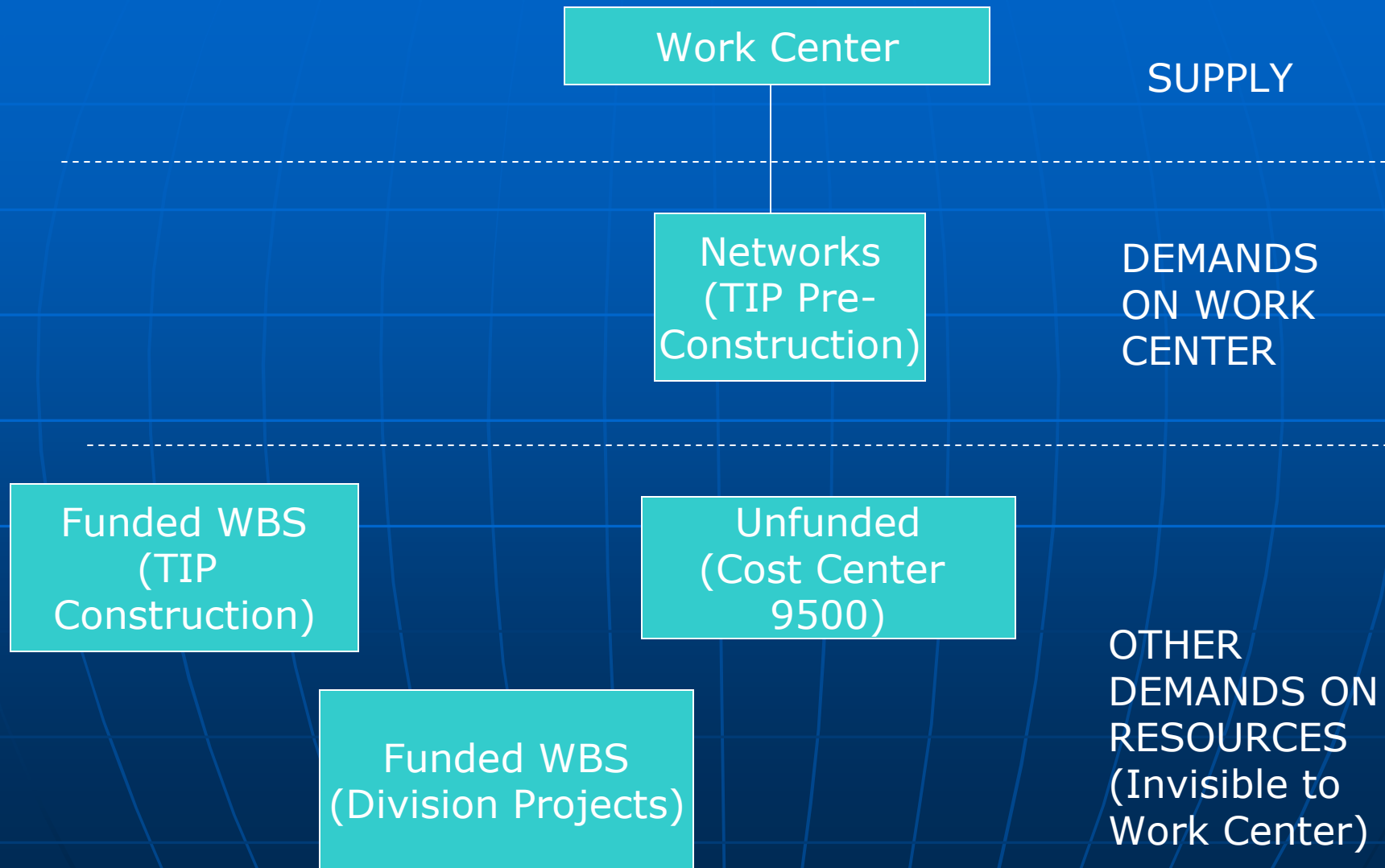
Sources of Work For TSMD
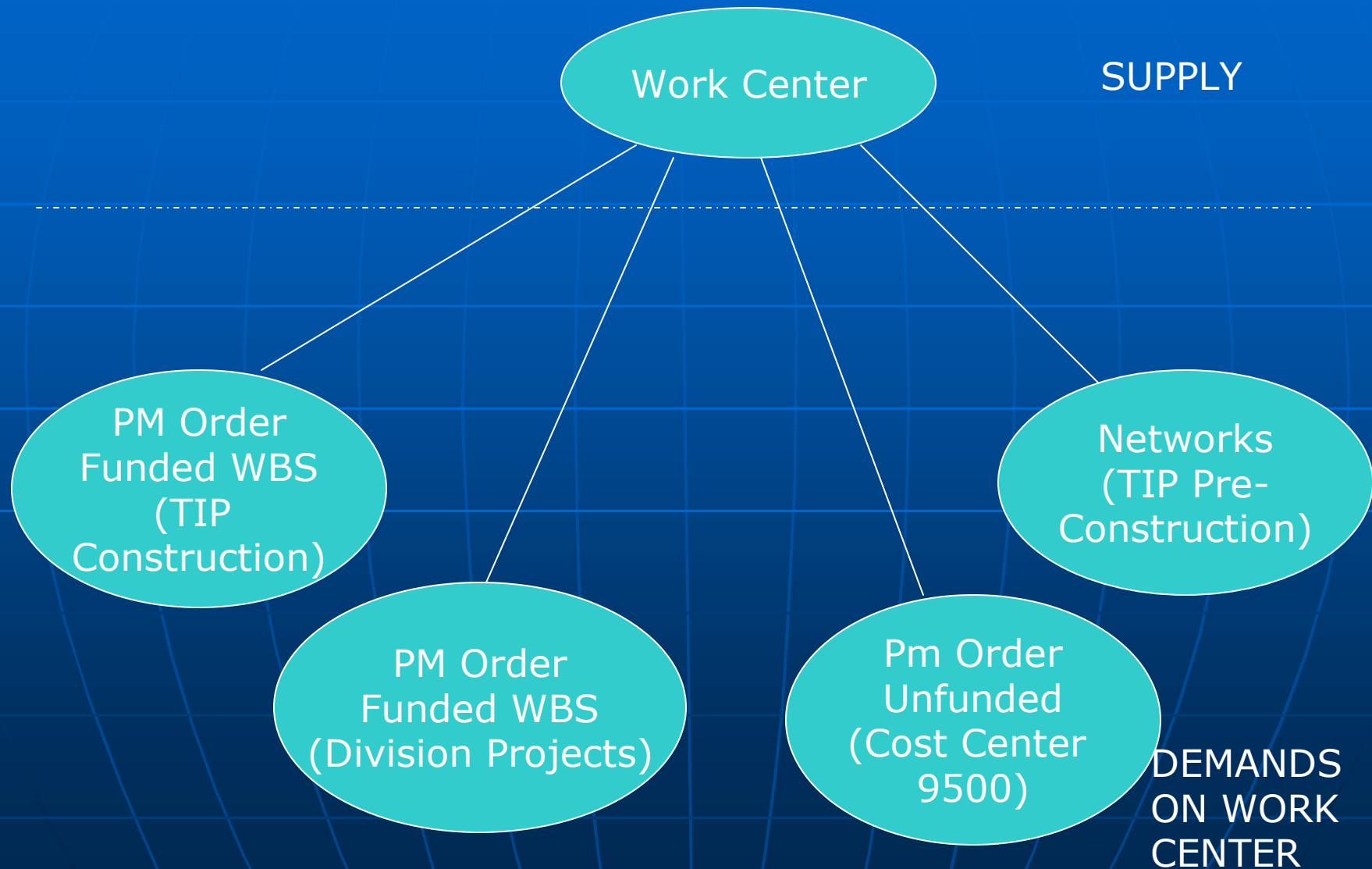
Scheduled Work

- TIP Projects – Preconstruction

Non-Scheduled Work

- TIP Projects – Construction Support
- Funded WBS – Division Projects, etc.
- Non-Funded Work – Now charged to 1DOT Project.
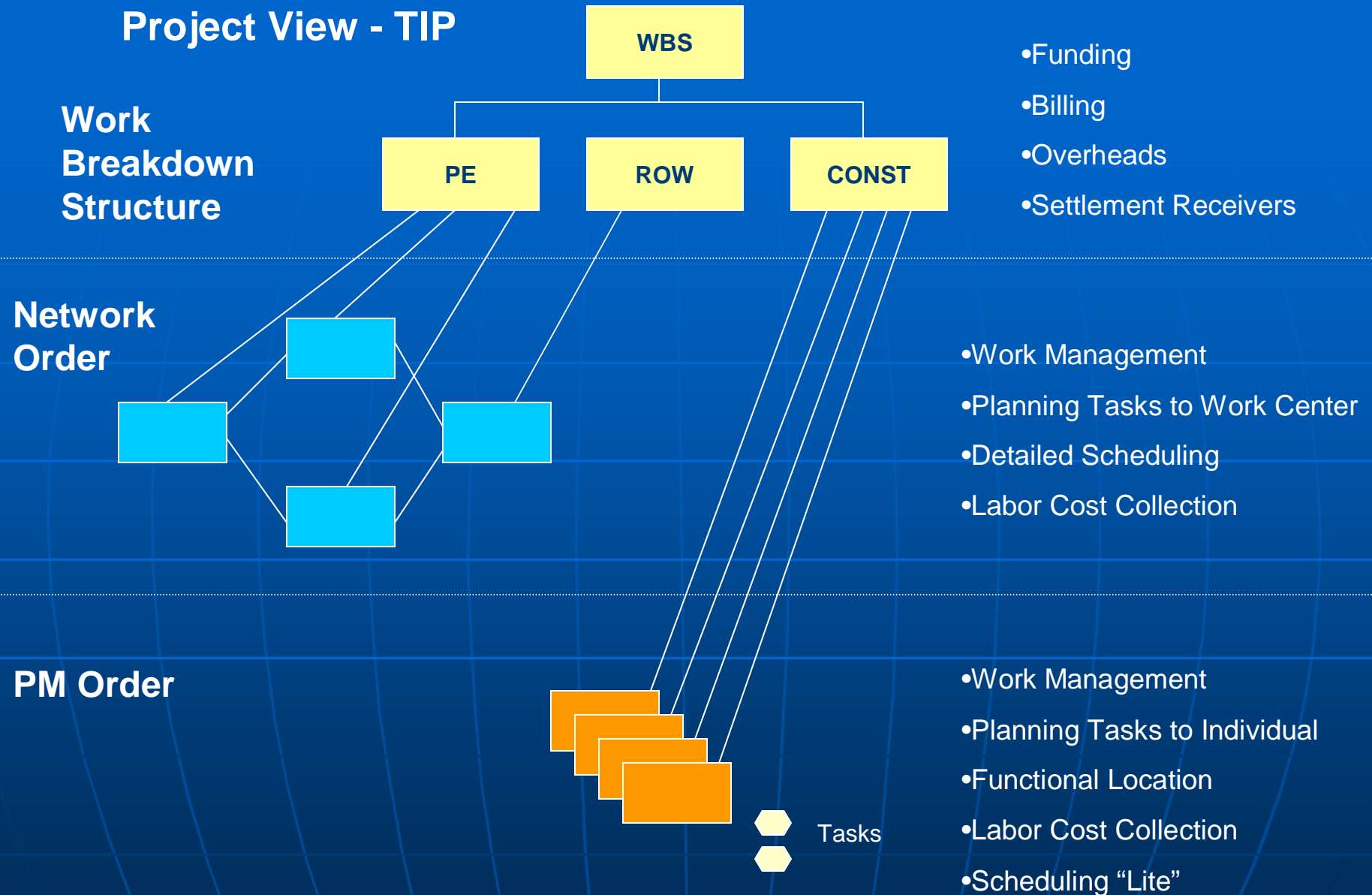
Work Center View - Current

Work Center

SUPPLY

Networks
(TIP Pre-
Construction)

DEMANDS
ON WORK
CENTER

Funded WBS
(TIP
Construction)

Unfunded
(Cost Center
9500)

Funded WBS
(Division Projects)

OTHER
DEMANDS ON
RESOURCES
(Invisible to
Work Center)

Work Center View - Future

Project View - TIP

WBS

Work Breakdown Structure

- PE
- ROW
- CONST

- Funding
- Billing
- Overheads
- Settlement Receivers

Network Order

- Work Management
- Planning Tasks to Work Center
- Detailed Scheduling
- Labor Cost Collection

PM Order

Tasks

- Work Management
- Planning Tasks to Individual
- Functional Location
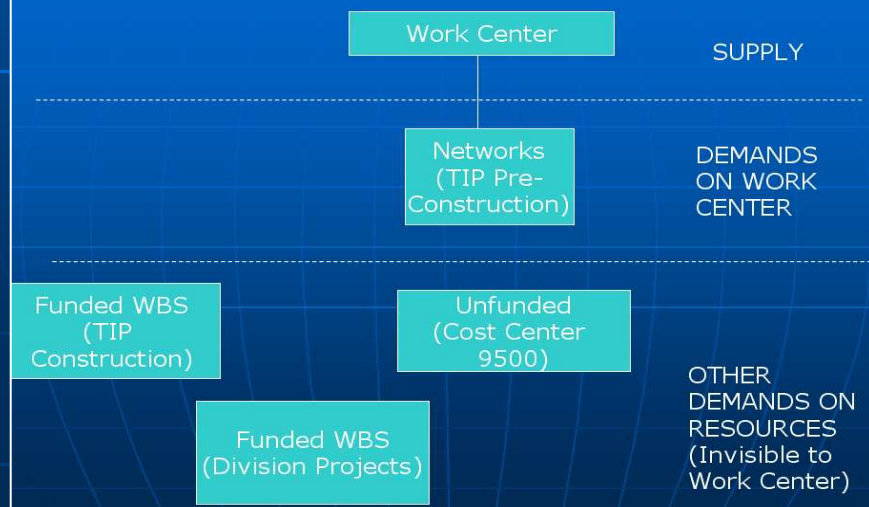- Labor Cost Collection
- Scheduling "Lite"

Note: Actual costs for planned labor will be collected on the respective orders and settled to the WBS for splitting and billing.

Work Center

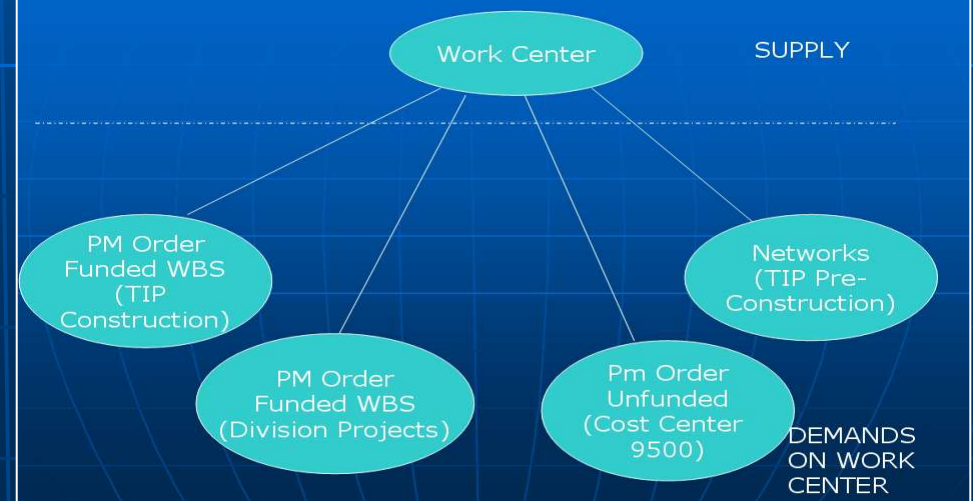- Work Center – Demo –Current and Future

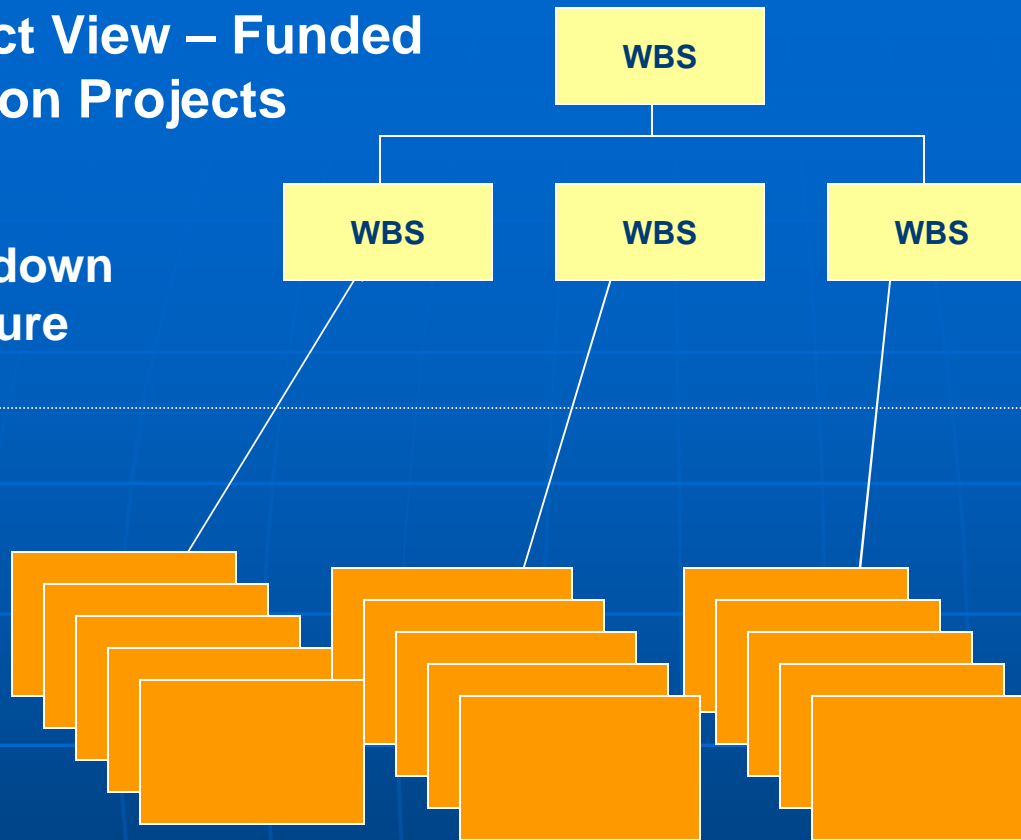- Confirm Current View

- Future View

Project View – Funded Division Projects

Work Breakdown Structure

- Funding
- Billing
- Overheads
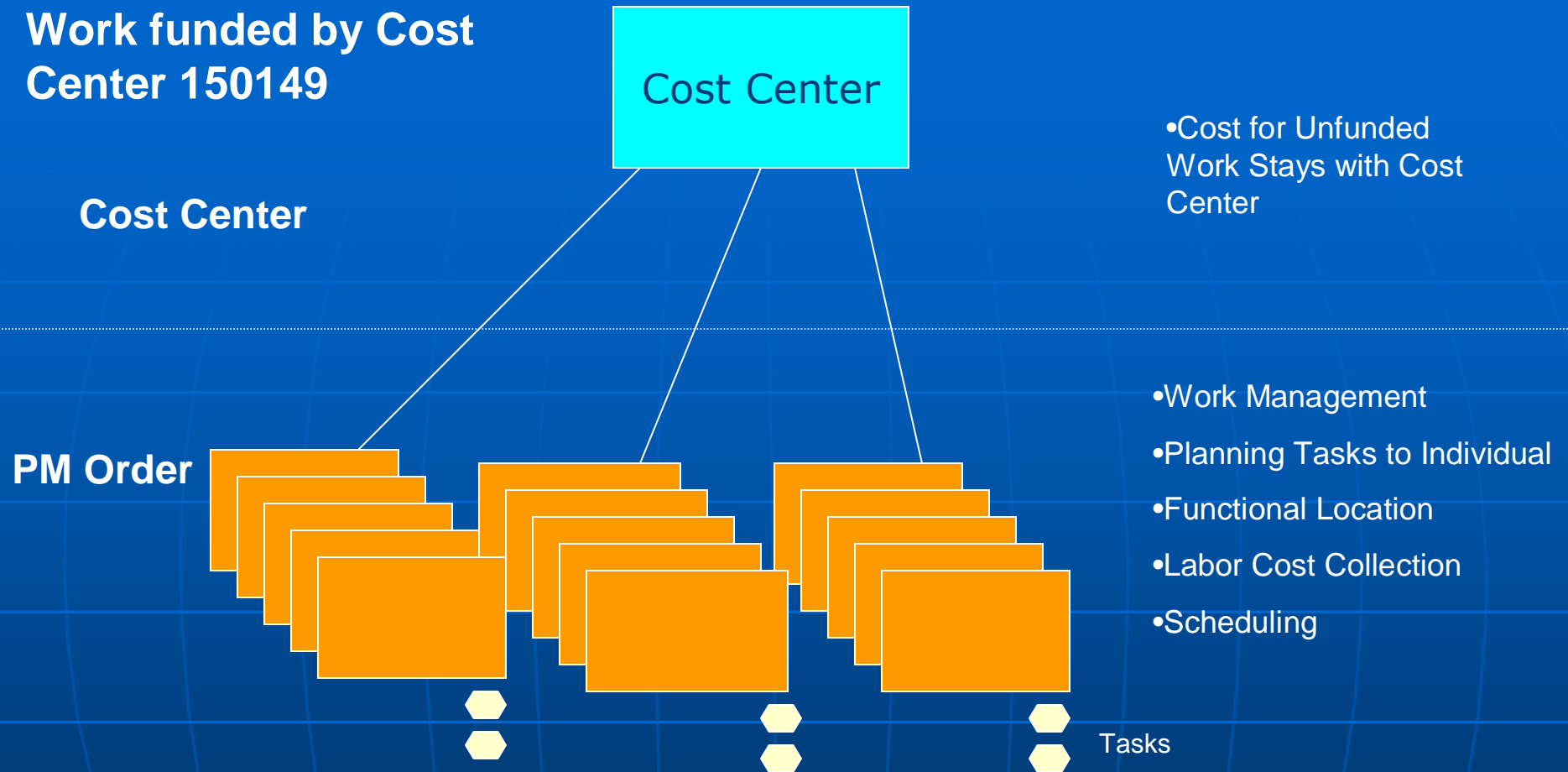- Settlement Receivers

PM Order

- Work Management
- Planning Tasks to Individual
- Functional Location
- Labor Cost Collection
- Scheduling

Tasks

Note: Labor costs will be collected on the PM orders, and Account Assigned and Settled to the WBS elements.
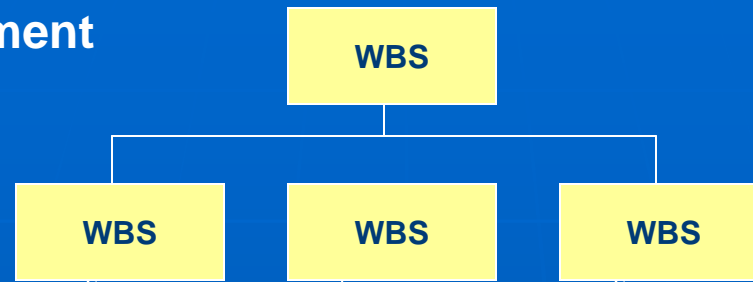
Work funded by Cost Center 150149

Cost Center

Cost Center

•Cost for Unfunded Work Stays with Cost Center

PM Order

•Work Management

•Planning Tasks to Individual

•Functional Location

•Labor Cost Collection

•Scheduling

Tasks

Note: Labor costs will be collected on the PM orders. They may be account assigned to the Cost Center and Settled there also – or not.

Where Call Management is Required

Work Breakdown Structure

WBS

WBS   WBS   WBS

- Funding
- Billing
- Overheads
- Settlement Receivers

PM Order

Tasks

- Work Management
- Planning Tasks to Individual
- Functional Location
- Labor Cost Collection
- Scheduling

Notifications

- Call Management
- Customer Data Collection
- Partner Functions

Reporting

- Some standard reports from SAP will be used
- Any reporting requirements not covered by SAP will be provided by BI
  - BI can easily report across objects – i.e., Networks, PM Orders, Notifications, etc.