

South Anchorage Loop South Anchorage Substation Status Report

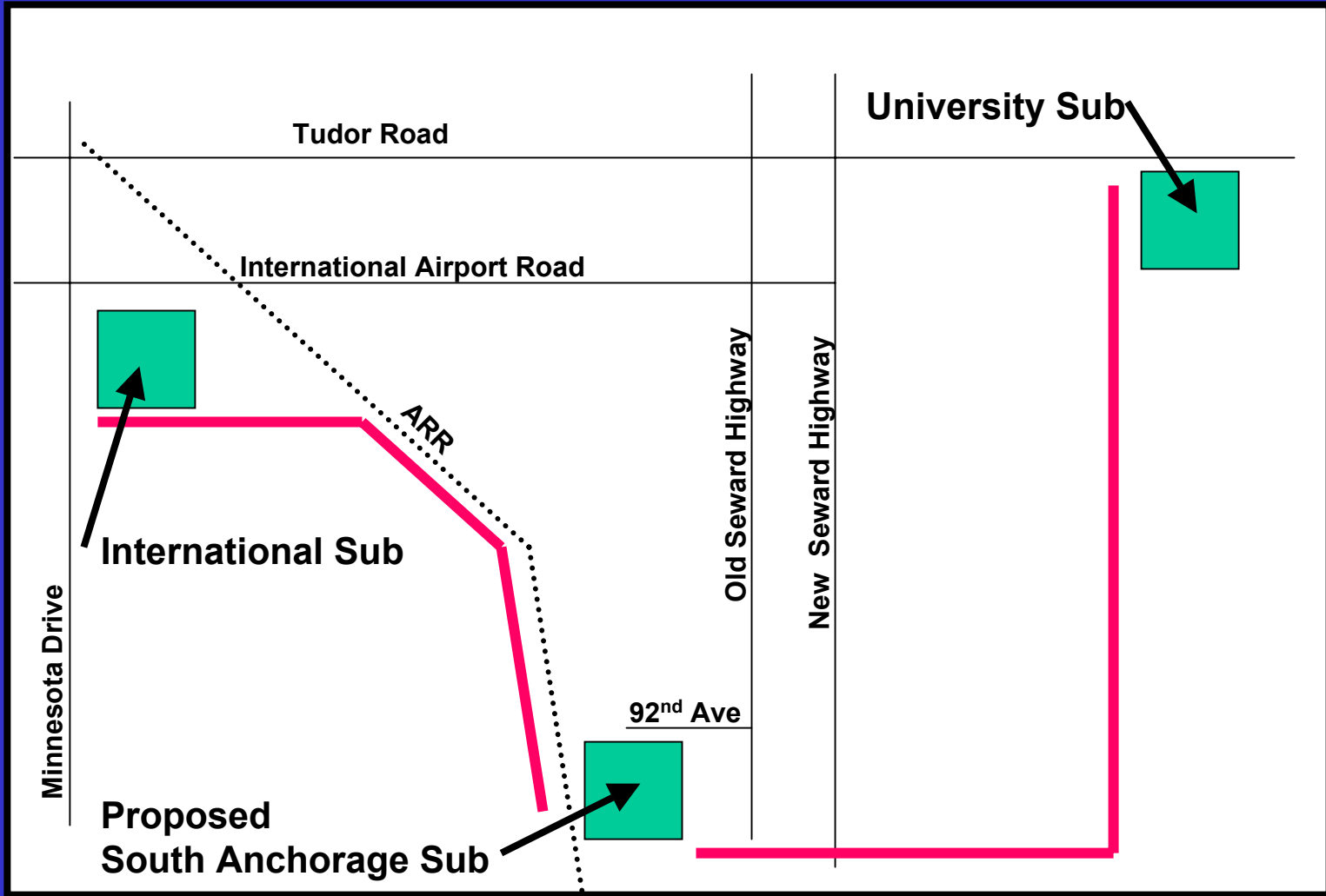
**Presented by Mike Massin, Director
Engineering Services Division**

Board Presentation - September 17, 2003

Project Components

- **138kV line from existing International Substation south to proposed South Anchorage Substation**
- **138kV/34.5kV South Anchorage Substation**
- **34.5kV feeders out of proposed South Anchorage Substation**
- **138kV line from proposed South Anchorage Substation to existing University Substation**
- **Undergrounding distribution lines**

Project Map



Project Status

- 138kV Switchyard at IGT – Design complete.
- 138kV Line from IGT to South Anchorage Substation – Utility Corridor Plan Amendment in place. Final design in progress.
- South Anchorage Substation – Design in progress.

Project Status

- 35kV Feeders from South Anchorage Substation – Preliminary design in progress.
- 138kV Line South Anchorage Substation to University Substation – Route selection under way.
- Anchorage Municipal Assembly approved amendment (10-0) on August 19, 2003.

Structure Types



Line Impact Mitigation

- **One mile of existing distribution will be undergrounded for each mile of new transmission**
 - **Must be adjacent to 138kV line route**
- **Funded by Chugach with credit to State and Municipal undergrounding program**
- **Line segment advisory group will be formed**
 - **Chugach staff**
 - **Community Council representatives**
 - **Assembly members**
 - **Series of workshops will take place**
 - **Chugach ultimately decides actual segments to be undergrounded**

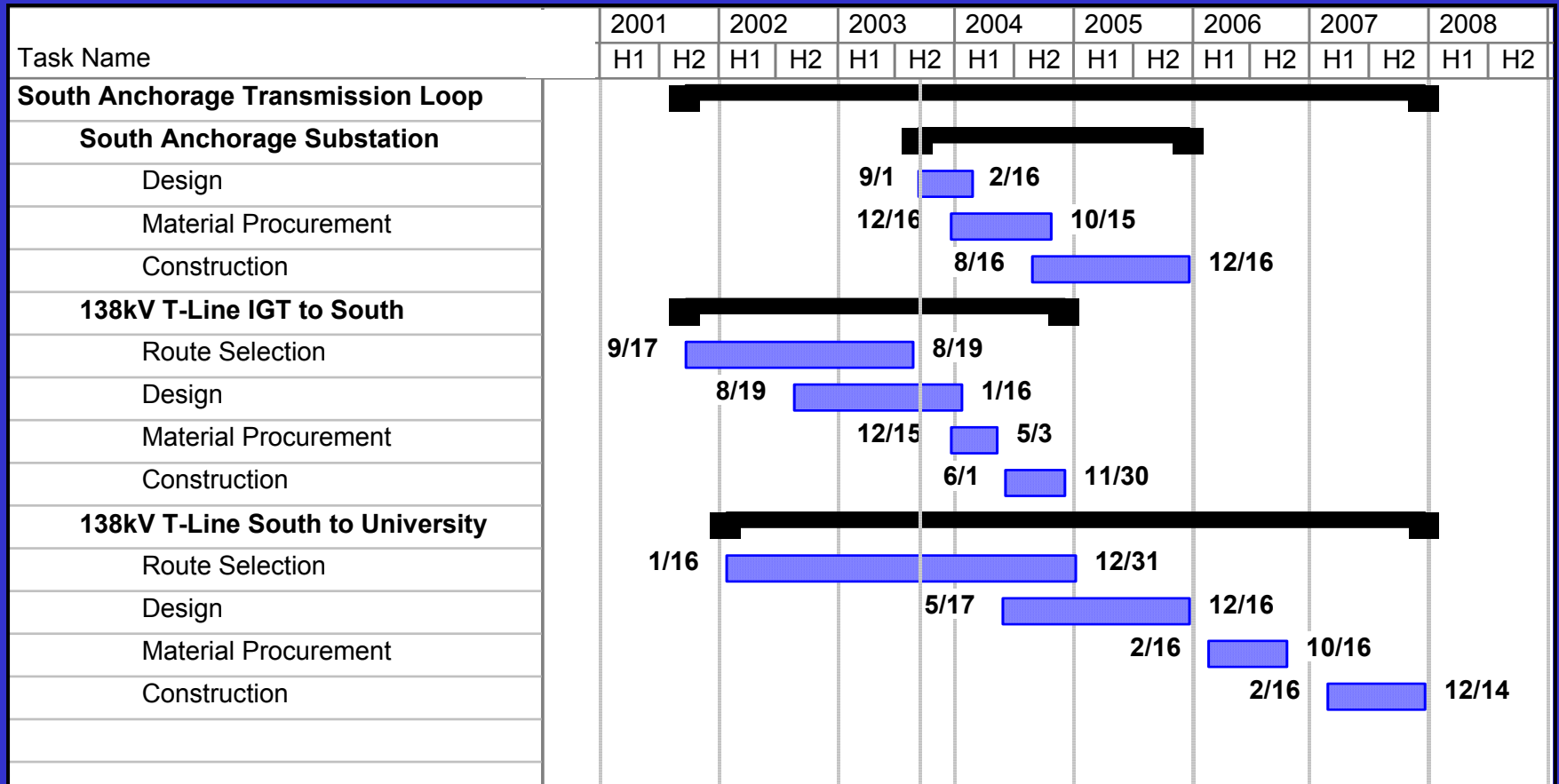
ROW/Permits

- **Easement requirements have been reduced significantly**
- **There are some wetlands issues which may impact construction methods and/or timing**
- **Condemnation is not anticipated to be necessary**

Project Cost

- **The entire project cost is currently estimated at \$26-30 million**
- **Uncertainties**
 - **Yet to be determined site work required for the South Anchorage Substation**
 - **The outcome of the route selection process for the transmission line from South Anchorage to University**
 - **Construction bids for the IGT to South Anchorage line**

Project Schedule 2001-2008



Questions?