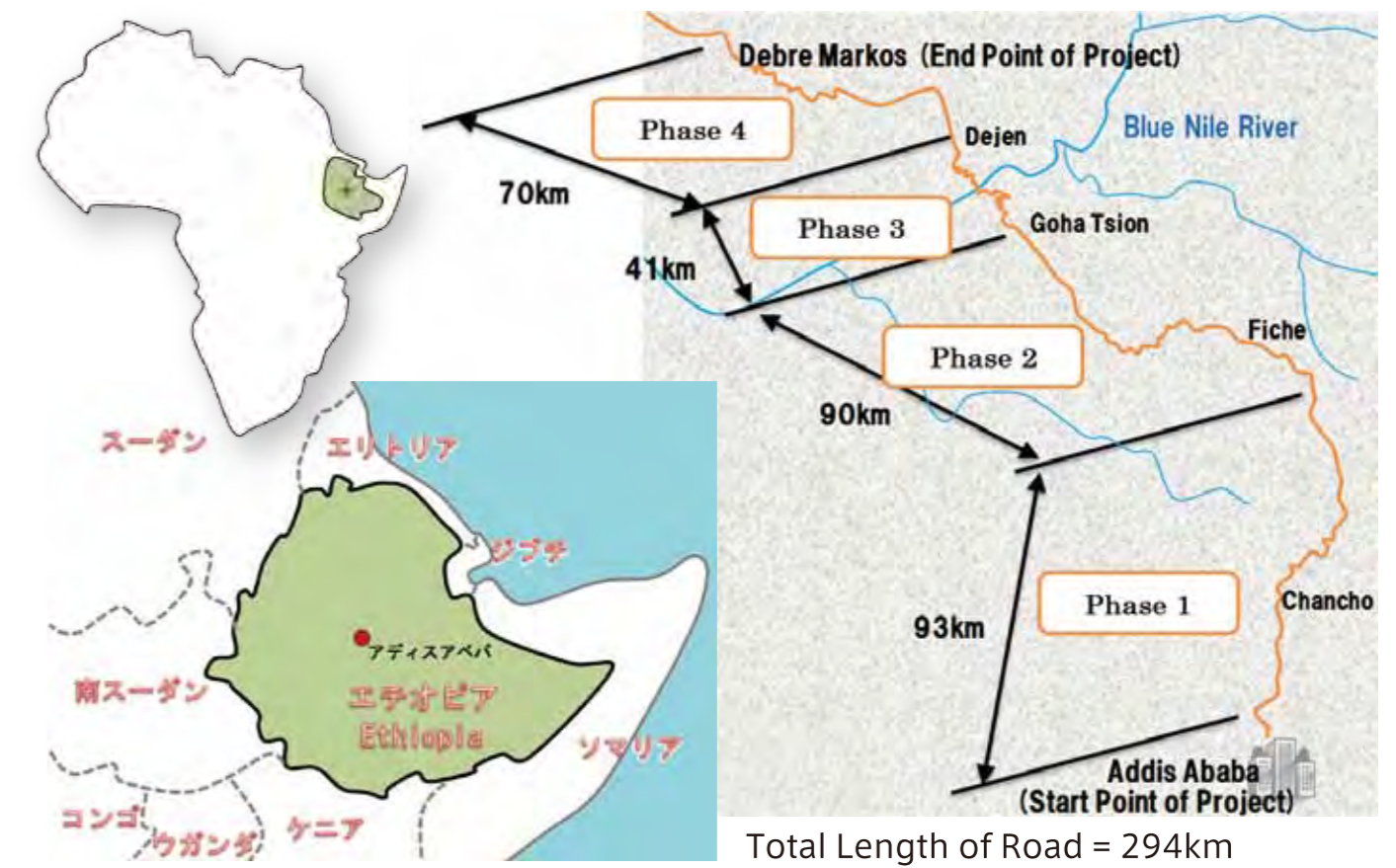


# Road Construction in Ethiopia

## 에티오피아 국도3호선 간선도로 개수 공사

### ● The Project for Rehabilitation of Trunk Road

- Rehabilitation of trunk road from the capital. Addis Ababa, to Debre Markos
- The first phase of construction started in 1999, and currently, the fourth (last) phase is under construction (Total length 294km)
- Construction at elevations of 3,000m - 1,000m above sea level
- Black cotton soil (BCS), that shrinks during the dry season and swells in the wet season, is widely distributed as alluvial soil in East Africa.
- Japanese government grant aid projects



Completed section (Phase 4)



### ● Phase 1

Export from Japan by charter ship, and then 1,000km of Inland transportation from the Port of Djibouti in the neighboring country to the project site (2,500m above sea level) in the landlocked nation of Ethiopia



### ● Phase 2

Ensuring water for construction by digging additional wells (More than 3,000m above sea level)



### ● Phase 3

Hedase Bridge opening ceremony  
303m-long extradosed bridge built over the Blue Nile River (2,500m - 1,000m - 2,500m above sea level)



### ● Phase 4

Flood area  
Replacement of BCS with impermeable liners as a countermeasure (2,500m above sea level)

