

Planning, Construction and Operation of Common Utility Corridors

25-26th April 2017, Chengdu, China

Objective: Give information to engineers, architects, planners, operators and public administrators on the benefits and logistics involved in the use of utility corridors in urban areas.

25th April

Session 1: Introduction and Overview

09.00-09.15: Welcome and opening (ITA and China representatives)

09.15-09.45: General context of utility tunnels in China (Mr. Hong Kairong)

09.45-10.30: Underground space use, planning and urban networks (Ray Sterling)

10.30-11.00: Coffee Break

11.00-12.30: Definition and characteristics of each major utility type (water, sanitary sewer, storm sewer, gas, electric, telecommunications, information/control (e.g. traffic systems), district heating, cooling, refuse removal, pneumatic systems, etc.) (Ray Sterling)

12.30-14.00: Lunch

Session 2: Design and construction Technologies for Utility Tunnels

14.00-14.45: New developments for long distance and curved pipe-jacking and microtunnelling (Robert Stein)

14.45-15.30: Design requirements for common utility corridors (Robert Stein)

15.30-16.00: Coffee Break

16.00-16.45: Design of utility corridors in China (Mr. Wang Hengdong)

16.45-17.30: New developments in the construction methods for utility tunnels (M. Dupré - Germany)

17.30-18.00: Questions and answers

26th April

Session 3: International case Studies and experience sharing

09.00-09.30: Case study 1: Singapore experience (Expert from Singapore: M. Ler Seng Ann)

09.30-10.00: Case study 2: Prague experience (Expert from Prague: D. Svec)

10.00-10.30: Case study 3: German experience (Expert from Germany: M. Dupré)

10.30-11.00: Coffee Break

11.00-11.30: Case study 4: French experience (expert from France: M Gérard)

11.30-12.00: Case study 5: Experience on individual utilities in UK (Expert from UK :M. Knights)

12.00-12.30: Case study 6: Construction of utility corridors in China (Mr. Wu Jun)

12.30- 13.00: Questions and Answers

13.00-14.00: Lunch

Session 4: Decision-making, operation and financing of common utility tunnels

14.00-14.45: Benefits and drawbacks of common utility placement (CE Delpierre)

14.45-15.30: Management and financing issues (M Gérard)

15.30-16.00: Coffee break

16.00-16.45: Operation, maintenance and repair issues (D Svec)

16.45-17.30: Round table "How to make utility corridors more profitable?" (M. Gerard and all experts)

17.30-18.00: Closing Remarks