

LCCA Implementation for Bridge Investment Course: First Block Agenda			
Time	Activity	Duration	Speaker
Dag 1		Monday	12-Nov
10-10.30	Välkommen, Introduktion	30 min.	Lahja Rydberg Forssbeck
10.30-11	Bakgrund, syfte & mål	30 min.	Peter och George
11.00-12	Grunder för LCC	60 min.	Håkan
12-13	Lunch	60 min.	
13-13.55	Ekonomi och marknadsbegränsningar	55 min.	Håkan
5 min	Bensträckare	5 min.	
14.00-14.40	Trafikverkets DoU division generellt, skador och reparationer på broar. Vad DoU tycker är viktigt för investering att tänka på gällande LCC	40 min.	George Chamoun
14.40-15.00	Fika	20 min.	
15.00-15.45	Introduction, aims, scopes and steps to reach our goal	45 min.	Safi
5 min	Bensträckare	5 min.	
15.50-16.30	LCCA Terms and Techniques, practical real life examples (1): (NPV, continues NPV & EAC)	50 min.	Safi
5 min	Bensträckare	5 min.	
16.35-17.15	LCCA Terms and Techniques, practical real life examples (2): (NS, OL, loans, Infinite life-span alternatives)	40 min.	Safi
Dag 2		Tuesday	13-Nov
8.30-9.30	SAFI Technique & LCCA limitations for Bridge Investment	60 min.	Safi
9.30-9.45	Fika	15 min.	
9.45-10.40	Necessary Tools (1): BaTMan & Excel 2010 (Data analysis -pivot tables)	55 min.	Safi
5 min	Bensträckare	5 min.	
10.45-11.45	Necessary Tools (2): WebHybris , BaTMan & Excel 2010	60 min.	Safi
11.45-12.45	Lunch	60 min.	
12.45-13.40	Presentation of BaTMan-LCC Program (1) General, App.# (2): Technically feasible proposals and & INV Cost	55 min.	Safi
5 min	Bensträckare	5 min.	
13.45-14.40	Presentation of BaTMan-LCC Program (2) App. #(2): Bridge Life-cycle measures, Results, Conclusion SAFI & Sub-SAFI values	55 min.	Safi
14.40-15.00	Fika	20 min.	
15.00-16.00	Using BaTMan-LCC for Karlsnäs Bridge as Case Study	60 min.	Safi
10 min	Bensträckare	10 min.	
16.10-17	Karlsnäs Bridge: Assumptions, Limitation, Discussion and Conclusion	50 min.	Safi
Dag 2		Wednesday	14-Nov
8.30-8.40	Repetition	10 min.	Peter
8.40-9.30	SAFI Technique for unequal life-span alternatives Case Study: Slab-Frame Bridge versus Steel Culvert Bridge	50 min.	Safi
9.30-9.45	fika	15 min.	
9.45-10.45	Implementation (1): Start working with the participants own projects using BaTMan-LCC with close supervision	60 min.	The participants
5 min	Bensträckare	5 min.	
10.45-11.45	Implementation (2): Working with the participants own projects using BaTMan-LCC with close supervision	60 min.	The participants
11.45-12.45	Lunch	60 min.	
12.45-13.15	Implementation (3): Working with the participants own projects using BaTMan-LCC with close supervision	30 min.	The participants
13.15-13.55	Introduction to BaTMan-LCC App.# (1): Specify the most life-cycle cost effective road corridor considering only bridges. Simplified case study.	40 min.	Safi
5 min	Bensträckare	5 min.	
14.00-14.30	Close the first Block and proposals for further communication	30 min.	George R.