



Curriculum Vitae

Anders Markstedt

WSP Civils

SUMMARY

Thirty years of professional experience with twentyfive years of experience as Transport Planner on consultancy basis as well as research basis. Participated in and responsible for assignments in the USA, Canada, Sweden, Kenya, Mozambique, Namibia and Lao PDR. Lecturer and author of various papers on the subject of Transport Planning. On behalf of Swedish Aid Agency (SIDA) formulated programmes for Lao PDR and evaluated road sector programmes in Latvia, Lithuania and Estonia.

Part of the management team for several major road and rail projects in Sweden.

YEAR OF BIRTH

1951

KEY ACHIEVEMENTS

- Headed pre-feasibility studies of several major road investments in the Stockholm area.
- Completed the feasibility study for the Stockholm by-pass, a SEK 25 billion tunnel project. Wrote the preliminary design and land acquisition plan for the same project.
- Assisting project manager for Western Link, SEK 20 billion railway tunnel project in Gothenburgh.
- Assisted the City of Stockholm in writing a Master Plan for traffic safety improvements.
- Assisted the Swedish Road Administration in writing a Master Plan for traffic safety in the Stockholm Region.
- On behalf of SIDA formulated a programme for cooperation in the road sector for Lao PDR
- Provided technical assistance to build up a Transportation Planning Unit at the Ministry of Transport in Lao PDR.
- Evaluated Sida cooperation in the Road sector in the Baltic states.
- Formulated a policy document for traffic safety audits on behalf of the Swedish National Road Administration.
- Heading the WSP team for a large research project in parking policy funded by Vinnova.
-

EDUCATION

1982 - Master in City and Regional Planning - Rutgers University, New Jersey, USA

1976 - Master in Civil Engineering - Civil Engineering - Chalmers University of Technology

COURSES

1976 - Geography, University of Gothenburgh - six months

1988 – 1989 - Fria Byggakademien

LANGUAGES

English - Fluent

French - Basic

Swedish - Native

PROJECT EXPERIENCE

2012-09 - 2013-05 Road 222 Mölnvik - Ålstäket, Sw

Pre-feasibility. Heading a team to find solutions to upgrade an important regional road in a fast growing part of the region. Several public meetings and negotiations with the municipality.

Rail

2012-06 - 2014 Western Railway Link , Swedish Transport Administration, Gothenburgh
Västlänken is a railway connection in a tunnel under the centre of Gothenburgh with three new stations. It will serve regional and commuter traffic. Part of a consultancy team assisting the Project Management in coordinating about 15 consultancy contracts. Responsible for coordinating all project reports

2009-11 - 2010 Norway High Speed Rail, Norwegian Rail Administration, Oslo
Providing technical and planning aspects on the introduction of High Speed Rail between major cities in Norway.

2009-03 - 2009-05 Guinea Railway Project, BSGR, Guinea

Project Director Scoping Study for different railway corridors up to 800 km of double track mining railway

Roads and Bridges

2013-02 - 2013-05 Extension of Stockholm Metro blue line. Combined tunnels, Swedish Transport Administration, solna

The extension of the blue line and the East Link of the Stockholm Ring Road are both projects which serve the eastern sector of the Stockholm region. This study is commissioned to investigate the viability of building a combined Rail/Road tunnel which would serve both projects.

2011-01 - 2013-12 Skuru Bridge Preliminary Design and Land Aquisition Plan, Swedish National Road Administration, Solna

Responsible for all traffic analysis and traffic safety issues including public transport. Various simulation models are being used.

2010-06 - 2010-12 Intersection Ekstubben, Nacka municipality, Nacka

Prefeasibility study for an intersection. Head of the team.

2009-05 - 2010-12 Skuru Bridge Feasibility Study, Swedish National Road Administration, Solna

Responsible for all traffic analysis including regional forecast and meso-simulation taking into account the effect of a bridge toll. Advisor to the project management.

2008-04 - 2009-06 Stockholm Central City Plan, Jernhusen, Stockholm

Traffic analysis for a master plan for developing the central city including rebuilding the railway station, streets, bus terminal and new buildings.

2008-02 - 2012-12 Stockholm bypass, preliminary design, Swedish National Road Administration, Stockholm

Responsible for all traffic analysis using a variety of traffic modelling tools for a SEK 25 billion highway investment. Work comprised Traffic Forecast for year 2035, detailed modelling of road network around eight major intersections, tunnel safety and risk assessments, traffic simulation of intersections, LOS analysis. Also responsible for the Design Report and for quality assurance of traffic safety.

2007-02 - 2008-02 North Station Feasibility Study, Swedish National Road Administration, Stockholm

Project manager for a WSP team assessing the feasibility of about 1 km, 8 lane tunnel project in central Stockholm. Within a 2 square km area (former railway station) about SEK 50 billion will be invested in a new University Hospital, housing, offices, road, underground and railway. The Highway now traversing the area is vital for regional and national traffic and the challenge is to make sure that traffic will flow through all phases of the construction. The link will form a part of the City Ring Tunnel with extensive traffic management measures including Motorway Control System, Incident Detection, Variable message Signs. Traffic simulation models were used for the analysis. Risk and Safety evaluation is an important part of the project.

2006-12 - 2007-03 Safe Bus Lanes, City of Stockholm, Stockholm

Analysing how bus lanes effect traffic safety, particularly whether curb-side bus lanes or bus lanes in the middle of the street is the best design option. Work comprised field studies, documenting black spots and proposing measures. Bus drivers were involved in the project.

2006-09 - 2007-04 Skurubron (Skuru Bridge), Swedish National Road Administration, Stockholm Region

Responsible for traffic analysis in a pre-feasibility study for a major motorway bridge across the Skuru strait. The project includes a six lane 400 m bridge, 1 km motorway and two intersections. The bridge will replace older bridges.

2005-10 - 2006-08 Audit of traffic safety institutions, Swedish association of Municipalities and Counties, Stockholm, Mellerud

Project director for refining a process whereby municipalities are audited in terms of how they systematically work with traffic safety. The method was also applied in the Municipality of Mellerud.

2004-06 - 2006-03 Road 226, Swedish National Road Administration, Stockholm Region
Responsible for pre-feasibility and feasibility study for a major arterial from the southern part of the Stockholm region towards the city centre. The project includes a four lane motorway with major rock cuts and bridges in difficult terrain. The project has now moved into preliminary design.

2004-06 - 2004-09 Project Document for Basic Access Component, Swedish International Development Cooperation Agency, Lao PDR
Team Leader for a WSP team assisting the Transport Ministry in Lao PDR to develop a programme for developing basic access for rural areas in Lao PDR. The programme was to be funded partly by SIDA. The assignment included fact finding, liaison with other development cooperation agencies, analysis, seminars, presentations and writing the final document. Among proposals was to give the private sector a more prominent role in constructing and maintaining the tertiary road network. Among the goals was also to promote community participation.

2004-05 - 2005-06 Österleden (Eastern Ring Road), Swedish National Road Administration, Stockholm
Responsible for a pre-feasibility study of a motorway tunnel to complete the Stockholm Ring Road. Three alternative routes were analysed including location of entrance and exit ramps in the urban areas. New assessment methods were developed making use of the forecast model.

2003-08 - 2004-04 Traffic Safety Programme for the City of Stockholm, City of Stockholm, Stockholm
Assisting the City of Stockholm in developing a strategic document outlining measures to be undertaken by various departments of the city in order to reduce traffic accidents and fatalities. The project included polling the citizens attitudes towards traffic safety, data analysis, strategic analysis and proposed measures within five focus areas: attitudes and behaviour, pedestrians and bicyclists, vehicles, traffic safety policy, organisation and knowhow.

2002-06 - 2007-09 North-South Links in the Stockholm Region, Swedish National Road Administration, Stockholm
Assisting Project Director, coordinator of all traffic analysis and author of the report for Feasibility Study evaluating road and public transport measures which will relieve congestion and improve accessibility across Lake Mälaren which divides the Stockholm Region. Two road corridors were evaluated and an alternative with investments in public transport and including congestion charges. The chosen corridor comprises of a 16 km, six lane tunnel partly under water and six major intersecons. The cost is estimated at SEK 25 billion using state of the art cost estimation methods with advance risk assessment.

2002 Traffic Safety Programme for Stockholm Region, Swedish National Road Administration, Stockholm
As assisting Project Director developed a ten year traffic safety programme outlining measures and activities in order to reach a 50% fatality rate reduction in road accidents in the Stockholm Region. The strategy focused on a number of areas with significant high fatality rates and accident prevention measures were proposed. For each activity estimates were made on fatality reduction and cost effectiveness was estimated. Total cost for programme implementation was about SEK 500 million. Project budget was approximately SEK 1 million.

2002 Design of high speed low volume traffic safety measures, Swedish national Road Administration, Umeå, Sollefteå

Traffic Engineering Specialist on two 40 km roads in the North of Sweden. In Sweden the 2+1 highway design has proven very successful preventing overtaking accidents by measures of mid-lane wire guardrail and alternating areas with one lane in one direction and two lanes in opposite direction. This project aimed at assessing a modified design where longer stretches are 1+1, suitable for roads with low traffic volumes and narrow carriageway. Important issues were queue build up, access control, maintenance procedures, bicycles.

2000 - 2001 North Link Tunnel , Alternative Cedersdals Street, Swedish National Road Administration/Stockholm City, Stockholm

Traffic Engineering Specialist for a feasibility study of an alternative corridor for the Stockholm Ring Road tunnel Project. The corridor involved a six lane tunnel to be built under one of the busiest streets in Stockholm. Traffic simulation using AIMSUN software was used to make sure that traffic was not to be obstructed in the different construction phases.

1997-04 - 1997-10 Surface Transport Sector Reform in Namibia, Swedish International Development Cooperation Agency, Namibia

As Transportation Planning specialist developed a simple planning tool for traffic on the road network. It was to support a reform programme to change among others from force account maintenance to maintenance management through contracts.

1996-05 - 1996-06 Evaluation of SIDA road sector support in the Baltic States, Swedish International Development Cooperation Agency, Estonia, Latvia, Lithuania

Appointed by the Swedish International Development Cooperation Agency to carry out an evaluation of BITS/Sida support to the road sector in the Baltic States 1990-1996. The support was focused on assisting in transforming the institutions in the road sector into a modern and efficient civil service relying on a private sector and market economy.

1992-05 - 1995-08 Transport Planning Unit Technical Assistance, Ministry of Communication, Transport, Post and Construction (WB loan), Lao PDR

Team Leader for a team of five experts commissioned by the Ministry of Communications, Transport, Post and Construction, Vientiane, Lao PDR, to assist in the setting up, training and operation of a transport planning unit in the Ministry. The unit has since been instrumental in continuing and implementing the programmes and projects initiated under the National Transport Study carried out by KM/SWECO in 1989-91.

Urban Regeneration

2010-08 - 2014-12 Innovative Parking Policy, Vinnova, Stockholm

This research project focuses on parking requirements in urban areas. What mechanisms need to be put in place so that parking requirements do not become an obstacle for sustainable building.

EMPLOYMENT HISTORY

WSP Sverige AB

2010 –

International Director and responsible for assisting the Group in international bids. Consultant for major infrastructure projects.

2004-2010 – Technical Director

Heading about 20 staff with skills in traffic planning, environmental impact, geographic information and logistics

2002- - Group Director

Responsible for building up a group in traffic planning.

Swedish National Road Administration

1998-2002 - Group director

Responsible for building up a group in traffic planning and Environmental impact assessments

KM International AB, Stockholm

1996-1997 - Project Director South East Asia

Responsible for a staff of about 50 of many nationalities involved in our projects in Laos and Vietnam. Responsible for tenders and forming consulting groups in international cooperation.

Royal Institute of Technology, Stockholm

1990-1990 - Substitute Professor in traffic Planning

Leading the research group. supervision of Master of Science students, lecturer in traffic planning.

Kjessler och Mannerstråle AB

1984-1998 - Consultant

Consultant in traffic planning

Garmen Associates

1982-1984 - Transportation planner

Traffic modelling and site impact analysis

Rutgers University

1981-1982 - Teaching assistant, Research assistant

Teaching courses in Planning Methods, research work in economics of public transport, travel patterns in N.J. beach communities.

Soil Recovery

1980-1982 - Technical Director

Marketing and environmental engineering

WP-System AB

1976-1980 - Project planner

Project planning hydroelectric plant. Project Management (Tank farm in Nigeria)

Chalmers Institute of Technology, Urban Planning

1976-1976 - Research Assistant

Data base work related to accidents in the built environment.

PROFESSIONAL MEMBERSHIPS

2008 - ITE Institute of Transportation engineers

1984 - TF Swedish Association of Transportation Professionals

1976 - SVR Swedish association of Civil Engineers

AWARDS

1982 - American Institute of Planners Student Award

1982 - Svensk-amerikanska stiftelsens stipendium för studier på Rutgers University

PUBLICATIONS

Referee reviewed papers

1983 - Impact of Subsidies on the cost of Urban Public Transport. Journal of Transport Economic and Policy, may 1983

1982 - Consequences of Subsidies for Mass Transit: Evidence from Case Studies and Regression Analysis?, Journal of Transport Economic and Policy, december 1982.

Scientific reports

1987 - Sättningskadors inverkan på åkkomfort i buss. Transportforskningsberedningen

2004 – Stadsplanering och res- och trafikstring, FoU Trafikverket

Popular Science Press

1987 - Från Riksväg till Gågata. Stadsbyggnad 1987

2004 - Nord-sydliga förbindelser, V-byggaren 2004

Educational publications

2000 - Developed course material for VUC the Educational branch of the Swedish National Road Administration. The one week course in traffic planning was given to consultants and SNRA employees.

Advisory reports

2011 Yttrande over Effektivare planering av vägar och järnvägar (SOU 2010:57)

2003 Evaluation of the SIDA Road Sector Programme in Lao PDR.

1996 Evaluation of the Swedish Aid Agency (SIDA) support to the road sector in Estonia, Latvia and Lithuania

Other editorial engagement

1986 - Redaktör för Trafiktekniska föreningens tidskrift Reflexen.

Consultancy reports in selection

2011 - Arbetsplan E4 Förbifart Stockholm, utställningshandling
By pass Stockholm. Responsible for report and appendix 1 and 4.

2009 – Västra City trafikanalyser. Underlag för programsamråd
Jernhusen

2009 – Scoping Study Report. Iron Ore Transport Logistics.
BSGR

2005 - Vägutredning för nord-sydliga förbindelser
Trafikverket

2005 – Förstudie Östlig förbindelse
Trafikverket

2004 – Stockholms stad trafiksäkerhetsprogram 2005 - 2010
Trafikkontoret

TEACHING ON UNDERGRADUATE AND MASTER COURSES

Lecture/courses

1981-1982 Rutgers University
Master Courses in Planning Methods including gravity models, population forecast, land use models, regional income and employment analysis.

1988-1990 Royal Institute of Technology.

Courses in traffic engineering including traffic models, capacity models, traffic signals and cost benefit analysis.

Courses for Architects in traffic planning and parking

ONGOING RESEARCH

Innovativ parkering fas B

Projektet finansieras av Vinnova, Utmaningsdriven innovation. Projektledare Pelle Envall, Stockholm.

Projektbudget 7 miljoner.

Potential för bättre folkhälsa och miljö genom att överföra arbetsresor från bil till cykel – en helhetsbedömning.

Projektet finansieras av Forskningsrådet för Arbetsliv och Socialvetenskap. Projektledare Bertil Forsberg, Umeå.

Projektbudget 3 miljoner