STUDY ON IMPROVING THE ACCESSIBILITY & MOBILITY OF THE HIGHWAY NETWORK IN UVA PROVINCE

Amal S. Kumarage
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Urban Centres

- 30 Urban Centres
- Only 1st Order Centre Badulla
- 2nd Order Centres
  - Bandarawela, Moneragala, Kataragama
- Most higher order cities on major roads
TransPlan Traffic Flows

Source: TransPlan Database, University of Moratuwa
Travel Speed

Source: TransPlan Database, Transportation Engineering Division, University of Moratuwa
## Directness

<table>
<thead>
<tr>
<th>From Colombo to</th>
<th>Straight Line Distance (kms)</th>
<th>Minimum Road Distance (kms)</th>
<th>Directness Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galle</td>
<td>105</td>
<td>116</td>
<td>110%</td>
</tr>
<tr>
<td>Ratnapura</td>
<td>60</td>
<td>101</td>
<td>168%</td>
</tr>
<tr>
<td>Kandy</td>
<td>95</td>
<td>116</td>
<td>122%</td>
</tr>
<tr>
<td>Kurunegala</td>
<td>85</td>
<td>93</td>
<td>110%</td>
</tr>
<tr>
<td>Anuradhapura</td>
<td>165</td>
<td>206</td>
<td>125%</td>
</tr>
<tr>
<td>Jaffna</td>
<td>290</td>
<td>396</td>
<td>137%</td>
</tr>
<tr>
<td>Batticaloa</td>
<td>220</td>
<td>303</td>
<td>138%</td>
</tr>
<tr>
<td>Nuwara Eliya</td>
<td>100</td>
<td>180</td>
<td>180%</td>
</tr>
<tr>
<td>Welimada</td>
<td>115</td>
<td>210</td>
<td>183%</td>
</tr>
<tr>
<td>Badulla</td>
<td>130</td>
<td>230</td>
<td>177%</td>
</tr>
<tr>
<td>Moneragala</td>
<td>165</td>
<td>254</td>
<td>154%</td>
</tr>
<tr>
<td>Mahiyangana</td>
<td>130</td>
<td>185</td>
<td>142%</td>
</tr>
</tbody>
</table>
Gradients & Elevation
Issues, Constraints & Strategies

- Internal road system not a critical constraint
- All major roads leading out of province have adequate capacity
- Travel speeds poor on both rail and road connections with Colombo & Kandy
- Poor directness in travel on major roads
Issues, Constraints & Strategies

- Unable to make optimum use of Mahaweli roads
- Unable to take advantage of Dambulla SEC
- Uva poorly connected to tourist areas & routes
- Poor access to places of tourist interest within Uva
RECOMMENDATION & PROPOSALS
Proposal #2:
New Road Axis: Kandy-Badulla

- New Road of 40 kms between Haliella to join with New Kandy Mahiyangana Road near Randenigala
- New Link of 8 kms (Kottegoda- Halaba/Hathkinda) for Vegetables from Welimada & Uva Paranagama to Kandy & Dambulla Restoration of Historical Royal Route (including Bogoda Bridge)
- Public Support and Provincial Initiatives
- Badulla-Kandy, Welimada-Kandy and B’Wela-Kandy travel time reduced to 2-2.5 hrs (distance also reduced to 100 kms).
- Can join with project roads for Uma Oya Project
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Costs

- The feasibility study stage is anticipated to cost around Rs 5 mn, the design stage a further Rs 5 mn. Construction of approximately 50 kms is estimated at between Rs. 1,000 to 1,500 million.
Proposal #3:
Development of Tourist Route

- Restoration of Royal Route (King Dutugemunu’s Route)
- Tissamaharama (Yala) - Kataragama - Buttala (Maligawila) - Badalkumbura - Medagama (Ingingiyagala Nat. Park) - Bibile - Mahiyangana - (Wasgomoowa Nat. Park) - Polonnaruwa
- Distance 255 kms
- Travel Time 5.5 hours
- The cost of these would not exceed Rs. 50 million.
Developing Tourist Routes – Raja Mawatha, Uva

- Polonnaruwa
- Wasgomuwa National Park
- Buttala/Mali gawila
- Maduru Oya NP
- Mahiyangana
- Kataragama
- Tissamaharama/Yala
Proposal #5: Mobility to Colombo

- With Proposed New Colombo-Kandy Road and Proposed Badulla-Kandy Link total travel time from Badulla to Colombo will be 4 to 4.5 hours
- Investigate Proposed Kottawa-Ratnapura Road (SE Highway) & Link with Proposed Naketiya By-Pass
New Road to Colombo

- Kottawa- Ingiriya- Ratnapura- Opanayake- Koslanda- Diyagala
- Maximum elevation 500 metres
- No up/down gradients
- (Distance 135 kms; Travel time 2 hours)
- + 1 hour to Bandarawela, Badulla and Moneragala
- Cost Rs 15,000 mn
Proposal #6
Prescription as Protected Drives

- Develop viewing turn outs
- Divert other through traffic (e.g. trucks)
- Frequent Sign posting
- Building Restrictions
- Cost Rs 22 million
Protected Highways

- Ella-Wellawaya
- Beragala- Bandarawela
- Ella - Namunukula
- Bandawela - Poonagala
- Poonagala - Koslanda
- Boralanda - Ohiya
- Boragas - Hakgala
- Haputale - Dambetenna
- Passara - Madolsima - Mitigahatenne
- Welimada - Kirklees - Uda Pusellawa