A120 BRAINTREE TO THE A12

Feasibility Study

February/March 2018
Welcome & Purpose of today

Chris Stevenson
Head of Commissioning, Connected Essex, Integrated Transport
Essex County Council

- The November Cabinet decision in context
- Explain where we are with the work following Cabinet
- Present an update on
  - Technical studies
  - Engagement Activities
  - Public Affairs work
- How Essex County Council (ECC) will approach taking the final route decision
- Outline ideas for getting the scheme into RIS2
Welcome & Purpose of today

Agenda

1. Welcome
   Chris Stevenson (ECC)
2. Project Progress
   James Burke (Jacobs)
3. Engagement Activity for 2018
   Alison Hood (Jacobs)
4. ECC announcement and RIS2 programme
   Chris Stevenson (ECC)
A reminder of recent decisions

On 23rd November 2017, the Cabinet agreed to move forward with Options B, C, D and E

- Option A was discounted and will not be recommended (although stage 2 work will be completed on this option)
- All Options will be fully evaluated according to the requirements and presented to Highways England in May 2018
Progressing the scheme options

James Burke
A120 Project Manager, Jacobs
Post Consultation and Next Steps

1. July-Sept 2017: Forums were held to present the outcomes of the public consultation and the Transport Focus Study
2. Sept 2017: [Consultation Report](#)

Next Steps

› Ongoing traffic modelling and environmental studies
› Ongoing design amendments following public consultation
› **Summer 2018**: Essex County Council present view on feasibility study which will be handed to Highways England and Secretary of State
› **2019**: Anticipated Highways England Preferred Route Announcement
A120 is at PCF Stage 2 “Option Selection”

- Carry out public consultation including exhibitions
- Analyse comments received and select a preferred option
- Refine the cost estimate
- Refine the environmental impact assessment, traffic forecasts and economic benefits
- Produce an outline business case
- Essex County Council present view on feasibility study
- Highways England Preferred Route Announcement
Routes Presented at Public Consultation

- Main Features of Interest

1. Great Eastern Mainline
2. New A12 junction J24a
3. River Blackwater viaduct
4. IWMF private access jnc
5. Re-built A12 junction J23
6. Bradwell Quarry
7. Tye Green jnc
8. Galleys Corner jnc
9. River Brain jnc
10. Braintree Branch Line
Key Features

Millennium Way slip roads (Options B & D)

1. Braintree Freeport
2. Left turn only out of slip road
3. Existing B1018 Millennium Way and bridge over A120
4. New A120 to Galleys Corner junction & A12
5. Fowlers Farm Roundabout
6. New signalised junction with right turn into on sliproad
7. New sliproads
8. A120 to London Road/Panners junctions & M11
9. Braintree Branch Line

**NB:** Essex County Council is progressing the Millennium Way Slips project separately to the A120 scheme
Key Features

New Galleys Corner Junction (Options B & D)

1. Existing A120 to Marks Farm Roundabout & A131
2. Existing A120 used for local traffic only & singled
3. Braintree
4. Realigned Cressing Road
5. Existing Galleys Corner Roundabout removed
6. Ex A120 to London Rd, Panners junctions & M11
7. To Fowlers Farm Roundabout
8. Ashes Road to Cressing
9. Bridge for local traffic to link Cressing Road and Ashes Road
10. New A120 to A12
Key Features
River Brain Junction & Braintree Branch Line (Options C & E)

1. A120 to London Road & Panners Junctions & M11
2. Bridge over River Brain
3. Braintree Branch line underpass
4. Existing A120 to Galleys Cnr
5. New A120 to A12

To Braintree Freeport
Key Features

1. Ex A120 to Marks Farm Roundabout & A131
2. Galleys Corner Roundabout
3. New dual carriageway link to A131, avoiding Galleys Corner
4. New grade separated junction
5. New A120 to A12
6. New A120 to River Brain jnc & M11
7. Realigned B1018 Braintree Road
Key Features

IWMF Junction for Options D and E (quarry)

1. New A120 to Braintree
2. Existing Quarry Access Road, leading to existing A120
3. Proposed IWMF
4. New A120 to A12
5. Extra bridge over A120 required for junction
6. Quarry Junction
   - Listed building(s)
Key Features

IWMF Junction for Options B and C

1. A120 bridge over quarry access road
2. Existing Quarry Access Road, leading to existing A120
3. New A120 to A12
4. Lagoon, part of approved quarry restoration plan
5. Proposed IWMF
6. New A120 to Braintree
7. Quarry Junction
   • Listed building(s)
Key Features

River Blackwater crossing (Options B & C)

1. New A120 to Braintree
2. Coggeshall Road (Feering)
3. New A120 to A12
4. A120 on viaduct over River Blackwater and floodplain
5. River Blackwater
6. Coggeshall Hall
Key Features

Illustrative view of new A12 Junction 24a connecting to the off-line version of the A12 for Options B and C

1. New A120 to Braintree
2. A120 bridge over Great Eastern Mainline railway
3. New offline A12 to Marks Tey (J25)
4. Existing A12 (de-trunked)
Key Features

Illustrative view of southern A12 Interchange for Option D/E connecting to the off-line version of the A12

1. Additional slip for A120 to Witham & Kelvedon traffic
2. Segregated Left Turn A120 to A12 northbound
3. Kelvedon link
4. New A12 to Marks Tey
5. New A12 on viaduct over River Blackwater (not shown)
6. New A12 widened to dual three lanes off-line
7. New A12 to Witham
8. Essex Fire HQ
9. Existing A12 (de-trunked) to Witham
10. Local road passes under new A120
11. A120 bridge over Great Eastern Mainline Railway
12. New A120 to Braintree

- Listed building(s)
Environmental Study

- Environmental input into ongoing design
- Update of existing information
- Great Crested Newt field work studies
- Bat surveys
- Migrating (overwintering) bird survey
- **Jan 2018**: Scoping to inform environmental assessment report
- Air and noise modelling using updated traffic modelling data
- Stage 2 Environmental Assessment Report

Photo: Jacobs Croydon Ecology team
Environmental Study

- Map showing the environmental constraints of the study area
Traffic model enlarged and refined to:

› Assess local and regional impacts of A120 scheme in more detail

› Provide traffic flows and speeds for Noise and Air Quality modelling

› Accord fully with Highways England requirements for traffic modelling in support of Preliminary Design and Development Consent Order (DCO) Application
Traffic & Economics – Work Underway

› **Summer 2018**: Assess key economic impacts using latest project modelling data, update route option Decision Framework including:
  - Travel time savings
  - Accident reduction benefits
  - Impact of construction on traffic

› **Summer 2018**: Scheme assessment documentation required by Highways England, including:
  - Stage 2 Economic Appraisal Package
  - Stage 2 Business Case
  - Stage 2 Appraisal Summary Table
Decision Framework

In order to enable ECC to identify a favoured route, each option will be assessed against the following criteria:

- Scale of impact on identified problems
- Fit with project objectives
- Economic Growth (Business User benefits and ability to unlock housing and jobs)
- Carbon Emissions
- Local environment
- Well being (Accessibility for all users)
- Expected Value for Money (Benefit Cost Ratio)

- Public Acceptability (based on public consultation)
- Practical Feasibility (Ease of construction)
- Design Safety (Safety for all users)
- Capital Cost (Out-turn costs)
- Revenue Costs (Maintenance costs)
- Overall Cost Risk (Risks associated with construction and development of option)

These factors will be summarised in the overall decision framework and presented in rank order to enable the best performing option or options to be presented.
Engagement activities

Alison Hood
A120 Engagement Manager, Jacobs
**Engagement - Next Steps**

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<tr>
<th>FORUM</th>
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<tbody>
<tr>
<td>Colchester Members’ Forum</td>
<td>19 February 2018</td>
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<tr>
<td>Braintree Members’ Forum</td>
<td>20 February 2018</td>
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<tr>
<td>Braintree Community Forum</td>
<td>12 March 2018</td>
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<tr>
<td>Colchester Community Forum</td>
<td>13 March 2018</td>
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<tr>
<td>Economic Forum</td>
<td>21 March 2018</td>
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<tr>
<td>Environmental Forum</td>
<td>26 March 2018</td>
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ECC announce the findings of the study in **Summer 2018 at a Special Event**

- Aim to hold another round of forums in **Summer 2018**
- Ongoing engagement throughout 2018
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<tr>
<th>MONTH</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>January</td>
<td>MP/Business networking event - Braintree</td>
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<td>March</td>
<td>MP/Business networking event - Colchester</td>
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<td>March</td>
<td>MP meeting at Whitehall</td>
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<td>April</td>
<td>MP/Business networking event - TBC</td>
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<td>July</td>
<td>Parliamentary reception</td>
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ECC announcement and the RIS 2 programme

Chris Stevenson
Head of Commissioning, Connected Essex, Integrated Transport
Essex County Council
ECC announcement on the findings

- **November 2017**: ECC’s decision on a preferred route was delegated to the Deputy Leader and Cabinet Member for Economic Growth, Skills, Infrastructure and the Digital Economy
- **May 2018**: Conclusion of the Stage 2 assessment and feasibility study
- **June 2018**: Kevin Bentley to announce the results of the feasibility study
- **Autumn 2018**: Highways England and the Department for Transport (DfT) will review and consider ECC’s announcement and the findings of the study
- **2019**: A Preferred Route Announcement will then be announced by Highways England once RIS 2 funding is confirmed
• RIS2 preparation runs from now to 2019
• Work to assemble the programme has started with
  • DfT RIS2 consultation from December to February
    • Essex County Council main asks are:
      • Confirmation of A12 programme
      • A120 Braintree to A12
    • Opportunities to bolster this with
      • ECC A120 route preference June 2018
      • Public Affairs work and lobbying
      • Quality assured feasibility reports September 2018
      • Critical Local Plans confirmed by end 2018
    • DfT summarise findings of responses cMay 2018
    • DfT and Office of Road and Rail Statutory process to announce RIS2 programme in 2019
    • Highways England mobilisation prior to April 2020
Getting the A120 into RIS 2

Highways England Process

2018 2019 2020 2021 2022 2023 2024 2025 2026

Pre Stage 3 Stage 3 Stages 4/5 Stage 6

Workstream

Ongoing Assessment Preliminary Design and Application Preparation DCO* Examination and Construction Preparation Construction

RIS 2 Confirmation DCO* Application Notice to Proceed Scheme Open

* Development Consent Order
Additional Information

› Direct email queries to: a120study@Jacobs.com
› Website: Essex County Council
› Further information is available on www.a120essex.co.uk
› Stage 1 documents will be published on the website in March
  • Technical Appraisal Report
  • Environmental Assessment Report
  • Business Case
  • Traffic Forecasting Report
  • Economic Assessment Report
  • Equality Impact Assessment (EqIA)
  • ECC November Cabinet Report
  • Consultation Report
  • Promoter’s Response
Discussion