

Proposed Mixed Use Development - No.1 Dock, Barry

(Ref: 2023/00051/HYB)

Transport & Highways Response Note – May 2023

226956/N02 V1

16th May 2023

Overview & Background

1. This note has been prepared by Vectos, part of SLR, on behalf of ABP Dev Co to set out additional transport and highway matters associated with a proposed mixed use development including marina at the No.1 Dock Barry, Vale of Glamorgan, CF62 5BR. The planning application reference is 2023/00051/HYB.
2. A workshop meeting was held between ABP, Vectos, RPS, Powell Dobson Architects and Vale of Glamorgan (VoG) officers on Tuesday 18th April 2023 at VoG's offices at Barry Docks.
3. This note provides a response to the comments received from the VoG and their appointed consultant Asbri Transport, received on 4th May 2023.
4. The majority of comments have been accommodated within the updated Transport Assessment (TA) and Travel Plan (TP).
5. Some elements are subject to further discussion and consideration, as set out within this response note.

2021 Census Data

6. A request has been made to review the appropriateness of 2021 Census data as part of the application. The updated TA includes car availability from the 2021 Census which was likely to have been impacted to a much lesser extent by the Covid-19 pandemic than travel patterns.
7. It should be noted that while parts of the 2021 Census dataset have been released, Covid-19 restrictions and furlough are expected to have distorted movement and mode share patterns during the survey period. The origin destination data has not yet been released for the 2021 dataset. Notwithstanding the limitations in validity of the 2021 Census for transport patterns, the origin and destination data is not yet available.
8. Therefore, at this stage the 2011 Census is still considered to be the most appropriate method of forecasting whilst the 2021 Census has been used for car availability statistics.

Masterplan Updates

9. Comments related to the masterplan have been considered and where appropriate incorporated into the masterplan refinements which have taken place as a result of ongoing dialogue with VoG officers. The TA includes a package of supporting swept path analysis drawings and further evidence is provided to contextualise and demonstrate the appropriateness of the parking provision.

Weekend Trip Assessment

10. The response has asked the TA to consider a Weekend Trip Assessment.
11. At present, a weekday trip generation exercise has been considered following initial discussions with VoG. This is largely due to the following factors:
 - The local highway network is typically at its busiest during the AM (08:00 – 09:00) and PM (17:00 – 18:00) weekday peaks.
 - The residential and office (incubator building) elements of the site proposals will generate the majority of their vehicle trips during these typical AM and PM peak hours;
 - The effect of the site on the local highway network will be at its greatest during the busiest periods, i.e., the AM and PM peak hours.
12. It has not been deemed appropriate or necessary to assess the vehicle effect of the development on weekends for the following reasons:
 - On weekends, the local highway network generally experiences a typically even spread of trips across the day as opposed to the typically busier AM and PM peaks experienced during a weekday, putting less strain on the network in terms of capacity;
 - The office element of the site proposals (incubator building) will generate little to no trips on weekends;
 - The residential element of the site proposals will generate a more even spread of trips across the day on weekends as opposed to a higher number of trips during the typical AM and PM peaks for weekdays.

Junction Assessment

13. A scope of junction assessment was agreed with VoG officers. TA Chapter 7, Traffic Effect has been updated to include ARCADY modelling for the Ffordd y Mileniwm / Gladstone Bridge roundabout and LinSig modelling of the junction of Ffordd Y Mileniwm / Hood Road / Neptune Road.
14. This assessment has demonstrated that accounting for the development proposals and background traffic flows, the local highway network (two local junctions) continues to operate within its theoretical capacity accounting for the development. Full details are provided in TA Chapter 7 which has been updated.

Summary & Next Steps

15. This note has been prepared by Vectos, part of SLR, on behalf of ABP Dev Co to set out transport and highway matters associated with a proposed mixed use development including a marina at the No.1 Dock Barry. It provides a response to the comments received from the VoG and their appointed consultant Asbri Transport, received on 4th May 2023.
16. The majority of comments have been accommodated within the updated Transport Assessment (TA) and Travel Plan (TP). This note has summarised other elements of the response which have been considered and the Vectos response is set out in this note, this concerns the usage of 2021 Census data, Site Masterplan, and a weekend assessment scenario.