

A57 Link Roads TR010034 6.5 Environmental Statement Appendix 11.2 Construction Noise Plant Lists

APFP Regulation 5(2)(a)

Planning Act 2008 Infrastructure Planning (Applications: Prescribed

Forms and Procedure) Regulations 2009

June 2021



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11. Construction Noise Plant Lists

11.1 Introduction

- 11.1.1 This section presents the data used to predict the daytime and night-time construction noise levels for the Scheme that are presented in Chapter 11 Noise and Vibration of the Environmental Statement (ES) (TR010034/APP/6.3). This section presents information on construction traffic data supplied by the principal contractor.
- 11.1.2 Information relating to the proposed construction activities, plant lists, on-times, and construction phasing was provided by the construction contractor, along with an indicative construction programme. Noise data from BS 5228:2009 + A1:2014 has been assigned to the named items of plant in order to calculate the activity noise level. Other data sources, such as measurement data, have been used where similar items of plant could not be found in BS 5228.
- 11.1.3 For further information relating to the assessment methodology, please refer to Chapter 11 Noise and Vibration of the ES.



11.2 Plant lists

| Table | 11.2.1: | General | activities |
|-------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| | | OOIIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIOIIOIOIOIOIOIOIOIOIOIOI | |

| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|----------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 4 Axled tipper wagon | 80 | C.2.34 | 5 | 75 | 86 | |
| | Tracked excavator | 77 | C.2.2 | 3 | 75 | 81 | |
| | Diesel generator | 66 | C.4.78 | 2 | 100 | 69 | |
| Compound running | Road sweeper | 76 | C.4.90 | 1 | 50 | 73 | 88 |
| | Wheeled loader | 79 | D.10.91 | 2 | 25 | 76 | |
| | Telescopic handler | 79 | C.4.54 | 2 | 75 | 81 | |
| | Fuel tanker lorry | 76 | C.4.15 | 1 | 25 | 70 | |



Table 11.2.2: Phase 1

| Construction Activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|-------------------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | Chainsaw | 86 | D.2:13 | 4 | 75 | 91 | |
| Site clearance | Tracked excavator (inserting cage) | 74 | C.3-24 | 1 | 25 | 68 | 91 |
| Sile clearance | Tracked excavator | 77 | C.2-2 | 1 | 50 | 74 | 91 |
| | 8t Excavator | 71 | C.4.17 | 2 | 25 | 68 | |
| | Stihl Saw | 91 | C.4.70 | 6 | 25 | 96 | |
| Domolition | 16t Excavator and hydraulic breaker | 88 | C.5.1 | 1 | 50 | 87 | 96 |
| Demolition | 8t Excavator | 71 | C.4.17 | 1 | 50 | 70 | |
| | Lorry | 79 | C.8.20 | 2 | 50 | 79 | |
| | 25t Tracked excavator | 77 | C.2.19 | 2 | 75 | 79 | |
| | 24t Bulldozer | 83 | C.5.15 | 2 | 75 | 85 | |
| | Articulated dump truck | 81 | C.5.16 | 4 | 75 | 86 | |
| | 4 Axled tipper wagon | 80 | C.2.34 | 2 | 75 | 82 | |
| Construction | 6t Dumper | 79 | C.4.6 | 2 | 75 | 81 | 92 |
| compound set-up | 12t Roller | 84 | C.5.24 | 2 | 50 | 84 | 92 |
| | Concrete mixer truck | 80 | C.4.20 | 1 | 50 | 77 | |
| | Poker vibrator | 78 | C.4.33 | 1 | 75 | 77 | |
| | Road roller | 80 | C.5.19 | 2 | 75 | 82 | |
| | Asphalt paver | 77 | C.5.31 | 1 | 75 | 76 | |
| | Concrete mixer truck & pump | 75 | C.4-28 | 1 | 50 | 72 | 00 |
| | Hydraulic hammer rig | 89 | C.3-1 | 1 | 50 | 86 | 86 |



| Construction Activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|-----------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| Pre-cast concrete | Tracked mobile crane | 70 | C3.29 | 1 | 50 | 67 | |
| piling near the River | Poker vibrator | 69 | C.4-34 | 3 | 25 | 68 | |
| Etherow | Compressor | 72 | D.6-18 | 1 | 100 | 72 | |
| Epobling works | Tracked excavator (14t) | 69 | C.2.25 | 1 | 75 | 68 | 82 |
| Enabling works | 4 Axled tipper wagon | 80 | C.2.34 | 2 | 75 | 82 | |
| | Drilling for fixings | 78 | D.6.52 | 1 | 25 | 72 | |
| Traffic management | Hand tools | 76 | Measured | 2 | 25 | 73 | 77 |
| for Mottram Underpass | Road marking vehicle | 74 | Measured | 1 | 50 | 71 | 11 |
| | Traffic management vehicles | 70 | D.7.121 | 2 | 25 | 67 | |



Table 11.2.3: Phase 2

| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|---------------------------------|------------------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 40t Excavator | 77 | C.4.63 | 2 | 50 | 77 | |
| | 20t Excavator | 74 | C.3.24 | 4 | 50 | 77 | |
| Earthworks | 9t Dumper | 76 | C.4.4 | 4 | 25 | 76 | 85 |
| | Roller (Bomag 120) | 80 | C.5.21 | 6 | 25 | 82 | |
| | Vibratory roller (Ramax) | 77 | C.5.28 | 2 | 25 | 74 | |
| | Hydraulic hammer rig | 89 | C.3-1 | 1 | 50 | 86 | 87 |
| Mottram Underpass | Tracked excavator (Inserting cage) | 74 | C.3-24 | 1 | 25 | 68 | |
| piling | Concrete pump | 78 | C.3-25 | 1 | 50 | 75 | |
| | Lorry with lifting boom | 77 | C.4-53 | 1 | 25 | 71 | |
| Transport of excavated material | ADT 20t | 81 | C.2.33 | 20 | 50 | 91 | 91 |
| | Rotary bored piling | 83 | C.3.14 | 2 | 50 | 83 | |
| Carrhouse Lane | 80t Crawler service crane | 70 | C.3.30 | 2 | 50 | 70 | 85 |
| underpass | Concrete mixer trucks | 80 | C.4.20 | 1 | 50 | 77 | 85 |
| | 32m Concrete boom pump | 75 | C.4.28 | 6 | 25 | 77 | |
| | Rotary bored piling | 83 | C.3.14 | 2 | 50 | 83 | |
| | 80t Crawler service crane | 70 | C.3.30 | 2 | 50 | 70 | 05 |
| Old Mill underpass | Concrete mixer trucks | 80 | C.4.20 | 1 | 50 | 77 | 85 |
| | 32m Concrete boom pump | 75 | C.4.28 | 6 | 25 | 77 | |
| Watercourse works | 13t Excavator | 74 | C.6.12 | 1 | 25 | 68 | 82 |



| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|-----------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 8t Excavator | 71 | C.4.17 | 1 | 25 | 65 | |
| | Slip form mounted vehicle | 81 | D.8:19 | 1 | 25 | 75 | |
| | De-watering pump | 81 | C.11:0 | 1 | 75 | 80 | |
| | Concrete mixer and pump | 75 | C.4.25 | 1 | 25 | 69 | |
| | Drilling for fixings | 78 | D.6.52 | 1 | 25 | 72 | 77 |
| Traffic management at | Hand tools | 76 | Measured | 2 | 25 | 73 | |
| Mottram Moor | Road marking vehicle | 74 | Measured | 1 | 50 | 71 | |
| | Traffic management vehicles | 70 | D.7.121 | 2 | 25 | 67 | |



Table 11.2.4: Phase 3

| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|--------------------------------|---------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 800t Mobile crane | 67 | C.3.28 | 1 | 75 | 66 | |
| Mottram Underpass structure | 80t Crawler service crane | 70 | C.3.30 | 2 | 75 | 72 | 85 |
| | 32m Concrete boom pump | 75 | C.4.28 | 1 | 25 | 69 | 00 |
| | Concrete mixer trucks | 80 | C.4.20 | 6 | 50 | 85 | |
| | 30t Tracked excavator | 75 | C.2.16 | 2 | 75 | 77 | |
| | Tracked dozer | 75 | C.2.12 | 2 | 75 | 77 | 89 |
| Temporary road realignment | 40t Dump truck | 79 | C.6.26 | 4 | 75 | 84 | |
| | Artic dump truck | 79 | C.6.26 | 4 | 75 | 84 | |
| | 16t Roller | 79 | C.2.37 | 4 | 75 | 84 | |
| | 20t Tracked excavator | 78 | C.2.3 | 2 | 75 | 80 | |
| | Motor grader | 86 | C.6.31 | 2 | 75 | 88 | |
| Deed construction | D6 Dozer | 81 | C.2.12 | 2 | 75 | 83 | 04 |
| Road construction | Vibrating roller | 75 | C.5.20 | 2 | 75 | 77 | 91 |
| | Artic dump truck | 79 | C.6.26 | 2 | 75 | 81 | |
| | Telescopic handler | 79 | C.2.53 | 2 | 75 | 81 | |
| | D6 Tracked dozer | 81 | C.2.12 | 2 | 50 | 81 | |
| | 40t Dump truck | 79 | C.6.26 | 2 | 50 | 79 | |
| Landscaping | Chainsaw | 91 | C.4.70 | 2 | 50 | 91 | 92 |
| | 20t Road lorry (full) | 80 | C.6.21 | 1 | 25 | 74 | |
| Watercourse works | 13t Excavator | 74 | C.6.12 | 1 | 25 | 68 | 82 |



| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|-----------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 8t Excavator | 71 | C.4.17 | 1 | 25 | 65 | |
| | Slip form mounted vehicle | 81 | D.8:19 | 1 | 25 | 75 | |
| | De-watering pump | 81 | C.11:0 | 1 | 75 | 80 | |
| | Concrete mixer and pump | 75 | C.4.25 | 1 | 25 | 69 | |
| | Drilling for fixings | 78 | D.6.52 | 1 | 25 | 72 | |
| Traffic management at | Hand tools | 76 | Measured | 2 | 25 | 73 | 77 |
| M67 | Road marking vehicle | 74 | Measured | 1 | 50 | 71 | |
| | Traffic management vehicles | 70 | D.7.121 | 2 | 25 | 67 | |



Table 11.2.5: Phase 4

| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|---------------------------------|---------------------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| Transport of excavated material | ADT 20t | 81 | C.2.33 | 20 | 50 | 91 | 91 |
| | 20t Tracked excavator | 78 | C.2.3 | 2 | 75 | 80 | |
| | Motor grader | 86 | C.6.31 | 2 | 75 | 88 | |
| Road construction | D6 Dozer | 81 | C.2.12 | 2 | 75 | 83 | 91 |
| Road construction | Vibrating roller | 75 | C.5.20 | 2 | 75 | 77 | 91 |
| | Artic dump truck | 79 | C.6.26 | 2 | 75 | 81 | |
| | Telescopic handler | 79 | C.2.53 | 2 | 75 | 81 | |
| | D6 Tracked dozer | 81 | C.2.12 | 2 | 50 | 81 | 92 |
| Landaganing | 40t Dump truck | 79 | C.6.26 | 2 | 50 | 79 | |
| Landscaping | Chainsaw | 91 | C.4.70 | 2 | 50 | 91 | |
| | 20T Road lorry (full) | 80 | C.6.21 | 1 | 25 | 74 | |
| | Asphalt paver (+tipper lorry) | 75 | C.5.33 | 1 | 75 | 74 | |
| | Road wagons 20t | 80 | C.2.34 | 10 | 50 | 87 | |
| | Roller (Bomag 120) | 80 | C.5.21 | 2 | 25 | 77 | |
| Road surfacing | Vibratory roller (Ramax) | 77 | C.5.28 | 2 | 25 | 74 | 91 |
| | 16t Excavator and hydraulic breaker | 88 | C.5.1 | 2 | 25 | 85 | |
| | W200 Hi cold milling machine (Planer) | 82 | C.5.7 | 2 | 50 | 82 | |
| | Vibratory roller | 77 | C.5.28 | 2 | 50 | 77 | |
| Excavation | 40t Excavator | 77 | C.4.63 | 2 | 50 | 77 | 82 |



| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) |
|-----------------------|-----------------------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|
| | 20t Excavator | 74 | C.3.24 | 4 | 50 | 77 | |
| | 9t Dumper | 76 | C.4.4 | 4 | 25 | 76 | |
| | Hand-held saw (petrol-cutting concrete) | 79 | C.4.72 | 1 | 25 | 73 | 81 |
| | Generator | 64 | C.4.79 | 1 | 75 | 63 | |
| Street furniture | Core drill | 85 | C.4.69 | 1 | 25 | 79 | |
| Street furniture | Mobile telescopic crane | 71 | C.4.40 | 1 | 50 | 68 | |
| | Tracked excavator | 68 | C.4.23 | 1 | 50 | 65 | |
| | Hand tools | 63 | C.4.57 | 2 | 25 | 60 | |
| | Drilling for fixings | 78 | D.6.52 | 1 | 25 | 72 | |
| Traffic management at | Hand tools | 76 | Measured | 2 | 25 | 73 | 77 |
| Woolley Bridge | Road marking vehicle | 74 | Measured | 1 | 50 | 71 | |
| | Traffic management vehicles | 70 | D.7.121 | 2 | 25 | 67 | |



Table 11.2.6: Phase 5

| Construction activity | Plant | dB L _{Aeq} at 10m | BS 5228 reference | Quantity | On- time | Adjusted dB L _{Aeq} at 10m | Activity noise level at 10m (dB L _{Aeq}) | |
|--------------------------------|-----------------------------------------|-------------------------------|----------------------|----------|-------------|-------------------------------------------|----------------------------------------------------------|--|
| Landscaping | D6 Tracked dozer | 81 | C.2.12 | 2 | 50 | 81 | | |
| | 40T Dump truck | 79 | C.6.26 | 2 | 50 | 79 | 92 | |
| | Chainsaw | 91 | C.4.70 | 2 | 50 | 91 | | |
| | 20t Road lorry (full) | 80 | C.6.21 | 1 | 25 | 74 | | |
| | Hand-held saw (petrol-cutting concrete) | 79 | C.4.72 | 1 | 25 | 73 | | |
| | Generator | 64 | C.4.79 | 1 | 75 | 63 | | |
| | Core drill | 85 | C.4.69 | 1 | 25 | 79 | | |
| | Mobile telescopic crane | 71 | C.4.40 | 1 | 25 | 65 | | |
| Road construction (detrunking) | Tracked excavator | 68 | C.4.23 | 1 | 25 | 62 | 84 | |
| (| Hand tools | 63 | C.4.57 | 2 | 75 | 65 | | |
| | Asphalt paver (+tipper lorry) | 75 | C.5.33 | 1 | 25 | 69 | | |
| | 20t Road wagons | 80 | C.2.34 | 2 | 50 | 80 | | |
| | Roller Bomag 120 | 80 | C.5.21 | 2 | 25 | 77 | | |



Table 11.2.7: Construction traffic data supplied by the Principal Contractor

| Item | Description | Quantity m ³ | HDV Single Movements | Routing | Vehicle Type | Dist. | Electric Possible | Sample Vehicles | Plan/Duration (A57 Work Areas Programme R3) |
|------|--------------------------------------------------------------------------|----------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|----------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 1 | Cut from Show Ground to fill west of River Etherow | 210,000 | 15,000 | Number of full loads from Show Ground moving east, return journey empty. On site movement using haul road | ADT | 1.0 km | Yes | ADT - CAT 725 artic dump truck | Phase 2 Mar 2023 to late Sept 2023 moving material from area 1 to area 2 |
| 2 | Cut from Underpass moving west to fill area M67 to Underpass | 150,000 | 10,714 | Number of full loads from underpass to fill area east of M67 roundabout, return journey empty. On site movement using haul road | ADT | 0.5 km | Yes | | Phase 4 Mar 2024 to Oct 2024, moving material from the underpass to area 1 |
| 3 | Concrete delivery to site | 18,000 | 2,250 | From Ashbury or Bredbury area (6km) via M67 | Mixer Truck | 6.0 km | Yes | Liebheer 8m3 concrete truck mixer | From Mar 2023 to Dec 2024, majority of concrete from Mar 2023 to Mar 2024 |
| 4 | Import stone (capping/subbase) Option 1 using quarry | 40,000 | 2,857 | From local quarry Harrop Edge to site using site haul road | ADT | 1.0 km | Yes | | From Quarry using haul road along centre line on new road, duration from Mar 2023 to Dec 2024 |
| 5 | Import stone (capping/subbase) Option 2 using Ashbury rail head | 40,000 | 5,000 | From Ashbury Rail Head via M67 | 8 Wheel Road | 6.0 km | Yes | Volvo FMX dump truck | Mar 2023 to Dec 2024 |
| 6 | Road pavement import | 21,000 | 2,625 | From Ashbury or Bredbury plant via M67 | 8 Wheel Road | 6.0 km | Yes | | Majority of material from Mar 2024 to Dec 2024 |



| Item | Description | Quantity m ³ | HDV Single Movements | Routing | Vehicle Type | Dist. | Electric Possible | Sample Vehicles | Plan/Duration (A57 Work Areas Programme R3) |
|------|----------------------------------------|----------------------------|-------------------------|-------------------------------------------------------------------------------------------------|----------------------------|--------|----------------------|--------------------|---------------------------------------------------|
| 7 | General deliveries - artic flat bed | - | 1,460 | Delivery of precast concrete products, office units, reinforcement, plant, etc via M67 | 8m artic flat bed | Varies | Yes | | Throughout duration of scheme |
| 8 | General deliveries - 6 wheel | - | 2,920 | Office consumables, skips, etc via M67 | Box van, or flat bed | Varies | Yes | | Throughout duration of scheme |

*NB Only one of Item 4 or 5 will be used. Item 5 is assumed for the construction traffic assessment.

11.3 Indicative construction timescales

- 11.3.1 This section presents the indicative data supplied by the Principal Contractor that shows the planned durations and pace or works to be carried out during the build.
- 11.3.2 This information, combined with mapping showing the extent of planned works, and professional judgement was used to denote significance of effect at several of the construction assessment locations.
- 11.3.3 For further information relating to the assessment methodology, please refer to Chapter 11 Noise and Vibration.



Table 11.3.1: Indicative construction timescales supplied by the Principal Contractor

| Phase | Activity | Total duration of activity | >= 10 days or nights in 15 consecutive days/nights | >= any 40 days within a 6 month period | If works are transient, what rate of progression is expected? E.g. 50 metres per day? |
|---------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Site clearance | 4 Weeks | 20 days continuous work | - | 3 gangs working at 100m day each |
| 1 | Demolition | 2 Weeks | 10 days work | - | 2 teams working at 1 house per day each. Only in Mottram Underpass area |
| 1 | Compound set- up | 12 weeks | 60 days | 60 days | In one location |
| 1 | Enabling works | 12 weeks | 60 days | 60 days | Various locations, stats diversions, and Archaeology |
| 2,3 | Watercourse works | 6 months | 5 days | 5 days | I week per month |
| 2 | Earthworks (excavation, embankment) | 6 Months | Working all days | Working all days | Area as shown on plan progressing from Sth to Nth at around 10m per day but his rate will slow as the excavation gets deeper in the north |
| 2 | Mottram underpass piling | 3 months | Working all days | Working all days | 4 piles per day, using two rigs |
| 2 | Transport of fill material (east) | 6 months | Working all days | Working all days | Transport follows earthworks location but will all use the plant crossing over Mottram Moor road |
| 2 | Traffic Management Mottram Moor | 6 months | Working all days, operation of the plant crossing. 1 day week, maintenance of the TM | | |
| 3, 4, 5 | Landscaping | 12 months | 15 days | 15 days | 3 weeks Autumn, 3 weeks spring, 3 weeks summer cut |



| Phase | Activity | Total duration of activity | >= 10 days or nights in 15 consecutive days/nights | >= any 40 days within a 6 month period | If works are transient, what rate of progression is expected? E.g. 50 metres per day? |
|-------|--------------------------------------|----------------------------------|----------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Mottram underpass structure | 6 months | Working all days | Working all days | Working only in underpass area, will be working below the level of the existing houses, starts 2m below existing ground level before full excavation which we see most of the work undertaken 8m below existing ground level |
| 3 | Temp Road realignment | 2 weeks | 10 days | 10 days | |
| 3 | Road construction | 4 weeks | Working all days | Working all days | Laying 5 layers but each should move around 300m day |
| 4 | Transport of fill material (west) | 4 months | Working all days | Working all days | |
| 4 | Road construction | 3 months | Working all days | Working all days | 50m per day |
| 4 | Road surfacing | 2 months | Working all days | Working all days | 300m day |
| 4 | Excavation | 4 months | Working all days | Working all days | Excavation from within the underpass box below ground and with underpass roof in place |
| 4 | Street furniture | 4 months | 5 days | 5 days | Assumed 1 week work each months |
| 5 | Road construction (detrunking) | 8 weeks | 40 days | 40 days | Assume 1 week work moving along old A57 at 150m week |

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