



# Awel y Môr Offshore Wind Farm

## Category 6: Environmental Statement

### Volume 5, Annex 1.1: Crossing Schedule

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Annex 3.1: Crossing Schedule

Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Environmental Obstacle Crossing	5A-EOX-1	The Flash - Possible Environmental Constraint	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-10	Potential Mature Trees	Surface	Trenchless to be used
Environmental Obstacle Crossing	5A-EOX-11	Potential Mature Tree	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-12	Potential Mature Trees - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Environmental Obstacle Crossing	5A-EOX-13	Potential Mature Tree	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-2	The Flash - Possible Environmental Constraint - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Environmental Obstacle Crossing	5A-EOX-3	Potential Mature Trees	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-4	Bryn Cwnin Covert - Ancient Woodland	Surface	Trenchless to be used
Environmental Obstacle Crossing	5A-EOX-5	Potential Mature Tree	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-6	Potential Mature Trees	Surface	Either Option
Environmental Obstacle Crossing	5A-EOX-7	Potential Mature Trees	Surface	Trenchless to be used
Environmental Obstacle Crossing	5A-EOX-8	Potential Mature Trees	Surface	Trenchless to be used
Environmental Obstacle Crossing	5A-EOX-9	Mature Trees at Erw'r-gaseg	Surface	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-1	Sea defences	Buried	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-2	Rhyl Golf Club	Surface	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-3	Proposed Flood Defence Bund	Surface	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-4	Lyons Robin Hood Holiday Park	Surface	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-5	Caravan Storage Area - Possible Cable Route Crossing	Surface	Trenchless to be used
Overhead Utilities Crossing	5A-OOX-6	A525 Flyover	Overhead	No Crossing Works Required
Overhead Utilities Crossing	5A-OOX-7	Area of planning permission for Residential / Industrial Development	Surface	Either Option
Overhead Utilities Crossing	5A-OUX-1	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-10	BT Telecoms Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-11	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-12	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-13	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-14	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-15	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-16	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-17	SPEN Electricity Line	Overhead	Trenchless to be used
Overhead Utilities Crossing	5A-OUX-18	BT Telecoms Line	Overhead	Trenchless to be used
Overhead Utilities Crossing	5A-OUX-19	SPEN Electricity Line - Possible Cable Route Crossing	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-2	BT Telecoms Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-20	SPEN Electricity Line - Possible Cable Route Crossing	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-21	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-22	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-23	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-24	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-25	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-26	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-27	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-28	SPEN Electricity Line	Overhead	Trenchless to be used
Overhead Utilities Crossing	5A-OUX-29	SPEN Electricity Line	Overhead	Trenchless to be used

## Annex 3.1: Crossing Schedule

Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Overhead Utilities Crossing	5A-OUX-30	SPEN Electricity Line	Overhead	Trenchless to be used
Overhead Utilities Crossing	5A-OUX-31	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-32	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	5A-OUX-33	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-34	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-35	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-7	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-8	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Overhead Utilities Crossing	5A-OUX-9	SPEN Electricity Line	Overhead	Either Option
Footpath, bridleway or other track crossing	5A-PAT-1	Track - Public Right of Way (footpath)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-10	Path - Public Right of Way (footpath) - Possible Cable Route Crossing	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-11	Track - Public Right of Way (footpath)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-12	Path - Public Right of Way (North Wales Path)	Surface	Trenchless to be used
Footpath, bridleway or other track crossing	5A-PAT-13	Path - Public Right of Way (footpath)	Surface	Trenchless to be used
Footpath, bridleway or other track crossing	5A-PAT-14	Track / Path	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-15	Public Right of Way (footpath)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-16	Public Right of Way (footpath)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-17	Public Right of Way (bridleway)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-2	Track - Public Right of Way (footpath)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-3	Track - Public Right of Way (Byway - open to all traffic)	Surface	Either Option
Footpath, bridleway or other track crossing	5A-PAT-4	Track - Public Right of Way (Byway - open to all traffic) - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Footpath, bridleway or other track crossing	5A-PAT-5	Track - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Footpath, bridleway or other track crossing	5A-PAT-6	Track	Surface	Trenchless to be used
Footpath, bridleway or other track crossing	5A-PAT-7	Path - Public Right of Way (footpath)	Surface	Trenchless to be used
Footpath, bridleway or other track crossing	5A-PAT-8	Track - Public Right of Way (footpath) - Within TCC	Surface	Within TCC
Footpath, bridleway or other track crossing	5A-PAT-9	Path - Within TCC	Surface	Within TCC
Footpath, bridleway or other track crossing	5A-RX-1	A548 Rhyl Coast Road	Surface	Trenchless to be used
Road Crossing	5A-RX-10	Junction 26 of A55 - East Bound Off Ramp	Surface	Trenchless to be used
Road Crossing	5A-RX-11	A55	Surface	Trenchless to be used
Road Crossing	5A-RX-12	Junction 26 of A55 - West Bound On Ramp	Surface	Trenchless to be used
Road Crossing	5A-RX-13	Minor Access Road	Surface	Trenchless to be used
Road Crossing	5A-RX-2	Dyserth Road	Surface	Either Option
Road Crossing	5A-RX-3	Minor road for access to farm.	Surface	Trenchless to be used
Road Crossing	5A-RX-4	A525 Road	Surface	Trenchless to be used
Road Crossing	5A-RX-5	A547 Abergele Road	Surface	Either Option
Road Crossing	5A-RX-6	Minor Farm Access Road	Surface	Trenchless to be used
Road Crossing	5A-RX-7	Bodelwyddan Road	Surface	Trenchless to be used
Road Crossing	5A-RX-8	Nant-Y-Faenol Road	Surface	Either Option
Road Crossing	5A-RX-9	Minor Access Road to Tyddyn Isaf Farm	Surface	Trenchless to be used
UnderTrack Crossing	5A-UTX-1	Railway	Surface	Trenchless to be used
Underground Utilities Crossing	5A-UUX-1	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-10	BT Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing

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Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Underground Utilities Crossing	5A-UUX-10A	BT Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-10B	BT Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-10C	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-11	Burbo Bank Cable	Buried	Beach Access
Underground Utilities Crossing	5A-UUX-12	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-13	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-14	Private Sewer - 225mm Vitrified Clay Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-15	Welsh Water Sewer - 300mm concrete combined sewer	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-16	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-17	Welsh Water Main - 100mm Cast Iron Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-18	Wales and West Utilities Gas Main	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-19	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-2	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-20	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-21	Private water main	Buried	Either Option
Underground Utilities Crossing	5A-UUX-22	Private water main - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-23	Wales and West Utilities Gas Main - Intermediate Pressure (2-7 Bar)	Buried	Either Option
Underground Utilities Crossing	5A-UUX-24	Wales and West Utilities Gas Main - Intermediate Pressure (2-7 Bar)	Buried	Either Option
Underground Utilities Crossing	5A-UUX-25	Wales and West Utilities Gas Main - Intermediate Pressure (2-7 Bar) - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-26	Welsh Water Main - 300mm Ductile Iron Pipe - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-27	Wales and West Utilities Gas Main - Low Pressure - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-28	BT Telecoms Line - Within TCC Access	Buried	Within TCC
Underground Utilities Crossing	5A-UUX-29	SPEN Electricity Line - Within TCC Access and in North of TCC	Buried	Within TCC
Underground Utilities Crossing	5A-UUX-3	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-30	BT Telecoms Line - Within TCC Access	Buried	Within TCC
Underground Utilities Crossing	5A-UUX-30A	Unidentified Utility - Within TCC	Buried	Within TCC
Underground Utilities Crossing	5A-UUX-31	Wales and West Utilities Gas Main - Low Pressure	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-32	Welsh Water Main - 300mm Ductile Iron Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-33	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-34	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-35	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-36	Welsh Water Main - 450mm High Performance Polyethylene Pipe	Buried	Either Option
Underground Utilities Crossing	5A-UUX-37	Abandoned Welsh Water Main - 375mm Asbestos Cement Pipe	Buried	Either Option
Underground Utilities Crossing	5A-UUX-38	Wales and West Utilities Gas Main - Intermediate Pressure (2-7 Bar)	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-39	Wales and West Utilities Gas Main - High Pressure (>7Bar)	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-4	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-40	Wales and West Utilities Gas Main - Intermediate Pressure (2-7 Bar) - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-41	Wales and West Utilities Gas Main - High Pressure (>7Bar) - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-42	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-43	Assumed Welsh Water Main - 450mm High Performance Polyethylene Pipe - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-44	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-45	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing

## Annex 3.1: Crossing Schedule

Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Underground Utilities Crossing	5A-UUX-46	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-47	BT Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-48	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-49	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-5	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-50	Assumed Welsh Water Main - 450mm High Performance Polyethylene Pipe - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-51	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-52	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-53	Welsh Water Sewer - 300mm cast iron combined rising main	Buried	Either Option
Underground Utilities Crossing	5A-UUX-54	Welsh Water Main - 90mm High Performance Polyethylene Pipe	Buried	Either Option
Underground Utilities Crossing	5A-UUX-55	BT Telecoms Line	Buried	Either Option
Underground Utilities Crossing	5A-UUX-56	Welsh Water Main - 375mm Asbestos Cement Pipe	Buried	Either Option
Underground Utilities Crossing	5A-UUX-57	Welsh Water Main - 400mm Ductile Iron Concrete Lined Pipe	Buried	Either Option
Underground Utilities Crossing	5A-UUX-58	Abandoned Welsh Water Main - 200mm Cast Iron Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-59	Welsh Water Main - 125mm Medium Density Polyethylene Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-6	BT Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-60	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-61	Land drainage network.	Buried	Either Option
Underground Utilities Crossing	5A-UUX-62	Underground Pipe - D=0.6	Buried	Either Option
Underground Utilities Crossing	5A-UUX-63	Gwynt Y M H r Onshore Transmission Cables	Buried	Either Option
Underground Utilities Crossing	5A-UUX-64	Welsh Water Main - 425mm Asbestos Cement Pipe	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-65	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-66	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-67	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-68	Zayo Fibre Telecoms	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-69	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-7	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-70	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-71	SPEN Electricity Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-72	BT Telecoms Line	Buried	Trenchless to be used
Underground Utilities Crossing	5A-UUX-73	Wales and West Utilities Gas Main - High Pressure (>7Bar)	Buried	Either Option
Underground Utilities Crossing	5A-UUX-74	Disused Private 3 inch asbestos cement water main.	Buried	Either Option
Underground Utilities Crossing	5A-UUX-8	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	5A-UUX-9	Welsh Water Sewer - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-1	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-10	Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-11	Afon Ffyddion Watercourse - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-12	River Clwyd	Surface	Trenchless to be used
Watercourse Crossing	5A-WX-13	Surface Water Ditch	Surface	Trenchless to be used
Watercourse Crossing	5A-WX-14	Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-15	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-16	Surface Water Ditch	Surface	Either Option

## Annex 3.1: Crossing Schedule

Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Watercourse Crossing	5A-WX-17	Minor Watercourse / Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-18	Minor Watercourse / Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-19	Minor Watercourse / Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-2	Suspected Culverted Surface Water Ditch - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-20	Surface Water Ditch	Surface	Trenchless to be used
Watercourse Crossing	5A-WX-21	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-22	Surface Water Ditch - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-23	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-3	The Cut Watercourse	Surface	Either Option
Watercourse Crossing	5A-WX-4	The Cut Watercourse - Off Route Haul Road Crossing	Surface	Off Route Haul Road Crossing
Watercourse Crossing	5A-WX-5	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-6	Aberkinsey Drain	Surface	Either Option
Watercourse Crossing	5A-WX-7	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-8	Surface Water Ditch	Surface	Either Option
Watercourse Crossing	5A-WX-9	Afon Ffyddion Watercourse	Surface	Trenchless to be used
Environmental Obstacle Crossing	SS5-EOX-1	Potential Mature Tree	Surface	Either Option
Environmental Obstacle Crossing	SS5-EOX-2	Potential Mature Tree	Surface	Either Option
Environmental Obstacle Crossing	SS5-EOX-3	Potential Mature Trees	Surface	Either Option
Overhead Utilities Crossing	SS5-OUX-1	BT Telecoms Line	Overhead	Either Option
Overhead Utilities Crossing	SS5-OUX-2	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	SS5-OUX-3	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	SS5-OUX-4	SPEN Electricity Line	Overhead	Either Option
Overhead Utilities Crossing	SS5-OUX-5	BT Telecoms Line	Overhead	Either Option
Overhead Utilities Crossing	SS5-OUX-6	SPEN Electricity Line - Off Route Haul Road Crossing	Overhead	Off Route Haul Road Crossing
Footpath, bridleway or other track crossing	SS5-PAT-1	Path	Surface	Either Option
Footpath, bridleway or other track crossing	SS5-PAT-2	Public Right of Way (footpath)	Surface	Either Option
Road Crossing	SS5-RX-1	B5381 Glascoed Road	Surface	Either Option
Road Crossing	SS5-RX-2	Unnamed Road	Surface	Either Option
Underground Utilities Crossing	SS5-UUX-1	Welsh Water Main - 250mm Cast Iron Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-10	SPEN Electricity Line	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-11	Wales and West Utilities Gas Main - High Pressure (>7Bar)	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-12	Welsh Water Main - 500mm Ductile Iron Epoxy Lined Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-13	Abandoned Welsh Water Main - 500mm Glass Reinforced Plastic Pipe	Buried	No Crossing Works Required
Underground Utilities Crossing	SS5-UUX-14	Wales and West Utilities Gas Main - High Pressure (>7Bar) - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	SS5-UUX-15	Vodafone Telecoms Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	SS5-UUX-16	SPEN Electricity Line - Off Route Haul Road Crossing	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	SS5-UUX-17	Vodafone Telecoms Line	Buried	Off Route Haul Road Crossing
Underground Utilities Crossing	SS5-UUX-2	Zayo Fibre Telecoms	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-3	BT Telecoms Line	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-4	Abandoned Welsh Water Main - 100mm Cast Iron Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-5	Abandoned Welsh Water Main - 125mm SI (Cast Iron with additional silicon to prevent corrosion) Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-6	Wales and West Utilities Gas Main - High Pressure (>7Bar)	Buried	Either Option

Annex 3.1: Crossing Schedule

Obstacle Type	Obstacle ID	Obstacle Details	Overhead/ Surface/ Buried	Trenching or Trenchless
Underground Utilities Crossing	SS5-UUX-7	Welsh Water Main - 280mm High Performance Polyethylene Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-8	Abandoned Welsh Water Main - 500mm Glass Reinforced Plastic Pipe	Buried	Either Option
Underground Utilities Crossing	SS5-UUX-9	Welsh Water Main - 500mm Ductile Iron Epoxy Lined Pipe	Buried	Either Option





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