

GLOSSARY

Term	Meaning
AADT	Annual Average Daily Traffic (expressed in vehicles per day)
ABP	An Bord Pleanála
AFA	Area for Further Assessment
AONB	Areas of Outstanding Natural Beauty
Aquifer	A subsurface layer or layers of rock that store and transmit water in significant quantities.
At Grade Junction	Junction where roads meet at the same level.
Attenuation Pond	Pond used for the purpose of reducing the rate of run-off discharged to the receiving watercourses.
Base Year	Base Year (2014)
BCR	Benefit to Cost Ratio
BoCCI	Birds of Conservation Concern in Ireland
C ₆ H ₆	Benzene
CASP	Cork Area Strategic Plan
Catchment	An area of land contributing to a river, lake or other water body.
CBA	Cost-Benefit Analysis
CCC	Cork County Council
Cork CDP	Cork County Development Plan 2014-2020
CEF	Connecting Europe Facility
CFRAM Study	Catchment Flood Risk Assessment and Management Study
Ch.	Chainage
CIRIA	Construction Industry Research and Information Association

Term	Meaning
CMP	Construction Management Plan
CMRC	Coastal and Marine Resources Centre
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CPO	Compulsory Purchase Order
cSAC	Candidate Special Area of Conservation
CSO	Central Statistics Office
Cumulative Impacts	The addition of many small effects to create one larger, more significant, effects.
CWB	Coastal Water Body
DAHRRGA	Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs
DAU	Development Applications Unit
dB(A)	Unit used to measure the intensity of sound. The "A" denotes that levels were "A" weighted
DEFRA	Department for Environment Food & Rural Affairs
DEPER	Department of Public Enterprise and Reform
Design Year	Design Year (2035)
DMRB	Design Manual for Roads and Bridges
DMS	Demand Management Study
DTM	Digital Terrain Model
"Do-Nothing" Scenario	The environment as it would be in the future should the proposed road not be developed.
"Do-Something" Scenario	The environment should the proposed M28 Road Project be developed.
DTTAS	Department of Transport, Tourism and Sport

Term	Meaning
DVO	District Veterinary Office
Ecia	Ecological Impact Assessment
EIA	Environmental Impact Assessment
EIS	Environmental Impact Statement
EMCs	Even Mean Concentrations
EPA	Environmental Protection Agency
EQS	Environmental Quality Standards
FDI	Foreign Direct Investment
FRA	Flood Risk Assessment
FRS	Flood Relief Scheme
GEP	Good Ecological Potential
GES	Good Ecological Status
GHG	Greenhouse Gases
GNI	Gas Network Ireland
GPR	Groundwater Protection Response
GPR	Ground Penetrating Radar
Grade Separated	Junction where one road passes over another.
GSI	Geological Survey of Ireland
GWDTE	Ground Water Dependent Terrestrial Ecosystems
ha	One hectare is equal to 10,000 square meters
HAWRAT	Highways Agency Water Risk Assessment Tool
HEFS	High End Future Scenario which represents a more extreme potential future scenario.
HGV	Heavy Goods Vehicle
HMRC	Hydraulics and Maritime Research Centre
Horizontal Alignment	Direction and course of the roadway in plan.
HRA	Hot-Rolled Asphalt

Term	Meaning
Hz	Hertz
IFI	Inland Fisheries Ireland
IMERC	Irish Maritime and Energy Cluster Ireland
Imperceptible Impact	An impact capable of measurement but without noticeable consequences.
Indirect Impact	An impact which is caused by the interaction of impacts, or by associated or off-site projects.
IRSG	Irish Raptor Study Group
ITS	Intelligent Transport Systems
KERs	Key Ecological Receptors
km	Kilometres
kph	Kilometres Per Hour
L _A	Denotes, measurements were made using the A-weighting network. The A-weighting represents the response of the human ear to sound.
L _{A10,T}	The noise level exceeded for 10% of the measurement over a period of time (T). This is normally used as a measure of road traffic noise.
L _{A90,T}	The A-weighted noise level exceeded for 90% of the measurement over a period of time (T). This is normally used to indicate background noise.
L _{Aeq,T}	The continuous equivalent A-weighted sound pressure level. This is an “average” of the sound pressure level over a period of time (T).
L _{Amax,T}	Is the maximum A-weighted sound level measured during a period of time (T).
L _{Amin,T}	Is the minimum A-weighted sound level measured during a period of time (T).
Landscape Capacity	The capacity of a particular type of landscape to absorb change without unacceptable adverse

Term	Meaning
	effects on its character.
Landscape Character Area	Distinct types of landscape which are generic in character in that they may occur in different parts of the country, but wherever they are they share broadly similar combinations of geology, topography, drainage patterns, vegetation and historical land use and settlement pattern.
Landscape Fabric	Is the physical pattern of elements and features such as vegetation, landform and land use that combine to create landscape character.
Landscape Quality (or Condition)	Is based on judgements about the physical state of the landscape, and about its intactness, from visual, functional, and ecological perspectives.
Landscape Resource	The combination of elements that contribute to landscape context, character and value.
Landscape Value	The importance attached to a landscape (often as a basis for designation or recognition) that expresses national or local consensus, because of its quality, cultural associations, scenic or aesthetic characteristics.
LAP	Local Area Plan
LMA	Lands Made Available
LO	Liaison Officer
LOS	Level of Service for a road is typically defined in the US Highway Capacity Manual as a quality measure describing operational conditions within a traffic stream.
Luft	TA Luft Guidance Technical Instructions on Air Quality Control
LV	Low Voltage Electricity Cables

Term	Meaning
LVIA	Landscape and Visual Impact Assessment
M28	Proposed M28
Magnitude	Size, extent and duration of an impact.
mbgl	Metres below ground level
Mitigation Measures	Measures which would avoid, reduce, or remediate the impact.
Moderate Impact	An impact that alters the character of the environment in a manner that is consistent with existing and emerging trends
MRFS	Mid Range Future Scenario which represents a 'likely' future scenario.
MV	Medium Voltage Electricity Cables
N28	Existing N28 Cork to Ringaskiddy Road
NBDC	National Biodiversity Data Centre
NDP	National Development Plan
NHA	Natural Heritage Areas
NIAH	National Inventory of Architectural Heritage
NIS	Natura Impact Statement
NMCI	National Maritime College of Ireland
NMUs	Motorway Service Users
NO ₂	Nitrogen Dioxide
Not Significant Impact	An impact which causes noticeable changes in the character of the environment but without noticeable consequences.
NO _x	Nitrogen Oxides
NPF	National Planning Framework
NPP	National Ports Policy
NPWS	National Parks and Wildlife Service

Term	Meaning
NRA	National Roads Authority
NSL	Noise Sensitive Location
NSS	National Spatial Strategy
NTS	Non-Technical Summary
OD	Ordnance Datum
OPW	The Office of Public Works
OSi	Ordnance Survey Ireland
PAG	Project Appraisal Guidelines
PAHs	Polycyclic Aromatic Hydrocarbons
PM ₁₀	Particulate matter measuring 10 micrometers or less in diameter.
PM _{2.5}	Particulate matter measuring 2.5 micrometers or less in diameter.
Pb	Lead
PMGs	Project Management Guidelines
pNHA	Proposed Natural Heritage Areas
PRF	Potential Roost Features
Profound Impact	An impact which obliterates sensitive characteristics.
Protected Road	Protected Road as defined under the Roads Act
PVB	Present Value Benefits
RBMP	River Basin Management Plan
Residual Impacts	Residual impacts are the final impacts that occur after the proposed mitigation measures have been put into place, as planned.
RFC	Ratio of Flow to Capacity
RMP	Record of Monuments and Places
Ro-Ro	Roll-On Roll-Off

Term	Meaning
RPS	Record of Protected Structures
RRTs	Road Railway Terminals
RSA	Road Safety Authority
RW	Retaining Wall
SAC	Special Area of Conservation
SATURN Software	Simulation and Assignment of Traffic to Urban Road Networks Software
SCI	Special Conservation Interests
SDLAP	South Docks Local Area Plan 2008-2018
Sensitive Receptor	Physical or natural resource, special interest or viewer group that will experience an impact.
Sensitivity	Vulnerability of a sensitive receptor to change.
SEVESO	SEVESO Site
SFILT	Strategic Framework on Investment in Land Transport
SI	Site Investigation
Significant Impact	An impact which, by its character, magnitude, duration or intensity alters a sensitive aspect of the environment.
Slight Impact	An impact which causes noticeable changes in the character of the environment without affecting its sensitivities.
SLM	Specific Landscape Mitigation
SMR	Sites and Monuments Record
SO ₂	Sulphur Dioxide
SPA	Special Protection Area
SuDS	Sustainable Drainage System
Swallow Hole	A place where surface stream disappears underground in a limestone region.

Term	Meaning
TBT	Tributyltin
TEN-T	Trans-European Network-Transport
TII	Transport Infrastructure Ireland
TMA	Traffic Management Alternative
TWB	Transitional Water Body
UG	Underground Electricity Cables
V/C Ratio	Volume of Flow to Capacity Ratio
Vertical Alignment	Direction and course of the roadway in profile.
Very Significant Impact	An impact which, by its character, magnitude, duration or intensity significantly alters the majority of a sensitive aspect of the environment.
Visual Amenity	The value of a particular area or view in terms of what is seen.
Visual Character	When a viewer experiences the visual environment, it is not observed as one aspect at a time, but rather as an integrated whole. The viewer's visual understanding of an area is based on the visual character of visible features and aspects and the relationships between them. The visual character is descriptive and not evaluative.

Term	Meaning
Visual Effect	Is a change to an existing view as a result of development or the loss of particular landscape elements or features already present in the view.
Visual Quality	Although the interpretation of viewers' experience can have preferential and subjective components, there is generally clear public agreement that the visual resources of certain landscapes have high visual quality. The visual quality of a landscape will reflect the physical state of individual features or elements.
Visual Resources	The visual resources of the landscape are the stimuli upon which actual visual experience is based. They are a combination of visual character and visual quality.
VOC	Volatile Organic Compound
VP	Vantage Point
WFD	Water Framework Directive
WHO	World Health Organisation
WWTP	Waste Water Treatment Plan
ZoI	Zone of Influence
ZTV	Zone of Theoretical Visibility