

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

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DEPARTMENT ORDER)

SUBJECT: DPWH ENTERPRISE DATA GLOSSARY

NO. **114**)
Series of 2016)


In the interest of improving and ensuring data quality, the DPWH Enterprise Data Glossary has been published on the Department's Intranet website (<http://dpwhweb/DataGlossary/>). The Data Glossary contains definitive descriptions of common terms and data items used in major processes and applications in the Department.

In view of this, all Offices and personnel are hereby instructed to refer and use the terms and definitions prescribed in the Data Glossary when creating manuals, policies, reports, and applications. Further, existing documents and applications should be reviewed and revised accordingly to ensure consistency with the terms and definitions in the Data Glossary.

Additional terms or improvement to existing terms and definitions will be evaluated by the Data Administration Section, Business Innovation Division, Information Management Service.

The Data Glossary shall be updated at least once a year or when a new application gets developed and implemented in the Department.

This Order shall take effect immediately.


ROGELIO L. SINGSON
Secretary

4.5.1 ETC/RBC/NSP

Department of Public Works and Highways
Office of the Secretary



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DPWH ENTERPRISE DATA GLOSSARY

April 2016



GLOSSARY OF TERMS

Reference Number	Data Item / Term	Definition
1	Absence without Pay Alias Leave without Pay	Number of leave of absences taken without pay.
2	Abstract of Bids as Calculated	A summary of all bids as read, undergone detailed evaluation as to completeness, corrected for arithmetical errors and discrepancies, and ranked in accordance with the criteria provided in the DPWH Procurement Manual and RA 9184 and its IRR.
3	Abstract of Bids as Read	<p>For locally funded projects: a summary of all bids received, opened, undergone preliminary examination, and for those bids that passed the preliminary examination, read by the BAC in accordance with the DPWH Procurement Manual.</p> <p>For foreign assisted projects: a summary of all bids received, opened, and read by the BAC in accordance with the Procurement Guidelines of the Lending Institutions.</p>
4	Abstraction	Removal of groundwater.
5	Abutment	Structure at the two ends of a bridge used for transferring the loads from the bridge superstructure to the foundation bed and giving lateral support to the embankment.
6	Accountable Office	The specific Department/Office where the asset is booked-up.
7	Acoustic Feedback	Feedback of the output signal of an amplifying system on the input of the system depending on the difference in the intensity and phasing between the input and output signal.
8	Acoustic Tomography	A geophysical technique for imaging sub-surface structures from electrical resistivity measurements made at the surface, or by electrodes in one or more boreholes.
9	Active Earth Pressure	The horizontal stress exerted by a mass of soil on a retaining wall as the wall moves away from the soil.
10	Activity Alias Type of Work, Work Activity	A work process that contributes to the fulfillment of a program, sub-program or project.
11	Addendum Alias Bid Bulletin, Supplemental Bid Bulletin	A notice issued by the Procuring Entity to Prospective Bidders with respect to any clarifications or modifications in the Bidding Documents, e.g.



Reference Number	Data Item / Term	Definition
		specifications, eligibility requirements, procurement schedule, and other related matters.
12	Additional Contract Time	The period of time allowed the Contractor by the DPWH in addition to the stipulated Contract Time necessitated by a duly issued Extra Work or Change Order.
13	Additional Lane Width	A grouping of types of work which provide additional square meters to an existing lane which is less than the standard lane width.
14	Address	A designation of a specific place where a company or person may be communicated with, or where deliveries can be made.
15	Addressable Device	A fire alarm system component can be individually identified of its status or used to individually control other functions.
16	Addressable System	A fire alarm system consisting of an addressable fire alarm control panel and addressable devices that primarily gives the exact location of a fire.
17	Adjusted Original Contract Price	The increased or decreased price as agreed upon by the contracting parties and in pursuance of existing laws, decrees, rules and regulations governing adjustment or escalation of Contract Prices.
18	Adjustment	A change in the amount/entry previously recorded in order to correct a confirmed discrepancy.
19	Administrative Area	An area of jurisdiction of a level of government or a government organization.
20	Advance payment	Any payment out of the approved contract price made after issuance of Notice to Proceed and prior to execution of Works, Consulting Services or Goods, upon submission of a written request of the Contractors, Consultants or Suppliers, and financial guarantees as required in the Bidding Documents.
21	Advertisement	Publication in approved newspapers of general nationwide circulation, and posting in approved websites and other conspicuous place, of the Invitation to Bid for Infrastructure and Goods, Request for Expression of Interest for Consulting Services, Invitation for Bid for Foreign Assisted Projects, as required in the Procurement Guidelines.
22	Aerial Photogrammetry	A method of surveying involving the measurement and interpretation of features directly from aerial photographs.
23	Aerial Photograph	Any photograph taken from an airborne vehicle (aircraft, drones, balloons, satellites, and so forth).



Reference Number	Data Item / Term	Definition
24	Aerial Survey	A method of collecting geomatics or other imagery by using airplanes, helicopters, UAVs, balloons or other aerial methods.
25	Affected Structure	A building/facility or other improvement within the right of way that is determined to be overlapped or impacted by an infrastructure project.
26	Afflux	The upstream rise of water level above the normal surface of water in a channel caused by an obstruction in the waterway, such as a bridge or weir or by regulation. The increased amount of water which occurs upstream from a structure (dam) or obstruction in a stream channel, due to the existence of such obstruction and the raising of the water level to considerable distance upstream.
27	Agency	Any of the various units of the national/local government, e.g. department, bureau, authority, office, instrumentality or GOCC and LGU.
28	Agency Performance Indicator	An index used as a measure of success to achieve outcomes of a strategy.
29	Agency Plan	A scheme/strategy to achieve the goals/objectives of an organization.
30	Agency Procurement Compliance and Performance Indicator (APCPI)	A methodology to assess the performance of a government agency's procurement activities and to compare its effectiveness against that of the national public procurement systems and international best practices and standards using baseline standards and indicators as approved by the GPPB.
31	Aggradation	Progressive rising of the riverbed elevation as a result of sediment accumulation due to high sediment yield.
32	Airport	Any area of land or water which is used or intended for use, for landing and take-off of aircraft, and an appurtenant areas which are used or intended for use for airport facilities or right-of-way, together with all airport buildings and facilities located thereon.
33	Airport Elevation	The elevation of the highest point of the land area.
34	Alarm Indicator	A device which by visual means indicates the zone which an alarm has originated.
35	Alarm Zone	A part or subdivision of a protected building or premises.
36	Allotment	An authorization issued by the Budget agency (the Department of Budget and Management – DBM), which allows an organization to incur obligations within a specified amount for a specified purpose (within a legislative appropriation).



Reference Number	Data Item / Term	Definition
37	Allowable Bearing Capacity	The bearing pressure that can be allowed on a foundation soil, usually to limit settlements.
38	Allowable Maximum Building Footprint	(AMBF): the resultant area established at grade level upon which the proposed building/structure may be erected.
39	Alluvial	Soil or earth material which has been deposited by running water.
40	Alluvial Fan Alias Gravel Wash	A fan shaped deposit formed where a stream emerges from an entrenched valley into a plain or flat.
41	Alluvial Segment	A river segment wherein the bed materials are generally made up of sand or clay washed down together by the flowing of water from the upstream portion (mountain area) where a river system originates.
42	Alluvial Stream	Stream flowing mainly in self-transported alluvial deposits.
43	Amendment	Any modification to a perfected Contract, mutually agreed upon by both contracting parties subject to the approval of higher authorities.
44	American Association of State Highway and Transportation Officials Soil Classification	A system of soil classification based on grain size, liquid limit and plasticity of soils and is usually used for highway design and construction.
45	Angle of Internal Friction	The angle on the graph of the shear stress and normal effective stresses at which shear failure occurs for a given soil.
46	Anisotropic	A mass of soil having different properties in different directions. Primarily refers to permeability or stress-strain characteristics.
47	Anisotropy	Having different physical properties when measured in different directions.
48	Annual Average Daily Traffic	The number of vehicles by type expressed as the average traffic per day for a given road section in a given year, adjusted using seasonal factors.
49	Annual Flood Loss	The total value of damages caused by floods over a twelve month period.
50	Annual Maximum Flood Discharge	The highest momentary peak discharge in a year.
51	Annual Procurement Plan (APP)	A document showing the consolidated list of Infrastructure Projects, Consulting Services, and Goods to be procured by the Procuring Entity annually which serves as basis for all procurements.



Reference Number	Data Item / Term	Definition
52	Annual Risk of Exceedance	The chance or probability of a natural hazard event (usually a rainfall or flooding event) occurring annually and is usually expressed as a percentage.
53	Annunciator	A fire alarm system component containing one or more indicator lamps or alphanumeric displays in which each indication provides status information.
54	Appropriation Alias General Appropriations Act (GAA)	A budget approved by the Legislature and the President for a particular purpose or use; including for example, funding for a specific Program.
55	Approved Agency Estimate Alias Estimated Contract Cost	The cost estimate prepared by the procuring entity and approved by the foreign government/foreign or international financing institution as specified in the Treaty or International or Executive Agreement.
56	Approved Budget for the Contract	The budget for the contract duly approved by the Head of the Procuring Entity, as provided for in the General Appropriations Act (GAA), continuing, and automatic appropriations, in the case of national government agencies (NGAs).
57	Apron	A floor or lining of concrete, timber, or other resistant material at the toe of a dam, bottom of a spillway, chute, etc. to protect the surface from erosion from falling water or turbulent flow.
58	Aquifers	A stratum of soil with relatively high permeability; a water-bearing stratum of rock or soil.
59	Archipelago	A chain, cluster or collection of islands.
60	Architectonics	The science part of architecture, unifying the architectural, structural and utility plans/designs of a building/structure.
61	Architectural Design	A development or redevelopment concept that focuses on the components or elements of a building, structure or system and unifies them into a coherent and functional whole, utilizing the principles of strength, harmony and aesthetics in arriving at a solution to a spatial problem through the deft application of the arts and sciences, according to a particular approach, to achieve the development/redevelopment objective/s under the given constraints/limitations.
62	Area	A bounded, continuous, two-dimensional (2-D) surface.
63	Area Need	A subtype of Need that is related to a specific Area (Location).
64	Arterial Highway	A general term denoting a highway primarily for thorough traffic, usually on continuous route.



Reference Number	Data Item / Term	Definition
65	Artesian	A condition that exists when the water table piezometric surface lies above the ground level.
66	Artificial Submerged Rees	An alternative method of shoreline stabilization and beach erosion control, using a man-made underwater structure to mitigate the wave induced erosion.
67	As-Built Plan	An entirely new set of drawings accurately depicting each and every part of the structures and facilities as actually built.
68	Asset Preservation	Approach to maintenance that sustains the level of physical quality, in order to keep the infrastructure or other asset in a maintainable condition, i.e., only requiring Routine Maintenance. It includes Preventive Maintenance, Rehabilitation and Reconstruction.
69	Assignment	The allocation of responsibility to a person, group or unit.
70	As-Staked Plan	A new set of plans depicting the actual field condition and requirements derived from the "As-Staked" survey.
71	At-Grade Intersection	The crossing or junction of two or more highways at a common level; includes the whole of the pavements provided for the accommodation of through cross and turning movements.
72	Attention Signal Alias Preliminary Noise, Instruction Signal	Tone or ringing-style short signal before an announcement.
73	Atterberg Limits	The water content of a soil mass corresponding to the transition between a solid, semi-solid, plastic solid or liquid.
74	Auger Borings	A technique for forming a bore hole through the ground, from a drive shaft to a reception shaft, by means of a rotating cutting head.
75	Augmentation	Use of savings by authorized constitutional officers to cover deficient items of appropriations in any existing Program, Activity or Project within their respective offices.
76	Average Daily Traffic	The traffic data at each survey site as a result of the manual and automatic traffic count survey and with the application of the daily and weekly traffic volume variation factors.
77	Average Riverbed	The average riverbed profile in a cross section survey which is set in order to establish the elevation of the longitudinal profile and to compute the area of river cross section.



Reference Number	Data Item / Term	Definition
78	Avulsion	A sudden cutting off of land by floods, currents, or change in course of a body of water.
79	Award Alias Notice of Award	The written notice from the procuring entity to the winning bidder accepting its bid or proposal.
80	Axial Strain	Direct strain measured along an axis of a triaxial test sample.
81	Axial Stress	Total or effective stress (both confining and vertical stresses combined) acting along an axis of a triaxial test sample.
82	Axle Load Section	A grouping of Traffic Sections where the average equivalent standard axle load (ESAL) by vehicle type can be considered of a uniform pattern throughout the lengths of the Traffic Sections.
83	Back Taxes	Taxes on property that are owed to a government entity, but remain unpaid.
84	Back-sapping	Loss of ground, generally on slope, as a result of loss of support in the area below.
85	Backwater	The rise of water level that occurs immediately upstream from a structure (e.g. dam) or obstructions in a river to a considerable distance brought about by the presence of structure.
86	Balance Sediment Discharge	The sediment runoff shall be in a state of equilibrium (balance) from upstream to downstream section of the river.
87	Bar	An alluvial deposit at the mouth of a stream or at any point in the stream itself which causes an obstruction of flow and to navigation, in the case of a bay or inlet.
88	Bare Slope Land	Hillside slopes on which the vegetation has entirely or partly vanished or declined.
89	Barrage	A weir equipped with series of sluice gates to regulate the water elevation at its upstream side.
90	Barriers	Highway appurtenances designed to prevent vehicular penetration from the travel way to areas behind the barrier such as to minimize damage to impacting vehicles and their occupants, and to reduce the risk of injuries to pedestrians and workers.
91	Base Course	The layer of specified material of designed thickness placed on a subbase or subgrade to support a surface course.
92	Base Map	Map on which information may be placed for purposes of comparison or geographical correlation.
93	Basic Salary	The fixed amount of money paid to an employee in return for work performed.



Reference Number	Data Item / Term	Definition
94	Bathymetry	The art or science of determining ocean depths
95	Battered Pile Alias Spur Pile, Raking Pile	A pile driven at an inclination to resist force which is not vertical.
96	Bearing Capacity	The ability of the underlying soil to support the foundation loads without shear failure.
97	Bed Armoring	The coarse surface layers on a bed layer.
98	Bed Load	Material moving on or near the stream bed by rolling, sliding, and sometimes making brief excursions into the flow of new diameters above the bed.
99	Bed Load Section	The section where the sediment discharge is carried out in a state of individual transport by river flow, where the slope of streambed is less than 1/30.
100	Bed Material	The material of which the riverbed is composed.
101	Bedrock	Strong rock underlying surface deposits of soil and weathered rock.
102	Benchmark	Point whose elevation relative to a given datum is known; used as a point of reference in determining other elevations.
103	Berm	A horizontal strip or shelf built into an embankment or cut, to break the continuity of an otherwise long slope.
104	Bid Alias Proposal, Tender	A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the Bidding Documents.
105	Bid Amount Alias Bid Price	The price offered by the Bidder to undertake or deliver the Works/ Services and Goods as required in the Bidding Documents.
106	Bid Bond Alias Bid Security	A financial instrument in the form of cash, certified check, manager's check, or bank draft/guarantee against a bank, or surety bond, callable on demand, issued by a surety or insurance company, or letter of credit issued by a commercial bank, or a Bid Security Declaration, as a guarantee that the successful Bidder shall, within a prescribed period, enter into contract with the Procuring Entity.
107	Bid Bulletin Alias Supplemental Bid Bulletin, Addendum	A notice issued by the Procuring Entity to Prospective Bidders with respect to any clarifications or modifications in the Bidding Documents, e.g. specifications, eligibility requirements, procurement schedule, and other related matters.
108	Bid Documents Alias Tender Documents	Collectively, the invitation to Bid, Instructions to Bidders, Form of Contract Agreement, Conditions of Contract, Drawings/Plans, Specifications and Form of Bid and the required annexes, including Addenda.



Reference Number	Data Item / Term	Definition
109	Bid Evaluation	The process of determining the Bidder with the Lowest Calculated Bid (LCB) in the case of Infrastructure or Goods or the Highest Rated Bid (HRB) in the case of Consulting Services.
110	Bid Opening Alias Opening of Bids	The occasion/event where the bids are opened at the place, date and time specified in the advertisement.
111	Bid Price Alias Bid Amount	The price offered by the Bidder to undertake or deliver the Works/ Services and Goods as required in the Bidding Documents.
112	Bid Schedule Alias Bill of Quantities	The tabulated form included in the Bidding Documents containing (a) pay item numbers and descriptions, estimated quantities, and units of measure provided by the Procuring Entity, and (b) unfilled columns for corresponding unit bid prices and amounts to be quoted by the bidder.
113	Bid Security Alias Bid Bond	A financial instrument in the form of cash, certified check, manager's check, or bank draft/guarantee against a bank, or surety bond, callable on demand, issued by a surety or insurance company, or letter of credit issued by a commercial bank, or a Bid Security Declaration, as a guarantee that the successful Bidder shall, within a prescribed period, enter into contract with the Procuring Entity.
114	Bid Validity	A reasonable period when the Bids are effective as determined by the Head of the Procuring Entity and indicated in the Bidding Documents, which in no case shall exceed one hundred twenty (120) calendar days from the date of opening of bids.
115	Bidder	A contractor, manufacturer, supplier, distributor and/or consultant competing for the award of a contract.
116	Bidding Documents	The documents issued by the procuring entity as the basis for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the infrastructure projects, goods and/or consulting services required by the procuring entity.
117	Bids and Award Committee Alias Prequalification Bid and Award Committee	Committee of the Procuring Entity which is responsible for the conduct of eligibility screening of applicants, bidding and recommending award of Contracts.
118	Bids and Awards Committee (BAC) Resolution	A written recommendation of the BAC pertaining to a procurement process or aspect subject to the approval of the HOPE.
119	Bill of Materials	A list detailing the substances and products to be used in a project.



Reference Number	Data Item / Term	Definition
120	Bill of Quantities Alias Bid Schedule	The tabulated form included in the Bidding Documents containing (a) pay item numbers and descriptions, estimated quantities, and units of measure provided by the Procuring Entity, and (b) unfilled columns for corresponding unit bid prices and amounts to be quoted by the bidder.
121	Binder Course	A layer that may be placed between a base course and an asphalt surface course.
122	Bioengineering	The use of mechanical elements in combination with biological elements (e.g. plants) particularly for control of erosion and prevention of slope failures.
123	Biowalls Alias Green Wall, Ecowalls, Vertical Gardens	A wall or similar vertical support/element that may be either free-standing or attached to an existing wall, and that may be partially, substantially or fully covered with vegetative cover.
124	BIR Zonal Value	An official assessment of property value based on location, for tax purposes.
125	Blacklisting	An administrative penalty disqualifying a person or an entity from participating in any government procurement for a given period.
126	Bogs Alias Wetlands, Swamp, Marshes	Those areas that are inundated and saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.
127	Bollard Alias Flexible Post	Device used in place of rigid barrier posts or traffic cones with a minimum of 450mm by 50mm wide with alternate bands of contrasting color as seen by approaching traffic for delineation of traffic.
128	Bore Hole	A hole drilled in the ground to obtain samples for subsoil investigation.
129	Borrow Materials	Filling materials acquired from a Borrow Site.
130	Borrow Site	An excavation source outside the project area that is used to supply soils for earthwork construction (i.e. gravel pit).
131	Bottom Lateral Bracing	A bridge structural element which lies on the plane of the bottom chord and provides lateral stability and resistance.
132	Boulder	A rock fragment, usually bounded by weather or abrasion, with an average dimension of 25.6 cm or more.
133	Buoyant Force	The upward force exerted by a fluid that resists the weight of an immersed floating body which is equal to the weight of the fluid displaced.



Reference Number	Data Item / Term	Definition
134	Brand Name	A trade name or product name, which identifies a product as having been made by a particular manufacturer.
135	Breakline	A line in a Triangulated Irregular Network (TIN) that represents a distinct interruption in the slope of a surface, such as a ridge, road, or stream. No triangle in a TIN may cross a breakline (in other words, breaklines are enforced as triangle edges). Z-values along a breakline can be constant or variable.
136	Bridge	A structure carrying a road over a road, waterway or other feature, with a clear span over 3.0 meters along the centerline between the inside faces of supports. A bridge may have an independent deck supported on separate piers and abutments, or may have a deck constructed integral with supports.
137	Bridge Bearing	Component of a bridge which provides resting surface between the superstructure and piers and abutments to allow controlled movement of the superstructure reducing the stresses.
138	Bridge Seat	The upper part of a bridge abutment or pier on which the ends of a superstructure rest.
139	Bucket Capacity	The maximum volume of liquid that be contained in the bucket when filled to the level of the cutting edge.
140	Budget	An amount of money available for spending that is based on a plan for how it will be spent, subject to GAA budget authority.
141	Budget Agency	The government organization charged to review and approve financial forecasts; and to prepare the national budget (i.e. DBM).
142	Budget Forecast	An estimate and projection of financial resources and expenditures for future years.
143	Building	A roofed and walled structure built for permanent use.
144	Bulk Density	The total mass of water and soil particles contained in a unit volume of soil.
145	Bulking Factor	A factor representing the increase in volume of dredged material relative to its volume before dredging.
146	Cadastral Map	A map diagram showing land subdivision, including individual land parcel-lots.
147	Caisson	A box-like watertight structure that is used to install structures that extends below water level.



Reference Number	Data Item / Term	Definition
148	Calculated Bid Alias Corrected Bid	A bid which is rectified for arithmetical errors, discrepancies, and discounts, in accordance with the provisions of the Bidding Documents and IRR of RA 9184.
149	Calculated Bid Price	The price of a bid, after taking into account arithmetical corrections to consider computational errors, omissions and discounts, if allowed, in accordance with the criteria indicated in the Bidding Documents.
150	Caldera	A very large crater associated with a volcano and often formed by the collapse of an underground magma chamber.
151	Calendar Day	A period of twenty four (24) hours extended from midnight to midnight and includes all days of the calendar without exception.
152	California Bearing Ratio	A laboratory test that is used to determine the suitability of a soil for use as a subbase in a pavement section.
153	Camber	Curvature deformation of a member or part as of a deck, a beam, girder intentionally induced during construction or fabrication to compensate for the deflection due to dead load, superimposed load, creep and shrinkage and includes road profile consideration.
154	Cantilever Span	A rigid structural member projecting from a support and unsupported at the other end so that the upper part of the member is in tension and the lower part is in compression.
155	Capital Dredging	Dredging which involves the creation of new or improved facilities such as harbor basin, a deeper navigation channel, a lake, or an area of reclaimed land for industrial, residential or recreational facilities.
156	Capital Gains Tax	A tax on appreciation in value of land in the time between purchase and sale. Amount of Capital Gains Tax is equal to 6% of the value of land and improvements.
157	Capital Outlay Project Alias Capital Project, Civil Works, Works, Infrastructure Project	Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/ power and electrification facilities, national buildings, school buildings, hospital buildings and other related construction project of the government. To be classified as a capital outlay project, the works must extend the life of the asset by more than 1 year.



Reference Number	Data Item / Term	Definition
158	Capital Project Alias Capital Outlay Project, Infrastructure Project, Civil Works, Works	Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/ power and electrification facilities, national buildings, school buildings, hospital buildings and other related construction project of the government. To be classified as a capital outlay project, the works must extend the life of the asset by more than 1 year.
159	Capping	The use of clean dredged material as a cover of contaminated dredged material disposed of in open water as a means of isolating the contaminated material from the marine environment.
160	Career Service	A designation indicating (1) entrance based on merit and fitness to be determined as far as practicable by competitive examination, or based on highly technical qualifications; (2) opportunity for advancement to higher career positions; and (3) security of tenure.
161	Carriageway	That part of the highway constructed for use by vehicular traffic.
162	Catchment Area Alias Catchment Basin, Watershed, Drainage Basin, River Basin	The area from which a lake, stream or waterway receives surface water which originates as precipitation.
163	Catchment Basin Alias Catchment Area, Watershed, Drainage Basin, River Basin	The area from which a lake, stream or waterway receives surface water which originates as precipitation.
164	Causeway	A raised embankment (road, railway or dike) across wet ground or water (any pipe or box culverts or bridges in the embankment are recorded separately).
165	Ceiling for Bid Price	The Approved Budget for the Contract is the upper limit for Bids. Bids that exceed this limit will be disqualified from the bid.
166	Certificate of Acceptance	A document issued after the one-year warranty period (liability period) and after all defects and failures have been corrected.
167	Certificate of Deposit	An official receipt for funds placed in a private account as compensation for acquisition of land.



Reference Number	Data Item / Term	Definition
168	Certificate of Land Ownership Award	An official document issued by the government that grants property rights to land previously owned by the government.
169	Certificate of Non-Coverage	A formal document assuring that a project does not fall under the Philippine EIS System, and thus does not require an ECC.
170	Chainage	A length measured from a reference point. Usually measured in meters.
171	Channel	A drainage feature to allow runoff of surface water from a road carriageway. It usually runs along the edge of a paved carriageway, and is adjacent to, or in place of a curb.
172	Channelized Intersection	An at-grade Intersection in which there is division or regulation of conflicting traffic movements into definite paths of travel by the use of pavement markings, raised Islands or other suitable means to facilitate the safe and orderly movement of vehicles and pedestrians.
173	Check Alias Demand Draft	A negotiable instrument to transfer payments.
174	Chord	In a truss, the upper or the lower longitudinal member extending the full length of the superstructure.
175	Civil Court Case	A legal proceeding by action or suit held in a court dealing with private rights and remedies (civil law).
176	Civil Status Alias Marital Status	The employee's marital state i.e. single, married, divorced, separated, widowed.
177	Civil Works Alias Works, Infrastructure Project, Capital Outlay Project, Capital Project	Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/ power and electrification facilities, national buildings, school buildings, hospital buildings and other related construction project of the government. To be classified as a capital outlay project, the works must extend the life of the asset by more than 1 year.
178	Civil Works Contract Alias Construction Project	A binding agreement between the Agency and a Contractor or consultant and the specific plan or design to complete terms identified in the Contract.
179	Claim	A request or demand for payment for services rendered or goods provided.
180	Clast	Fragment of pre-existing rocks produced by the process of weathering and erosion.



Reference Number	Data Item / Term	Definition
181	Clay	A clastic mineral particle of any composition that has a grain size smaller than 1/256 (0.00391) mm.
182	Clearway	A defined rectangular area on the ground at the end of a runway in the direction of the take-off and under the control of the airport owner or operator, selected or prepared as suitable area over which an aircraft may make a portion of its initial climb to specified height.
183	Climate Change	The statistical distribution of weather patterns over periods of time that range from decades to millions of years.
184	Closed Circuit Television	A video system in which signals are not publicly distributed and monitored for surveillance, security and monitoring purposes.
185	Closed End Abutment	A cantilever abutment extending from the grade line of the road below the bridge to support the bridge seat overhead.
186	Coarse-grained Soils	Soils with more than 50% by weight of grains retained on the number 200 sieve (0.075 mm).
187	Cohesionless Soils	Granular soils (sand and gravel type) with values of cohesion close to zero.
188	Cohesive Soils	Clay type soils with angles of internal friction close to zero.
189	Collection	Income or revenue received by the Department, on behalf of the government.
190	Collimation Error	The angle between the line of collimation (line of sight) of a telescope and its collimation axis.
191	Collusion Alias Collusive Practice	A scheme or arrangement between two or more Bidders, with or without the knowledge of the Procuring Entity, designed to establish Bid prices at artificial, non-competitive levels.
192	Collusive Practice Alias Collusion	A scheme or arrangement between two or more Bidders, with or without the knowledge of the Procuring Entity, designed to establish Bid prices at artificial, non-competitive levels.
193	Comment	Expression of an opinion, or description of an experience with a situation or condition; as for example, user remarks made to a Help Desk.
194	Common Material	Suitable material with exception of rock fill.
195	Common-Use Supplies	Goods, materials, or equipment used in the day to day operations of procuring entities in the performance of their functions.
196	Community Land Use Plan	An official designation of specific types of activity and coverage on a land surface area.



Reference Number	Data Item / Term	Definition
197	Compensation	Pay associated with a position, including salary, deductions and benefits.
198	Compensation Package	A set of payments or considerations given to a PAP in order to provide fair value for improvements acquired.
199	Competitive Bidding Alias Public Bidding	A method of procurement which is open to participation by any interested party and which consists of the following processes: advertisement, pre-bid conference, eligibility screening of prospective bidders, receipt and opening of bids, evaluation of bids, post-qualification, and award of contract.
200	Completion of the Work by Administration	The taking over by the Government of contract project for causes specified in Clause 97: Rescission of the Contract of Volume I in order to complete the same work by its own administrative and construction staff, together with such day labor as may be necessary.
201	Composite Girders	The structures composed of steel girders and reinforced concrete slabs connected firmly to the top flanges of the steel girders with appropriate shear connectors and thereby the steel girders and concrete slabs performed together as one body in carrying loads.
202	Compound Cross Section	A river cross sectional form which is composed of low-water and high water channels. This section is usually applied for large rivers wherein the ratio of the design flood level with the normal water level is relatively large.
203	Compression	When a body is subjected to a force or forces acting towards it causing it to squeeze, shorten or crush.
204	Concave Bend Alias Outer Bend, Direct Water Attack, Flow Attack Zone	A curvature and/or a meander stretch of a river wherein high velocity usually occurs resulting to heavy scouring and forming a drift stream.
205	Concrete	A mixture of cement, fine aggregate, coarse aggregate and water.
206	Cone Penetration Test	A penetration test in which a cone that has a 60° point is pushed into the ground at a continuous rate. Resistance is measured by correlating the depth penetrated with the force applied.
207	Conflict of Interest	A situation in which a person or organization is involved in multiple interests, financial interest, or otherwise, one of which could possibly corrupt the motivation of the individual or organization.
208	Congressional District Alias Legislative District	Electoral constituency pertaining to a member of the House of Representatives.



Reference Number	Data Item / Term	Definition
209	Construction	The process of building infrastructure, including but not limited to new construction, improvement, upgrading, and rehabilitation.
210	Construction Equipment	All machinery and equipment together with the necessary supplies for operation, upkeep and maintenance, and also tools and apparatus necessary for proper construction and acceptable completion of the Work.
211	Construction Plant	All equipment, facilities, supplies and other incidentals required for execution and completion of the Works exclusive of materials or other things intended to form or forming part of the Permanent Works.
212	Construction Project Alias Civil Works Contract	A binding agreement between the Agency and a Contractor or consultant and the specific plan or design to complete terms identified in the Contract.
213	Construction Schedule for Works Alias Implementation Schedule	Time table showing the order in which the various activities of a project are to be carried out.
214	Construction Stakes	A mark on the ground to limit the designated boundaries, elevation, sites or claims in particular part on the construction area.
215	Consultancy	A Contract specific to services providing expert advice within a particular discipline or field.
216	Consulting Services	Services for infrastructure projects and other types of projects or activities requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the agency.
217	Consumable	Readily useable and depletable stores or supply.
218	Contingency	In IROW funding, an estimated allowance for the cost of unknown or changes, that allows for escalation and estimating error.
219	Continuous Span	A rigid span extending over three or more supports that bending moment is transmitted from one segment to the other.
220	Contour Alias Contour Line	A line or surface at all points with equal elevation on the ground.
221	Contour Line Alias Contour	A line or surface at all points with equal elevation on the ground.
222	Contract	An enforceable agreement between two or more participants or persons.
223	Contract Authority	Persons properly empowered to perform specified duties associated with the Contract



Reference Number	Data Item / Term	Definition
224	Contract Completion	100% physical and financial accomplishment of the works, consulting services, or goods as per contract.
225	Contract Coordination Meeting	A meeting held between the Department and the Contractor to review project progress and calibrated action status, synchronize scheduled activities, resolve issues, and identify any necessary calibrated activities based on slippage.
226	Contract Cost Alias Contract Price	Total amount of money to be paid to the Contractor/Consultant/Supplier in consideration of its contractual obligations as stated in the original Contract Agreement or as subsequently revised through approved variations order/s.
227	Contract Description	Name of the Contract as stated in the Contract Agreement
228	Contract Duration	The specified time period for the completion of contracts such as calendar days for civil works.
229	Contract Event	Certificates, notices or other documents communicating information relevant to a contract between the contractor and project administration personnel.
230	Contract Expiry Date	Date of finished contract as stated in the contract agreement including time extension/suspension.
231	Contract ID	Unique identifier for the contract which is created during advertisement of a project, sourced from the Civil Works Registry
232	Contract Implementation	A process of undertaking a project or contract in accordance with the contract documents.
233	Contract Price Alias Contract Cost	Total amount of money to be paid to the Contractor/Consultant/Supplier in consideration of its contractual obligations as stated in the original Contract Agreement or as subsequently revised through approved variations order/s.
234	Contract Schedule Baseline	A fixed implementation plan used in measuring Contract progress and performance, which may not be changed
235	Contract Start Date	The contract effectivity date as provided in the Notice to Proceed by the Procuring Entity
236	Contract Time	The stipulated period of time within which the Contractor shall complete the Contract Works including time extension duly granted by the Government either due to force majeure, Extra Work or Change Orders and Supplemental Agreement.



Reference Number	Data Item / Term	Definition
237	Contract Time Extension	A written authority issued by the implementing office granting the contractor additional time beyond the approved completion date in order to carry out additional work or on account of other special circumstances that warrant such additional contract time.
238	Contract Time Suspension	The suspension of the running of the contract time upon request by the Contractor or at the instance of the Government due to valid reasons.
239	Contract Type	The specific kind of contract, such as Works, Consulting Services, or Goods.
240	Contracting Officer	The Officer duly authorized to sign the Contract in behalf of the Republic of the Philippines.
241	Contractor	The person or persons, firm or company whose Bid has been accepted by the Government.
242	Contractor Work Activity	Actual measurable amount of work performed by the Contractor specific to the contract pay-items.
243	Contractor, Foreign	A citizen of a foreign country or an entity where Filipino ownership or interest is less than seventy-five percent (75%) offering infrastructure related services other than consulting services.
244	Contractor, Local	A Filipino citizen or sole proprietorship; or partnership duly organized under the laws of the Philippines and of which at least seventy-five percent (75%) of the interest belong to the citizens of the Philippines; or a corporation duly organized under the laws of the Philippines, and of which at least seventy-five percent (75%) of the outstanding capital stock belongs to citizens of the Philippines, duly licensed under Philippine laws to undertake infrastructure activities in the Philippines.
245	Contractor's Confidential Qualification Statement	Attested statement covering a Bidder's business and technical organization available for the contemplated work, including his financial resources, itemized list of equipment and his public works, highways, bridge and/or airport construction experience, together with his technical staff experience for consideration in the light of the requirements of the project to be bid upon.
246	Control Diagram	A diagram showing coordinate locations for all searched for, found, and survey monuments.
247	Control Network	A set of reference-points of known geospatial coordinates for use in surveys.



Reference Number	Data Item / Term	Definition
248	Control Point	In a river, the place or location of observation point where the planned discharge is observed and fixed.
249	Control Surveying	The determination of the precise position of a number of stations which are distributed over a large area.
250	Convex Bend Alias Inner Bend	A curvature and/or a meander stretch of a river wherein low velocity or sometimes no flow is observed. This is the part of the river where sediment accumulation is formed. Also known as dead water zone.
251	Corrected Bid Alias Calculated Bid	A bid which is rectified for arithmetical errors, discrepancies, and discounts, in accordance with the provisions of the Bidding Documents and IRR of RA 9184.
252	Correspondence	An official communication by letter between participants.
253	Corrosion	A chemical change in which metal converts from the elementary to the combined condition or more stable oxide.
254	Cost Estimate	The approximation of the sum of money required to implement a program, activity, or project.
255	Cost Estimate for Improvements	Estimated Replacement value of an improvement as based on formula.
256	Cost Estimate for Land (Current)	A calculation based on the Market/BIR Zonal Valuation of land at the time of the Project.
257	Cost Parameter	Generic or normative rates based on historical expenditures and future trends.
258	Counterfort	A buttress, usually in a wall.
259	Cover Plates	Plates welded or riveted to the top and/or bottom flanges of the girder to increase the load carrying capacity.
260	Creep	A slow or gradual movement, applied to soil and superficial accumulations moving under gravity.
261	Crest Opening	Located at the center of the existing river course and is designed considering the upstream and downstream topography of Sabo dam and its geological features.
262	Crest Wing	Part of dam wherein the thickness should be equal and less than that of the crest opening in principle.
263	Crop	A ground cover plant that is grown and harvested for profit or subsistence.
264	Cross Section Alias Cross Section Plan	View generated by slicing an object at an angle perpendicular to its longer axis.
265	Cross Section Plan Alias Cross Section	View generated by slicing an object at an angle perpendicular to its longer axis.



Reference Number	Data Item / Term	Definition
266	Cross Sectional Position	Location of an object or feature as measured on an axis that is perpendicular to the centerline of a highway. The location is expressed relative to the centerline.
267	Culvert	A structure (mostly pipe or box culvert) under a road, railway or embankment, whether of single or multiple barrel construction, generally with a width of less than five (5.0) meters per opening measured between inside wall faces.
268	Custodial Funds	Receipts or cash received by any government agency from either a private source or another government agency for the fulfillment of a specific purpose.
269	Cutoff	A wall or diaphragm of concrete or steel, or a trench filled with puddled clay or impervious earth.
270	Cut-Off Channel	A channel connecting the beginning and the end of a meandering portion of a stream.
271	Date Completed	Date the project is 100% physically accomplished as certified by the Inspectorate Team on their final Inspection Report for Completion
272	Date Hired	The date an employee was appointed to a job position.
273	Date of Acceptance Report by the Inspectorate Team	Date when the project was inspected by the Inspectorate Team for Acceptance after the defects liability warranty period.
274	Date of Issuance of Certificate of Acceptance	Date the project was issued final acceptance by the Head of Office.
275	Date of Issuance of Certificate of Completion	Date the project was issued Certificate of Completion by the Head of Office.
276	Datum	Agreed standard point of stated elevation denoted by a permanent bench mark on solid immovable structure, from which elevations are measured or to which they are referred.
277	Day Labor	Labor performed as a daily task or labor done and paid for by the day.
278	Daywork	The amount of work during the day prescribed or required on a given job or the legal amount of work in terms of hours as governed by statute or by government.
279	Dead Load	An inert, inactive load such as the weight of the members, the supported structure and permanent attachment or accessories in bridges.
280	Debris	Any uprooted trees and other materials carried by the water in the creek or river.



Reference Number	Data Item / Term	Definition
281	Debris Flow Area	The area where the runoff of sediment is carried out in a state of massive transportation, where the slope is equal to or greater than 1/30.
282	Debris Flow Control Dam	A dam which is constructed for prevention and elimination of debris flow.
283	Deed	A contract specific to acquisition, transfer, or purchase of a land parcel.
284	Deed of Absolute Sale	A contract specific to acquisition, transfer, or purchase of a land lot.
285	Deed of Donation	A Deed providing for conveyance of property without compensation in return.
286	Deepest Riverbed	The lowest elevation in a river section which should be taken into account during cross-sectional survey as basis for deciding foundation depth of flood control structure - particularly revetment.
287	Degradation	Progressive lowering of riverbed elevation at the downstream caused by the insufficient supply of sediment from the upstream or by scouring of the riverbed due to high water discharge.
288	Delineators	Light retro-reflecting devices mounted at the side of the roadway, in series, to indicate the roadway alignment.
289	Delta	An area of low, flat land, sometimes shaped approximately like a triangle, where a river divides into several smaller rivers before flowing into the sea.
290	Demand Draft Alias Check	A negotiable instrument to transfer payments.
291	Demolition	The dismantling of all buildings or structures within premises subject to clearing, by a legally authorized government agency.
292	Density	The ratio of the total mass to the total volume of material.
293	Density Index Alias Relative Density	The density of a granular soil relative to the minimum and maximum densities achieved for that particular soil.
294	Denuded Land	Land that is bare as a result of hillside collapse.
295	Department	Primary subdivision of the Executive Branch responsible for the overall management of a sector or a permanent national concern with nationwide or international impact.
296	Deposition	The mechanical or chemical processes through which sediments accumulate in a resting place.
297	Depth of Scour	The depth of materials removed below the set datum.
298	Design	The concept and realization of a program or project, as represented by plans, specifications and documents.



Reference Number	Data Item / Term	Definition
299	Design Discharge	The calculated discharge based on the frequency of a return period.
300	Design Flood Level	The design floodwater elevation of a river to which the flood will rise in relation to the design flood frequency used (e.g., 1-year, 2-years, 5-years return period, etc.) in computing the design discharge.
301	Design Life	Period assumed in the design for which the infrastructure is required to perform its function without replacement or major structural repair.
302	Detached Breakwaters	A structure parallel, or close to parallel, to the coast, build inside or outside the surf zone.
303	Diagonals	The diagonal web members span between successive top and bottom chords and will either resist tension or compression depending on the truss configuration.
304	Diaphragm	A structural element between girders of a bridge that provides stiffening effect to the superstructure improves load sharing of girders and provides torsional restraint.
305	Differential Settlement	The vertical displacement due to settlement of one point in a foundation with respect to another point of the foundation.
306	Digital Elevation Model	The representation of continuous elevation values over a topographic surface by a regular array of z-values, referenced to a common datum. Models are typically used to represent terrain relief.
307	Digital Photogrammetry Alias Photogrammetry	The art of using computers to obtain the measurements of objects in a photograph. It typically involves analyzing one or more existing photographs or videos with photogrammetric software to determine spatial relationships.
308	Digital Terrain Model	A topographic model of the bare earth –terrain relief - that can be manipulated by computer programs. The data files contain the spatial elevation data of the terrain in a digital format which usually presented as a rectangular grid.
309	Dike Alias Levee	An embankment, generally constructed on or parallel to the banks of a stream, lake or other body of water for the purpose of protecting the land side from inundation by flood water, or to confine the stream flow to its regular channel.
310	Diked River	A river where improvement (like dike) has been introduced.
311	Dilution of Precision	An indicator of satellite geometry for a constellation of satellites used to determine a position.



Reference Number	Data Item / Term	Definition
312	Direct Contracting Alias Single Source Procurement	An alternative method of procurement of goods that does not require elaborate bidding documents. The supplier is simply asked to submit a price quotation or a pro-forma invoice together with the conditions of sale. The offer may be accepted immediately or after some negotiations.
313	Direct Shear Test	Laboratory test used to determine the relationship of shear strength to consolidation stress.
314	Direct Water Attack Alias Concave Bend, Outer Bend, Flow Attack Zone	A curvature and/or a meander stretch of a river wherein high velocity usually occurs resulting to heavy scouring and forming a drift stream.
315	Disbursement Alias Payment	The act of paying out money.
316	Dispersal Area (Safe)	An area which will accommodate a number of persons equal to the total capacity of the stand and building/structure it serves, in such a manner that no person within the area need be closer than fifteen meters (15.0 m) from the stand or building/structure. Dispersal areas shall be based upon the area of not less than 0.28 m ² per person.
317	Disposal	Sale, diversion or donation of a source.
318	Disqualification	The act of barring a bidder from further participation in the procurement at hand, even if, in some instances, the bidder has initially been declared eligible or post-qualified.
319	Ditch	An artificial open channel or waterway constructed through earth or rock, for the purpose of carrying water.
320	Divided Highway	A highway with separated roadways for traffic in opposite directions.
321	Documentary Stamps	A tax payment equal in value of the amount used as the basis for the Capital Gains Tax.
322	Domestic Bid	Any offer for unmanufactured/ manufactured articles, materials, or supplies grown or produced in the Philippines.
323	Domestic Bidder	Any person or entity offering unmanufactured articles, materials or supplies of the growth or production of the Philippines, or manufactured articles, materials, or supplies manufactured or to be manufactured in the Philippines substantially from articles, materials, or supplies of the growth, production, or manufacture, as the case may be, of the Philippines.



Reference Number	Data Item / Term	Definition
324	Domestic Entity	An individual or a sole proprietor who is a citizen of the Philippines or a partnership, corporation, cooperative, or association duly organized under the laws of the Philippines and of which at least seventy five percent (75%) of the interest or outstanding capital stock belongs to citizens of the Philippines, habitually established in business and habitually engaged in the manufacture or sale of the merchandise covered by his bid, and the business has been in existence for at least five (5) consecutive years prior to the advertisement and/or posting of the Invitation to Bid.
325	Domestic sewage	Comprise of Industrial wastewater, Recycled water, Reclaimed water and Reuse water.
326	Donation	To provide land without compensation in return.
327	Downdrag	The loading, particularly on piles, caused by settlement of soil in the upper part of the pile.
328	Down-slope	At a point on the slope below the reference point.
329	Drainage Basin Alias, Catchment Area, Catchment Basin, Watershed, River Basin	The area from which a lake, stream or waterway receives surface water which originates as precipitation.
330	Drainage Network	An array of linear elements representing the flow of surface water.
331	Drainage: Side Drains	Side drains provide for drainage of the road pavement and shoulder and condition is rated according to their ability to collect and discharge water runoff.
332	Draught	The vertical distance from the waterline to the deepest point on the keel of a vessel.
333	Drawdown	The magnitude of the lowering of a water table, usually near a well being pumped.
334	Dredge	The mechanical, hydraulic or electrical plant used for dredging.
335	Dredging	Removal from beneath water and raising through water of soil rock and debris.
336	Drift Stream Part	A portion of a river, usually at outer bends where the riverbed has become deep.
337	Drone Alias Unmanned Aerial Vehicle	An aircraft without a human pilot aboard.
338	Ductility	Ability of a component or solid material to deform under tensile stress.
339	Dune	A ridge of piled up sand.
340	Dynamic Compaction	The use of high-energy impact to density loose granular soils.



Reference Number	Data Item / Term	Definition
341	Earthwork	Consists of the excavation and embankment of earth as in preparing foundations of buildings or in constructing canals, railroad, etc.
342	eBidding Alias Electronic Bidding	A procurement facility for works, consulting services and goods, that includes creation of electronic bid forms, creation of bid box, delivery of bid submission, notification to supplier of receipt of bids, bid receiving, and electronic bid evaluation.
343	Echo Sounding	A method of measuring the depth of water by determining the time required for sound waves to travel from a point near the surface of the water to the bottom and back
344	Eco Roof Alias Green Roof, Living Roof, Vegetated Roof	A roof that is either partially or completely covered in vegetation and built on top of a man-made roof, deck roof, deck or other support structure.
345	Ecowalls Alias Green Wall, Biowalls, Vertical Gardens	A wall or similar vertical support/element that may be either free-standing or attached to an existing wall, and that may be partially, substantially or fully covered with vegetative cover.
346	Eddy	A whirling and/or circular motion of water that usually occurs in an irregular cross section of a waterway, like on outer bends.
347	Effective Stress	The portion of the total stress that is supported through grain-to-grain contract of the soil.
348	Elastic Deformation	Deformation caused in soil due to a change in loading, and the soil recovers completely when the load is removed.
349	Electronic Bidding Alias eBidding	A procurement facility for works, consulting services and goods, that includes creation of electronic bid forms, creation of bid box, delivery of bid submission, notification to supplier of receipt of bids, bid receiving, and electronic bid evaluation.
350	Electronic Bulletin Board	The central repository of government procurement opportunities, notices, and bid results including awards, bidding documents, supplemental bid bulletins, and other related documents in the PhilGEPS.
351	Eligibility	The status of a Bidder in relation to its legal, technical and financial competence to comply with the requirements of the contract to be bid.
352	Eligibility Certificate	Evidence of a Bidder's pre-qualification to bid.
353	Eligibility Check Alias Eligibility Screening	The process of determining the compliance of Prospective Bidders with the eligibility requirements prescribed, using non-discretionary, "pass/fail" criteria.



Reference Number	Data Item / Term	Definition
354	Eligibility Screening Alias Eligibility Check	The process of determining the compliance of Prospective Bidders with the eligibility requirements prescribed, using non-discretionary, "pass/fail" criteria.
355	Eligible Bidder	A Contractor, manufacturer, supplier, distributor, or consultant who meets all the requirements set by the Procuring Entity to submit a bid for the contract at hand.
356	Ellipsoid	A smooth mathematical surface obtained by rotating an ellipse about its shorter axis. It provides a relatively simple representation of the earth's shape convenient for locating horizontal coordinates of point locations on the surface of the earth.
357	Emancipation Patent	An official document transferring ownership of a tract to a person who has continuously occupied such agricultural public land.
358	Embankment	A raised structure of soil aggregate, rock or a combination of the three.
359	Employee	A person hired by an organization to work on full time, part time, or casual basis.
360	Employee ID	Unique number that identifies the employee.
361	Employee Record	(Master Record) Facts relevant to a specific employee of DPWH.
362	Employee Type Alias Status of Appointment	A term that describes an employee's job status such as Probational, Permanent, Co-Terminus, Temporary, Emergency, Substitute, Casual, Contractual, Elected or Appointed
363	Employer	Means the Government of the Republic of the Philippines represented by the Department of Public Works and Highways (DPWH) acting through the Secretary including any of his authorized representative.
364	End Anchorage	Length of reinforcement, or a mechanical anchor, or a hook, or a combination thereof beyond the point of zero stress in the reinforcement;
365	End Bearing Piles Alias Point Bearing Piles	It is a pile placed or driven on or into a material which is capable of developing the pile load by directly resting on a bearing stratum with a reasonable factor of safety.
366	Energy Grade Line	A line joining the elevation of energy heads of a stream; a line drawn above the hydraulic grade line a distance equivalent to the velocity head of the flowing water at each cross section along a stream or channel reach or through a conduit.



Reference Number	Data Item / Term	Definition
367	Engineer Log Book	A day to day record of all activities undertaken at the project site which includes information on problems encountered, materials, manpower & equipment delivered/mobilized and weather conditions, among others.
368	Engineering and Administrative Overhead	An estimated amount needed to cover administrative costs for IROW.
369	Engineering District	A subdivision of a Region, composed of municipalities and cities or portions thereof for allocation and administration of engineering works.
370	Environmental Area	An area containing conditions or resources that are sensitive or critical to natural processes.
371	Environmental Compliance Certificate	A formal document indicating that as represented, a proposed project will not cause a significant negative environmental impact
372	Environmental Impact Assessment Report	On the effects of a project on the natural and cultural environment.
373	Environmental Management Plan	A document that outlines environmental issues, mitigation measures, indicators, responsibilities, timing and cost of measures.
374	Environmental Monitoring Plan	A document providing method, scope, responsibilities, and frequencies for measuring parameters of environmental quality.
375	Environmentally Critical Area	An area delineated as sensitive, such that significant impact is expected if certain project types are to be located therein.
376	Environmentally Critical Project	A class of major infrastructure project (including all national roads and bridges), which is subject to the preparation of an Environmental Impact Statement (EIS).
377	Equipment	A device used in an operation or activity by an enterprise, including heavy equipment, portable tools, office equipment, and information technology.
378	Equivalent Maintenance Kilometer	A calculated length, based on actual physical length multiplied by adjusted factors, used to estimate the required budget for Routine Maintenance of National Roads and Bridges.
379	Equivalent Standard Axle	The actual axle load data of empty and loaded heavy vehicles (large buses and trucks above 4 tons GVW), obtained through statistical sampling, is through an ESA (single) weight of 8.2 metric tons converted into average equivalent standard single axle loads per vehicle type.



Reference Number	Data Item / Term	Definition
380	Equivalent Standard Axle Load	Summary data from axle load survey expressed in equivalent standard axles used as basis for pavement design.
381	Erosion	The wearing away of the land surface by detachment and movement of soil and rock fragments through the action of moving water and other geological agents.
382	Escarpment	A steep slope or long cliff that occurs from faulting and resulting erosion and separates two relatively level areas of differing elevations.
383	Estimated Acquisition Cost	An approximate calculation of the total amount of funds needed to buy or gain use of the area needed for IROW purposes.
384	Estimated Contract Cost Alias Approved Agency Estimate	The cost estimate prepared by the procuring entity and approved by the foreign government/foreign or international financing institution as specified in the Treaty or International or Executive Agreement.
385	Estimated Replacement Cost	An assessment of the amount of funds needed to replace the improvements on a parcel-lot.
386	Estimating Committee	The committee created by the Department that prepares the Government estimates.
387	Evaluation Criteria	A set of rules or guidelines applied to assessment of programs and projects within a plan.
388	Exchange	Acquisition whereby a government property near the project is bartered for a private lot on a "value for value" (equivalent) basis.
389	Executive Agreements	International Agreements except that they do not require legislative ratification.
390	Existing Discharge Capacity	Full discharge capacity of a waterway, usually a river before any improvement works take place.
391	Expansion and Contraction Joint	Constructed at about 15 m apart if the width of the dam is greater than 20 m in order to cope with the crack direction of right angle to the dam's axis.
392	Expendable Supplies	Articles which are normally consumed in use within one (1) year or converted in the process of manufacture or construction, or those having a life expectancy of more than one (1) year but which shall have decreased substantially in value after being put to use for only one (1) year (e.g., medicines, stationery, fuel, and spare parts).
393	Expressway	A divided highway for through traffic with full or partial control of access and generally with grade separations at intersections.



Reference Number	Data Item / Term	Definition
394	Expropriation	A taking of land by a public authority when an owner has refused offers for just compensation.
395	Expropriation Request	A complaint filed by the government with a court, stating the right and purpose of expropriation.
396	External Organization	An organization that is outside of, and not part of, DPWH and its constituent units.
397	Extra Work	Such additional labor, materials, supplies, equipment, facilities and other incidentals necessary to complete the Works but not covered or called for in the original Contract.
398	Extreme Event Limit States	Limit states relating to events such as earthquakes, vehicle and vessel collision with return periods in excess of the design life of the bridge.
399	Factor of Safety	The ratio of a limiting value of a quantity or quality to the design value of that quantity or quality.
400	Failed Pavement	Severe breakdown of the road due to defects/damages of the surface and/or base or subbase.
401	Failure Envelope	For a given soil, the graph of the shear stress and normal effective stresses at which shear failure occurs.
402	Family Income and Expenditure Survey	Summary of statistical data processed from the actual household survey being conducted periodically by the National Statistics Office. It contains information on average family income (by income source and class) and expenditures (by type of expenditures and income class) by region, provincial, city and barangay level. Analysis of the survey information results in data on household expenditures at the regional level for land transport by income classes used as one parameter in estimating public transport demand elasticities.
403	Far-fault	A fault more than 5km distant from the reference point.
404	Fault	A shear fracture in rock along which there has been an observable amount of displacement.
405	Feasibility	The potential viability of a program or project based on established criteria.
406	Feasibility Study	An assessment of the potential viability of a project based on established criteria.
407	Feature Position	An association which describes a certain linear and cross-sectional position of an infrastructure feature on a road section.
408	Fence	A constructed barrier separating one area or lot from another.



Reference Number	Data Item / Term	Definition
409	Field Book	A book in which a surveyor or other technician or scientist writes down measurements and other technical notes taken in the field.
410	Financial Audit	An analytical examination of financial transactions and accounts of an agency in order to determine their accuracy, integrity, and authenticity; and to satisfy legal requirements.
411	Financial Proposal	An offer of the price that the bidder is proposing to be paid by the procuring entity for the provision of the works, consulting services, or goods under the contract being procured.
412	Financial Statement	A principal statement of accounting prepared on the bases of trial balance and general ledger. This statement includes balance sheet, income statement, statement of cash flows, and a statement of government equity.
413	Financing Source Code	Indicates the basis of funds to which the expenditures shall be charged, identifying whether the source is within or outside the General Fund.
414	Fine Material	Particles of a size finer than the particles present in appreciable quantities in the bed material; normally silt and clay particles (particles finer than 0.062 mm).
415	Fine Material Load	That part of the total sediment load that is composed of particles of a finer size than the particles present in appreciable quantities in the bed material. Normally, the fine-material load consists of material finer than 0.062 mm.
416	Fine-grained Soils	Silt and clay soils. Soils containing particles smaller than number 200 sieve or 0.075 mm in size according to the Unified Soil Classification System.
417	First-order Station	Station with an accuracy of less than 10 parts per million (1 cm per Km)
418	Fissures	Small cracks
419	Fixed Asset	Tangible assets such as property, plant and equipment, vehicles, and computer hardware.
420	Fixture	A generic category of installed road features; which extends to include more specific sub-types of objects.
421	Flange Angels	Angles used in riveted plate girders to carry tensile or compressive forces induced by bending.
422	Flashing Lamps	Warning devices used to supplement other controls and devices necessary to alert motorists of construction and maintenance activities or obstructions in the roadway.



Reference Number	Data Item / Term	Definition
423	Flexible Pavement	A type of road structure made of a mixture of asphalt, or bituminous materials.
424	Flexible Post Alias Bollard	Device used in place of rigid barrier posts or traffic cones with a minimum of 450mm by 50mm wide with alternate bands of contrasting color as seen by approaching traffic for delineation of traffic.
425	Flexure	A deformation or behavior of an elastic structural element subjected to an external load perpendicular to the axis of the element.
426	Floating Dams	Dams which are constructed with the same purpose as the Sabo dam and is placed on a soil foundation due to the absence of rocks. In this case, safety against resisting force and piping phenomenon is considered.
427	Flood Control	Detention or diversion of water for the purpose of reducing discharge for downstream inundation.
428	Flood Discharge	Determined according to return period of the rainfall intensity, sediment concentration, extent of drainage area, social and economical importance, extent and quality of damage, record of past disasters, project benefit and balance between upstream and downstream.
429	Flood Plain	Flat land bordering a river and subject to flooding
430	Flood Sediment Discharge	The sediment discharge brought by a flood. A 1-year sediment discharge means sediment discharge in a certain year.
431	Flow Attack Zone Alias Concave Bend, Outer Bend, Direct Water Attack	A curvature and/or a meander stretch of a river wherein high velocity usually occurs resulting to heavy scouring and forming a drift stream.
432	Footing	An enlargement at the base of a foundation that is designed to transmit forces to the soil.
433	Footprint	The surface area of a building where it meets the natural ground or the finished grade i.e. the outer perimeter of a building.
434	Force	A push or a pull in a given direction on a body that changes or tends to change its state or rest. (or its state of motion).



Reference Number	Data Item / Term	Definition
435	Force Account Work	Any work outside the original contract but necessary for the completion of the Works where both parties could not agree on the mode of payment; said work will be done by the Contractor and paid for at the actual cost plus a specified percentage except in the case of rental of equipment which are to be paid at actual cost without any additional percentage. Actual cost is supported by receipt, vouchers, payroll, etc. or the prevailing cost items in the locality. This is the alternative when a unit price or lump sum method of paying Extract Work cannot be agreed upon or where this method of payment is impracticable.
436	Force Majeure	An earthquake, flood, cloudburst, cyclone, or other cataclysmic phenomena of nature beyond the power of the Contractor to foresee or to make preparation in defense thereof.
437	Foreign Bid	Any offer of articles, materials or supplies not manufactured or not to be manufactured in the Philippines, substantially from articles, materials, or supplies of the growth, production, or manufacture, as the case may be, of the Philippines.
438	Foreign Grants	Assistance from foreign governments or institutions with no repayment obligations and are provided in monetary form, goods, works, and/or consultancy services, among others.
439	Foreign Loans	Loans, credits, and indebtedness with private foreign banks or with foreign governments, agencies, or instrumentalities of such foreign governments, foreign financial institutions, or other international organizations with whom, or belonging to countries with which, the Philippines has diplomatic relations, as may be necessary and upon such terms and conditions as may be agreed upon, to enable the GOP to finance, either directly or through any government office, agency or instrumentality or any government-owned and controlled corporations, industrial, agricultural or other economic development purposes or projects authorized by law.
440	Foreign-Assisted Project Procurement	The contracting of works, consulting services, or goods, which are wholly or partly funded by foreign loans or grants.
441	Foreign-Assisted Projects Alias Foreign-funded Project	Goods, consulting services, and infrastructure projects by the GOP which are wholly or partly funded by Foreign Loans or Grants pursuant to a Treaty or International or Executive Agreement.



Reference Number	Data Item / Term	Definition
442	Foreign-funded Project Alias Foreign-Assisted Projects	Goods, consulting services, and infrastructure projects by the GOP which are wholly or partly funded by Foreign Loans or Grants pursuant to a Treaty or International or Executive Agreement.
443	Fortuitous Events	An occurrence which cannot be foreseen, or which though foreseen, is inevitable.
444	Foundation	A component of an engineered structure that transmits the structure's forces into the soil or rock that supports it.
445	Fourth-order Station	Station with an accuracy of less than 100 parts per million (10 cm per Km).
446	Free Water Alias Phreatic Water, Gravitational Water	Water that is free to move underground through a soil mass under the influence of gravity.
447	Freeboard	Allowance in height from the river waterline to crest of a revetment, dam, dike or a levee, or from the river waterline to the lowest part of the superstructure to avoid submergence during high water levels.
448	Freshet	The sudden rise or overflow of water in a stream, brought on by melting snow or a heavy rain; the flow of fresh water into the sea.
449	Friction Pile	A pile which derives its supports principally from the surrounding soil through which it is placed by the development of shearing resistance between the soil and the pile.
450	Front Protection Work	Part of dam constructed on the downstream side that is protected to prevent scour of bedrock and the fall of riverbed due to debris flow from dam opening.
451	Fumarole	A hot spring emitting volatiles.
452	Function Analysis System Technique	A method for analyzing, organizing, and graphically displaying the interrelation of the basic and secondary functions of a system, product, design, process, procedure, or facility.
453	Fund Category Code	Identifies specific funds maintained by the agency for accounting purposes, as well as for recording and reporting financial transactions.
454	Fund Cluster	A aggregation of Funding Sources for the purpose of recording transactions and preparing reports in the Budget, treasury and Accounting processes
455	Fund Source Alias Funding Agency	An institution that provides financial support to a program or project.



Reference Number	Data Item / Term	Definition
456	Fund	A fiscal and accounting entity with a self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein, which are segregated for the purpose of carrying on specific activities or attaining certain objectives in accordance with special regulations, restrictions, or limitations.
457	Funding Agency Alias Fund Source	An institution that provides financial support to a program or project.
458	Funding Projection	Expected availability of project funds from all sources over time.
459	Funding Source	The financial resources of the government set aside for specific purposes to finance specific programs and projects of the government, such as General Fund, Custodial Funds (alias trust receipts, etc.)
460	Funding Source Code	A UACS element code consists of Fund Cluster, Financing Source, Authorization, and Fund Category codes.
461	Furniture-Fixture	Fixed devices and moveable objects, with a useful life over one year, used in making an area suitable for occupancy or use.
462	Gabion	A basket or cage filled with earth or rocks and used especially in building a support or abutment.
463	Gantt Chart	A bar chart showing the construction time schedule of project activities.
464	General Appropriations Act (GAA) Alias Appropriation	A budget approved by the Legislature and the President for a particular purpose or use; including for example, funding for a specific Program.
465	General Fund	Fund which are available for any purpose to which the Congress may choose to apply, and is composed of all receipts or revenues which are not otherwise accruing to other funds.
466	General Ledger	A complete record of all accounts and financial transactions.
467	Geocentric Coordinates	A measurement of a location on the earth's surface expressed in degrees of latitude and longitude.
468	Geocentric Datum	A horizontal geodetic datum based on an ellipsoid that has its origin at the earth's center of mass.
469	Geodetic Datum	A datum that is the basis for calculating positions on the earth's surface or heights above or below the earth's surface.



Reference Number	Data Item / Term	Definition
470	Geographical Information System	An integrated collection of computer software and data used to view and manage information about geographic places, analyze spatial relationships, and model spatial processes.
471	Geohazard	Geologic and natural hazards, particularly those that put infrastructure at risk.
472	Geoid	An equipotential surface of the Earth's gravity field which closely approximates mean sea level and is by definition perpendicular to the direction of the gravity vector at all points.
473	Geomembrane	Very low permeability synthetic membrane liner of barrier used with any geotechnical engineering related material so as to control fluid (or gas) migration in a human-made project, structure, or system.
474	Geomorphology	The study of landforms, their origin and development
475	Geoportal	A web-based source of data on the earth sciences.
476	G-EPS Alias PhilGEPS	The Philippine Government Electronic Procurement System as provided in Section 8 of the IRR RA 9184.
477	Global Positioning System Survey	Determination of a position (Latitude, Longitude and Height) directly, without the need to measure angles and distances between intermediate points.
478	Goal	A state or condition sought in the long term.
479	Goods	All items, supplies, materials and general support services, except consulting services and works, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity.
480	Government of the Philippines	Term given to local projects financed by the Philippine Government.
481	Government Procurement Policy Board Alias GPPB	The regulatory body for Philippine Government Procurement created under Rule XX of Republic Act 9184 Implementing Rules and Regulations.
482	Grade Separation	A crossing of two roads at different levels, one carried over the other on a structure.
483	Grain Size Distribution Curve	A curve drawn on a log scale to represent the distribution of particle sizes in a soil.
484	Gravel Wash Alias Alluvial Fan	A fan shaped deposit formed where a stream emerges from an entrenched valley into a plain or flat.
485	Gravitational Water Alias Free Water, Phreatic Water	Water that is free to move underground through a soil mass under the influence of gravity.
486	Gravity Dam	A structure generally adopted for an erosion control dam designed so that the weight of the dam itself (the



Reference Number	Data Item / Term	Definition
		gravity force) to resist overturning by the applied forces.
487	Gravity Walls	Retaining walls which depend upon their selfweight to provide stability against overturning and sliding; usually made of a high bulk structure.
488	Green Architecture	Architecture in which the plan/design is focused on making a building energy-efficient, so as to reduce its energy consumption, water consumption, operating costs and environmental impact.
489	Green Roof Alias Eco Roof, Living Roof, Vegetated Roof	A roof that is either partially or completely covered in vegetation and built on top of a man-made roof, deck roof, deck or other support structure.
490	Green Wall Alias Biowalls, Ecowalls, Vertical Gardens	A wall or similar vertical support/element that may be either free-standing or attached to an existing wall, and that may be partially, substantially or fully covered with vegetative cover.
491	Grid Coordinate	Defined as a grid which locates a point by its distance from the intersection of two straight lines.
492	Grievance	A formal complaint or statement of dissatisfaction by an employee.
493	Groin Alias Groyne	A wall, crib, row of piles, stone, jetty or other barrier projecting outward from the shore or bank into a stream or other body of water, for the purpose of protecting the shores or bank from erosion, arresting sand movement along the shore, concentrating the low flow of a stream into a smaller channel, etc.
494	Gross Domestic Product	The economic account quantified by the National Economic and Development Authority (NEDA) expressing the country's economic performance during a given period (usually a year) both at the national and regional level and in current and real terms. This reflects the total production by domestic sector expressed in monetary terms.
495	Gross Pay	The total of an employee's regular remuneration including basic salary, allowances, overtime pay, commissions, and bonuses, and any other amounts, before any deductions are made.
496	Gross Vehicle Weight	The maximum permissible total weight (vehicle + load) in kilograms of a heavy vehicle (posted on the side of the vehicle and contained in the vehicle registration papers).
497	Ground Control	A system of points with known positions, elevations, or both, used as fixed references in georeferencing map features, aerial photographs, or remotely sensed images.



Reference Number	Data Item / Term	Definition
498	Ground Penetrating Radar	A geophysical method that uses radar pulses to image the subsurface.
499	Ground Survey Alias Topographic Survey	Collection of data to represent horizontal and vertical positions of an area, including features such as roads, bridges and bodies of water with contours, elevations and coordinates.
500	Groundsill	A structure built across the river to stabilize the riverbed by controlling the longitudinal erosion and sediment movement, which also reduces river bank erosion and riverbank collapse.
501	Groundsill Work	Structure constructed to stabilize the stream bed by preventing longitudinal erosion caused by the scouring of its foundation.
502	Groundwater	Water that exists below the water table in the zone of saturation.
503	Groundwater Table	Depth at which soil pore spaces or fractures and voids in rock become completely saturated with water.
504	Grouted Riprap	When the stones in the rip-rap are fastened together by grout of mortar.
505	Groyne Alias Groin	A wall, crib, row of piles, stone, jetty or other barrier projecting outward from the shore or bank into a stream or other body of water, for the purpose of protecting the shores or bank from erosion, arresting sand movement along the shore, concentrating the low flow of a stream into a smaller channel, etc.
506	Guard Rail	A type of safety barrier placed along the edge or in the median of a highway at dangerous areas.
507	Guide Signs (Informative Signs)	Inform and advise road users of directions, distances, routes, the location of services for road users, and points of interest.
508	Gully Erosion	Erosion on the dike slopes caused by heavy rainfall.
509	Gusset Plates	Plates whose function is to transfer stress from one member to another.
510	Harmful Sediment	Sediment produced and sediment runoff, which may cause damage by sand and stone avalanches.
511	Haul Distance	The one-way distance that a vessel has to travel to a disposal area.



Reference Number	Data Item / Term	Definition
512	Head of the Procuring Entity	The head of the agency or body, or his duly authorized official, for NGAs and the constitutional commissions or offices, and branches of government; The governing board or its duly authorized official, for GOCCs, GFIs and SUCs; or The local chief executive, for LGUs: Provided, however, That in an agency, department, or office where the procurement is decentralized, the head of each decentralized unit shall be considered as the Head of the Procuring Entity, subject to the limitations and authority delegated by the head of the agency, department, or office.
513	Headwall	A wall of masonry or concrete built at the inlet and outlet of a drainage pipe or culvert usually protruding above the surface of the road.
514	Highway	The entire width within the Right of Way boundary lines comprising the roadway including drainage structures, slope protection, safety features; bridges and off-carriageway features.
515	Hopper Capacity	The maximum total capacity of the hoppers of a hopper dredge or hopper barge.
516	Horizontal Alignment	The position or the layout of the highway on the ground which includes straight and curved paths.
517	Horizontal Control	A series of baselines or base stations in which the position of the survey for locating map detail are originated and closed.
518	Human Resource Plan	A Plan focused on the division of an organization responsible for hiring, training, and placing employees and for setting policies for personnel management.
519	Hydraulic Grade Line	Line connecting the points to which the liquid would rise in piezometer tubes if inserted at various places along any pipe. It is the measure of the pressure head plus the elevation of the pipe at these various points.
520	Hydrofracturing	A well stimulation process used to maximize the extraction of underground resources.
521	Hydrogeology	The study of the interrelationship of geologic materials and processes with water, especially groundwater.
522	Hydrographic Survey	Surveying any body of water and their marginal areas
523	Illegal Encroachment	Unauthorized use of or intrusion on IROW, as for man-made work or facilities.
524	Illegal Structure	An unauthorized or unlawful work, facility, or constructed building within the IROW.
525	Implementation Schedule Alias Construction Schedule for Works	Time table showing the order in which the various activities of a project are to be carried out.



Reference Number	Data Item / Term	Definition
526	Implementing Office Alias Operating Units	A Regional, District, or Project Management Office, Bureau or other Unit of DPWH that is responsible for the execution or delivery of a project.
527	Improvement	The betterment of existing infrastructure through upgrading, widening, or strengthening (e.g. Retrofitting) in order to increase its original design capacity or performance.
528	Improvement – Other	Various structures, fixtures, and facilities having use value on a land parcel-lots, for example, waiting sheds and deep wells.
529	Improvement Type	An indicator of a specific type of structure, fence, tree, crop, or other item of value on a lot.
530	Incidental Works	Miscellaneous works considered necessary to complete the project to the finished lines, grade, typical cross-sections, etc., as shown on the plans or as modified thru written orders.
531	Inclinometer	A device used to measure a casing's inclination from the vertical. Lateral deformations are measured against depth.
532	Independent Land Appraiser	An autonomous and non-partisan person who is qualified to estimate the value of real property.
533	Index Properties	Attributes of a soil such as moisture content, void ratio, specific gravity, Atterberg limits and grain size distribution.
534	Indigenous People	A group of people in a homogenous society who have continuously lives on communally bounded territory since time immemorial.
535	Indigenous People Action Plan	A framework for resettlement, compensation, and improvement of living standards consistent with indigenous cultural practices.
536	Indirect Costs	A secondary charge to the Contract/Project (for example, overhead expenses, contingencies, and misc. expenses).
537	Information Quality Level	A concept which assigns degrees of accuracy to road management information (such as traffic data) in ways that suits the needs at different stages of the planning process and, consequently, the variety of effort and sophistication of methods for collecting and processing data. For example, usually data collected at network level is IQL 3.
538	Information Technology Plan	A Plan specific to allocation, distribution, and usage of electronic data, computer hardware/software, and communications networks within an organization.



Reference Number	Data Item / Term	Definition
539	Infrastructure Condition	An aggregated indicator of the state of repair (or serviceability or functionality) of road features and structures.
540	Infrastructure Features	The set of actual, 'on the ground' objects, constructs, and works that are of concern to DPWH as a public highway enterprise-including structures, pavement, fixtures, and traffic events. In this stock of basic facilities, the individual "features" are represented (on a map) by either points or lines.
541	Infrastructure Plan	A method for accomplishing goals related to road improvements and structures, which is implemented through a series of programs.
542	Infrastructure Project Alias Civil Works, Works, Capital Outlay Project, Capital Project	Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings and other related construction project of the government. To be classified as a capital outlay project, the works must extend the life of the asset by more than 1 year.
543	Infrastructure Right of Way Alias IROW, Right of Way, ROW	Site or location, with defined physical boundaries, used for an infrastructure project.
544	Initial Environmental Examination	A check list report for project proponents to quickly identify and assess environmental impacts and mitigation measure.
545	Inner Bend Alias Convex Bend	A curvature and/or a meander stretch of a river wherein low velocity or sometimes no flow is observed. This is the part of the river where sediment accumulation is formed. Also known as dead water zone.
546	In-situ	Undisturbed, existing field conditions.
547	In-situ Density	The unit mass of bottom materials in their undisturbed state.
548	Instruction Signal Alias Attention Signal, Preliminary Noise	Tone or ringing-style short signal before an announcement.
549	Interchange	A system of interconnecting roadways in conjunction with one or more highway separations providing for the movement of traffic between two or more intersecting highways.



Reference Number	Data Item / Term	Definition
550	Internal Organization	The whole of all units and functions of DPWH.
551	Internal Rate of Return	An economic feasibility indicator for assessing the economic viability of a specific project. It is defined as the discount rate at which the Net Present Value (NPV) is equal to zero.
552	International Agreement	A contract or understanding, regardless of nomenclature, entered into between the GOP and another government or foreign or international financing institution in written form and governed by international law, whether embodied in a single instrument or in two (2) or more related instruments.
553	International Roughness Index	An international standard measurement of roughness of the pavement of a given road section obtained through bump integrator or laser survey. The IRI is measured in units of meters per kilometer and generally ranges from 1.8 for a very smooth surface to 16 for a very rough surface and upwards to around 20 for a poor unpaved road.
554	Intersection	A general term denoting the area where two or more roads join or cross.
555	Inventory	A list of assets, equipment, goods, data, completed works and other related information.
556	Inventory Item	A member of a set of physical resources which contribute to the net worth of an organization.
557	Inventory Quantity	The number of Inventory Units occurring within specified administrative boundaries, as for example, the number of kilometers of Bituminous Pavement within a District.
558	Inventory Unit	A basic increment of measurement of a Maintenance Feature; including for example, a kilometer of Ditch.
559	Invitation for Bid for Foreign Assisted Projects Alias Request for Expression of Interest for Consulting Services, Invitation to Bid for Infrastructure and Goods	A notice to interested contractors/ consultants/ suppliers and the general public and other interested parties of the proposed procurement for a specific contract of the Procuring Entity.



Reference Number	Data Item / Term	Definition
560	Invitation to Bid for Infrastructure and Goods Alias Request for Expression of Interest for Consulting Services, Invitation for Bid for Foreign Assisted Projects	A notice to interested contractors/ consultants/ suppliers and the general public and other interested parties of the proposed procurement for a specific contract of the Procuring Entity.
561	IROW Action Plan	A cost estimate based on preliminary survey at municipal level, and including project description, requirements, and survey results.
562	IROW Alias Infrastructure Right of Way, Right of Way, ROW	Site or location, with defined physical boundaries, used for an infrastructure project.
563	IROW Area	The total extent in square meters (length X width) of the IROW to be acquired for a project.
564	IROW Boundary Fencing	A fence that is erected along the edge of IROW in order to clear delineate the area and to control access from adjacent lands.
565	IROW Compensation Matrix	A table showing the claimant, Lot No., total land and affected areas, cost of land (BIR/Market), and type and value of improvements.
566	IROW Completion Report	A summary document prepared only after buildings, improvements, and utilities have been cleared from acquired lands.
567	IROW Land Data Matrix	A table listing by parcel-lots, including Parcel and Lot Number, Owner, TCT Number, land use and area, price per sq. m. land cost and annotations on title.
568	IROW Monthly Report	A periodic written statement on management of IROW.
569	Isolated Footing	A footing designed to support a structural load from a single column. Usually a shallow foundation, and square or circular in shape.
570	Isotropic	A soil mass having essentially the same properties in all directions.
571	Job	A unit of work (including quantities, activities, location, and schedule) to be performed on an RMMS Road Section.
572	Job Application	A request by a person for consideration in filling a position.
573	Joint Venture	A partnership or cooperative agreement between two or more Contractors or partnership or corporations restricted to a single, specific undertaking.
574	Journal	A book (or system) of original entry, with a record of current transactions.



Reference Number	Data Item / Term	Definition
575	Junction	A general term denoting the area where two or more roads join or cross, including all the roadways provided for accommodation of through, cross and turning movements, together with grade separations and ramps, if any.
576	Just Compensation	Payment required by law as compensation to an owner for a taking of private property.
577	Key Performance Indicator	An index used as a measure of success in achieving an Objective.
578	Kilometer Post	An object on the roadside, placed to indicate position on the road network in terms of distance from the start of the road – and which post in turn provides a reference for other objects on the road network.
579	Labor Cost for Demolition	Total wages paid for manpower used in demolition.
580	Laboratory	The materials and quality control testing laboratories of the DPWH or any other testing laboratory which any be designated by the Engineer.
581	Land Owner	An individual person or legal entity that holds title (documents indicating legal ownership) to a parcel-lot of land.
582	Land Parcel	A subdivision of earth surface area (land) into an individual unit with a recorded property boundary.
583	Land Use	A specific mode of activity and type of coverage applied or allocated to an earth surface area.
584	Land Use Type	An indicator of a specific activity and coverage on a land surface area (for example, residential).
585	Land Valuation (Tax) Map	An official map produced by the City/Municipal Assessor's Office or DENR Regional Office (Land Management Section) showing the assessed values of properties for tax purposes..
586	Land Value	Monetary worth of land as indicated by LAPRAP.
587	Landscaping	The planning, planting, establishing and caring for trees, shrubs, vines, and other vegetation to provide shades, reduce dusts, control erosion, or improve the general appearance of an area.
588	Land-use Map	Maps that reflect the land resources and types of land use in the national economy.
589	Lane	A part of the roadway delimited by linear markings or signs for use by a single line of traffic.
590	LAPRAP Total Cost	The summary amount of funds required for resettlement activities undertaken as part of land acquisition.
591	Latent Defect	A defect that is not apparent by reasonable observation, is "hidden" or one that is not immediately determinable.



Reference Number	Data Item / Term	Definition
592	Leave Balance	Total number of days available per type of leave
593	Leave Type	Unique code that identifies the kind of leave
594	Leave without Pay Alias Absence without Pay	Number of leave of absences taken without pay.
595	Legal Occupancy	A lawful use of a building or land for the shelter or support of persons, animals, or property.
596	Legislative District Alias Congressional District	Electoral constituency pertaining to a member of the House of Representatives.
597	Letter of Advice of Allotment	A fund release/transfer document issued by the DPWH to another agency or from DPWH Central Office to the DPWH Regional Office (if it is a trust fund). This document contains the authorization, conditions and amount allotted by program, activity, or project (PAP) for specific for funding requirements.
598	Levee Alias Dike	An embankment, generally constructed on or parallel to the banks of a stream, lake or other body of water for the purpose of protecting the land side from inundation by flood water, or to confine the stream flow to its regular channel.
599	Level of Planned Discharge	The planned discharge capacity (of a river) to be finally adopted based on the viability of the project.
600	Level of Service	A parameter used to describe the combination of road condition (surface roughness) and road capacity utilization measured in terms of traffic volume to capacity ratio (VCR). Surface roughness and VCR can only be brought together in qualitative terms. Speed and travel time are derived functions of roughness and VCR.
601	Levelling Course	The layer of material placed on an existing surface to eliminate irregularities prior to placing an overlay course.
602	Light Detection and Ranging	A remote sensing technology that measures distance by illuminating a target with a laser and analyzing the reflected light. Although thought by some to be an acronym of Light Detection And Ranging, the term lidar was actually created as a portmanteau of "light" and "radar".
603	Limit State	A condition beyond which the bridge or component ceases to satisfy the provisions for which it was designed.



Reference Number	Data Item / Term	Definition
604	Limited Source Bidding	An alternative method of procurement for goods (including major plant components) and consulting services that involves direct invitation to bid by the concerned Procuring Entity from a set of pre-selected suppliers or consultants with known experience and proven capability on the requirements of the particular contract.
605	Line Event-Permanent	A line feature on the road network that has a relatively long life-span, or duration in time.
606	Line Event-Temporary	A line feature on the road network that exists for a relatively short time span or duration.
607	Line Feature	A real-world or "on the ground" object or event represented by a line.
608	Lineament	A large-scale linear feature which expresses itself in terms of topography.
609	Lining	A protective covering over all, or over a portion of the perimeter of a conduit, canal, or reservoir, to prevent seepage losses, to withstand pressure, or to resist erosion.
610	Liquefaction	The sudden, large decrease of shear strength of cohesionless soil caused by collapse of the soil structure, produced by small shear strains associated with sudden but temporary increase of pore water pressure.
611	Liquid Limit	The water content above which the soil will flow like a liquid, but below which it will have a plastic consistency.
612	Liquidated Damages	An amount agreed upon by the parties to a contract to be paid in case of breach thereof.
613	Living Roof Alias Green Roof, Eco Roof, Vegetated Roof	A roof that is either partially or completely covered in vegetation and built on top of a man-made roof, deck roof, deck or other support structure.
614	Load Factor	A statistically-based multiplier applied to force effects accounting primarily for the variability of loads the lack of accuracy in analysis, and the probability of simultaneous occurrence of different loads, but also related to the statistics of the resistance through the calibration process.
615	Loan Agreement	A document in which a lending institution sets out terms and conditions to borrower.
616	Local Government Unit	A legally constituted or chartered public authority providing representation and public services to a locality.
617	Local Scouring	Scouring concentrated on a specific part or location of the river. Local scouring occurs in areas like the pier of



Reference Number	Data Item / Term	Definition
		bridge.
618	Locally-Funded Projects (LFPs)	Projects financed out of revenue collections and domestic borrowings.
619	Location	A real-world (geographical) position or site. 'real-world' means an actual, on the ground location.
620	Locational Referencing Point	Kilometer Marker Post, Bridge, or other relatively permanent feature that is used by DPWH to act as base datum or a marker for the relative positioning of other features.
621	Locational Referencing System	A method and technique for precisely determining positions of objects along a road network, in terms of a common base. Features are positioned on uniquely identified road sections, in terms of distance between nodes. The LRS serves the query: "Where on the road network is it?"
622	Longevity Pay Alias Loyalty Pay	Compensation to an employee based on seniority.
623	Longitudinal Section	View generated by slicing an object at an angle parallel to its longer axis.
624	Long-Term Target Discharge	The ideal maximum discharge capacity of a river system corresponding to the flood frequency (50-years, 100-years return period, etc.) used in calculation.
625	Lot Number	The unique identifier of a specific parcel-lot.
626	Lot Subdivision Plan	A survey drawing of a plot of land divided into building, parcels or lots for development.
627	Lot Technical Description	A textual description of meters and bounds, as verified by DENR.
628	Lowest Calculated Responsive Bidder	The Bidder with the lowest total Bid on a Contract/Project, which passes the post-qualification.
629	Loyalty Pay Alias Longevity Pay	Compensation to an employee based on seniority.
630	Main Contractor	The Contractor who has been awarded the Contract/Project for construction or road maintenance and who will do the majority of the work associated with the Contract; the Contractor to whom payment will be made for Item Progress on a Contract.
631	Maintenance	An activity undertaken to keep or restore an asset to good working condition.



Reference Number	Data Item / Term	Definition
632	Maintenance Dredging	Dredging to restore or maintain a depth that existed previously, but has been reduced by the deposition of sediments. It also describes dredging which is of a recurrent nature.
633	Maintenance Pathway	A service and/or maintenance road for maintenance activities of a dike or revetment.
634	Major Category of Works	The main classification of works, for purposes of evaluation of eligibility for civil works, according to type of infrastructure and kind of work performed- e.g. road construction, bridge rehabilitation, etc.
635	Major Cost Change	An increase or decrease in the monetary value of a project by more than 10%; necessitating an update of the IROW Action Plan.
636	Major Final Output (MFO)	A good or service that an agency is mandated to deliver to external clients / stakeholders through the implementation of Programs, Activities and Projects (PAPs).
637	Major IROW Development	A change in location or scope of project resulting in an increase or decrease of more than 10% in the total cost of a project.
638	Manhole	An opening thru which a person may enter or leave a sewer, conduit, or other closed structure for inspection cleaning, and other maintenance operations, closed by a removable cover.
639	Man-Hour	The unit of work by one man in one hour.
640	Marital Status Alias Civil Status	The employee's marital state i.e. single, married, divorced, separated, widowed.
641	Marking	Signs displayed on surfaces in order to convey highways or aeronautical information.
642	Marshes Alias Wetlands, Swamp, Bogs	Those areas that are inundated and saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.
643	Mass wasting	Down slope movement of soil and/or rock under the influence of gravity.
644	Master Plan	The overall description of the project area. Sometimes referred to as a basin-wide comprehensive study of a river system. Master plan explains the flood control policy, strategy, target flood magnitude, main works, etc. of a river system.
645	Mat Foundation	A structural slab utilized as a footing, which usually encompasses the entire building footprint.



Reference Number	Data Item / Term	Definition
646	Matchline	A line on a design drawing that projects a location or distance from one portion of the drawing to another portion of the drawing.
647	Material	Any measurable, physical substance used to perform an Item of work, or the substance of the completed object.
648	Material Area	An extent of surface containing matter or substances used in construction and maintenance activity.
649	Material Sample	A point for taking a specimen for investigation of conditions in a road corridor.
650	Materials	All substances specified for use in the construction of the project and its appurtenance.
651	Maximum Dry Density	A soil property obtained in the laboratory from a Proctor test. Density of soil at 100% compaction.
652	Maximum Flood Level	The highest recorded flood level.
653	Mean Sea Level	The average height of the sea for all stages of the tide. Mean sea level is obtained by averaging observed hourly heights of the sea on the open coast or in adjacent waters having free access to the sea, the average being taken over a considerable period of time.
654	Median	The portion of a divided highway separating travelled ways for traffic in opposite directions.
655	Median Lane	A speed-change lane within the median to accommodate left-turning vehicles.
656	Median Opening	The area between median ends, provided for use by crossing and turning traffic.
657	Medical Record	History of health and treatment of an employee or dependent.
658	Medium Term Public Investment Program of DPWH	Identifies the six-year national roads and bridges asset preservation and network development schemes as well as other infrastructure programs of DPWH. This program contains the Projects and Other Work Programs, which are scheduled in MYPS.
659	Medium-Term Public Investment Program Navigation	A multi-year framework to guide the selection of key projects that will support the key goals of the national government. In IT, navigation refers to a way or ways to proceed on a path through an application in a series of steps, with recurring and varying cycles of operations as needed.
660	Minimum Turning Radius	The radius of the path of the outer front wheel of a vehicle making its sharpest turn with ease and comfort.
661	Minor Structure	Any structure not classified as a bridge or culvert. It shall include catch basins, inlets, manholes, etc.
662	Mitigation Measure	A general textual description of specific steps taken to



Reference Number	Data Item / Term	Definition
		lessen adverse impacts of the IROW project.
663	Mode of Acquisition	The specific method use for obtaining title to land for IROW purposes.
664	Mode of Implementation	The manner in which an infrastructure project is carried out, either by Administration or by Contract.
665	Modulus of Subgrade Reaction Alias Subgrade Modulus	The ratio between the bearing pressure of a foundation and the corresponding settlement at a given point. The slope of the line in the loading range encountered by the soil in a plate bearing value test.
666	Month	A Gregorian calendar month, which calendar is not in general use.
667	Monthly Statement of Work Accomplished	A summary of Contractor's accomplishment during a particular period, usually a month, showing quantities of work done on each contract pay item, the unit cost of such work item and the total cost of such work done during the month. It includes the cumulative value of work done from the commencement of work up to the reporting period.
668	Morphostructural	Relating to landforms and the tectonic structure of the rocks.
669	Mortgage	A subtype of Encumbrance wherein a land parcel or improvement is pledged to secure a debt.
670	Mortgage Payable	A monetary amount due on a Mortgage that is paid as part of a purchase of land.
671	Multi-Criteria Analysis	A process which uses a combination of quantitative and qualitative criteria in a scoring system to assess and compare options that may be policies, programs or projects.
672	Narrow Plane	A plane composed of sand and other fine materials which is formed and conveyed by the overflowing of flood water from the river running between two mountains. Width of narrow plane ranges from 50 to 200 meters.
673	National Archives	The Official repository for public records or historical documents of the government of the Republic of the Philippines.
674	National Government Agency	An organizational unit of the government of the Republic of the Philippines.
675	National Road Traffic Survey Program	A program of road traffic data collection designed to produce network-level traffic data for the DPWH planning process.



Reference Number	Data Item / Term	Definition
676	Natural Hazard	A physical fault or condition presenting risk - including failure of roadway, and potential for accident to vehicular traffic. Examples include soil or material erosion, and landslide
677	Natural Moisture Content Alias Water Content	The ratio between the mass of water and the mass of soil solids.
678	Navigational	Pertaining to, or used in, conducting ships or other vessels on the water from one place to another.
679	Near-fault	A fault less than 5km distant from the reference point.
680	Near-field	The area of the near-fault.
681	NEDA Inflation Range	An official estimate of inflation (rise in general price level over time) to be applied to project funding, in terms of percent per year.
682	Need	The discrepancy between conditions expected in the goals and those actually achieved.
683	Negotiated Procurement	An alternative method of procurement of goods, works or consulting services, whereby the Procuring Entity directly seeks to agree on a contract with a technically, legally and financially capable supplier, contractor or consultant, without going through regular competitive bidding.
684	Negotiated Supplemental Agreement	The agreement signed by both parties supplementing the principal Contract for the undertaking of a specific work within or beyond the limits of the project as awarded and necessary for the completion of the project setting forth the necessity for the change and adjustment of unit price or prices agreed upon as satisfactory to both parties.
685	Net Financial Contracting Capacity	An Agency's numerical rating of the Contractor's/Supplier's capability to support the funding requirements to perform the works or provide the goods required under the contract.
686	Net Pay	The remaining amount of an employee's gross pay after deductions.
687	Net Present Value	An indicator of Feasibility for a specific project, with acceptability indicated where benefits equal or exceed costs, in present value terms.
688	Net Present Value over Cost (NPV/C)	An economic indicator used to determine the feasibility or viability of a project.
689	Network Development Need	The requirement for extension of the road network.
690	Network Need	A subtype of Need that is related to a specific component, array, or system of roads.



Reference Number	Data Item / Term	Definition
691	Network Program Evaluation	A component of the HDM-4 applications, which involves the preparation of road investment programs under various budget scenarios. It prioritizes a network's road section groups over time periods based on the NPV/C function.
692	Network State Matrix	Road network sub-divided into categories which define the key attributes that most influence pavement performance and road user costs. Each cell of NSM is referred as Network State.
693	Network Strategic Planning Evaluation	A component of the HDM-4 applications, which involves the analysis of road network strategies. The module (for instance) allows identifying the optimal mix of asset preservation and development alternatives over the whole network for a given budget ceiling and optimal implementation time schedule. It works on the basis of aggregated road sections divided into representative groups in a matrix format with simplified ranges of traffic volume and service levels (IRI and VCR) for different pavement types.
694	New Construction	A grouping of types of work associated with the building of a new infrastructure or facility, such as a road, bridge, flood control structure or other structures, e.g. School, Hospital, etc.
695	No Objection Letter	A statement of approval/concurrence on a specified situation from a lending institution
696	Node	A point representing the location of a road intersection, the beginning or ending location of a road section, or a place where a road crosses a boundary of an Administrative Area.
697	Non-Career Service	A designation indicating (1) entrance on bases other than those of the usual tests of merit and fitness utilized for the career service; and (2) tenure which is limited to a period specified by law, or which is coterminous with that of the appointing authority or subject to his pleasure, or which is limited to the duration of a particular project for which purpose employment was made.
698	Non-complying Bid	A Bid which does not meet or fulfill the requirements of the Bidding Documents, e.g., with missing Items or calculation errors that cannot be corrected.
699	Non-Diked River	River of natural bank wherein no improvement (like dike) has been introduced.
700	Non-Employee	A person that does not have current status as a job holder, within an organization.



Reference Number	Data Item / Term	Definition
701	Non-expendable Supplies	Articles which are not consumed in use and ordinarily retain their original identity during the period of use, whose serviceable life is more than one (1) year and which add to the assets of the GOP (e.g., furniture, fixtures, transport and other equipment).
702	Non-Motorized Traffic	Non-engine powered vehicles using the road such as bicycles, pedicabs, push-carts, animal-drawn carts, etc.
703	Normally Consolidated Soil	Soil having a current state which lies on the normal compression line.
704	Notice of Award Alias Award	The written notice from the procuring entity to the winning bidder accepting its bid or proposal.
705	Notice of Award Date Alias Resolution of Award Date	The calendar day the Contract is awarded to the Contractor.
706	Notice of Cash Allocation	Authority issued by the Department of Budget and Management (DBM) to Central, Regional and District offices to cover the cash requirements of the agencies for a specific period and purpose.
707	Notice of Eligibility/ Ineligibility	The document issued by the BAC to a bidder formally informing that it meets/ does not meet the eligibility requirements for the contract being procured.
708	Notice of Intent to Terminate	An initial legal document to start the process of contract termination
709	Notice of Post-Qualification / Post-Disqualification	The document issued by the BAC to the bidder with the Lowest Calculated Bid (LCB)/Highest Rated Bid (HRB) whose bid is found responsive/non-responsive after the post-qualification process.
710	Notice of Taking	A formal notification to property owners about the need to acquire property for a government project.
711	Notice Publication Date	The calendar day potential Bidders are notified of a Bid Opening.
712	Notice to Proceed	The document issued by the Head of the Procuring Entity to the winning bidder to proceed with the implementation of the contract specifying the date on which work/services can begin.
713	N-Value Alias Standard Penetration Resistance	The number of blows required to drive a split-spoon sampler during a standard penetration test a distance of 12 inches (0.305 m) after the initial penetration of 6 inches (0.15 m).
714	Objective	Specific short term results, sought in pursuit of the goals.



Reference Number	Data Item / Term	Definition
715	Obligation	A commitment by an agency to pay a particular sum of money to a creditor, arising from orders placed, contracts awarded, and services rendered.
716	Off-Carriageway Improvement	A grouping of types of work associated with betterment of elements of a road outside the limits of the carriageway such as shoulders, loading and unloading bay, flaring of intersections/curves, correction of inadequate drainage structures, road slope, or road safety elements.
717	Offer to Purchase	A bid made by the public authority to a land owner to acquire land for a specific price.
718	Open Channel	Any conduit in which water flows with a free surface. Channel in which the stream is not completely enclosed by solid boundaries and therefore has a free surface subjected only to atmospheric pressure.
719	Open or Spill Through Abutment	An abutment with two or more columns on separate or combined footing placed near the banks of the river having a relatively high fill.
720	Opening of Bids Alias Bid Opening	The occasion/event where the bids are opened at the place, date and time specified in the advertisement.
721	Operating Units Alias Implementing Office	A Regional, District, or Project Management Office, Bureau or other Unit of DPWH that is responsible for the execution or delivery of a project.
722	Operational Plan	A Plan pertaining to a process or series of actions for achieving a result.
723	Optimum Moisture Content	The water content at which the maximum dry density of a soil is obtained using a specific effort of compaction. Optimum moisture of a specific soil is determined through a Proctor test.
724	Ordinary Water Level	The height of water in the river under normal condition.
725	Organic Soils	Earth comprised of organic material, peat, and muskeg.
726	Organization	The administrative and functional structure of a business, governmental, or non-governmental agency.
727	Original Certificate of Title	A document indicating ownership in the first instance, of newly subdivided Lot.
728	Original Contract Amount Alias Original Contract Cost	The total price originally agreed upon as payment for the completion of the entire scope of work/services/goods stipulated in the Contract.
729	Original Contract Cost Alias Original Contract Amount	The total price originally agreed upon as payment for the completion of the entire scope of work/services/goods stipulated in the Contract.



Reference Number	Data Item / Term	Definition
730	Originating Agency	The government organization responsible for identification and planning of the Project.
731	Orthophoto Map	An image that has had all distortions due to camera obliquity, terrain, relief and features removed.
732	Other Agency Project Code	An identification scheme used by other Government Agencies to identify their projects which are being implemented by the DPWH.
733	Other Pro-Rated Component Cost	The additional amount to the Project Component, above the Contract Component Cost, to account for the Pay Items Part A and B at the Contract level.
734	Other Work Programs	This is a structure holding summary information (mostly budgetary data) on DPWH projects other than national roads (undergoing either asset preservation or network development) and bridges (replacement or new construction) on national roads, e.g. routine road and bridge maintenance, excluded urban national roads, flood control, road safety, calamity, major repairs of bridges.
735	Outer Bend Alias Concave Bend, Direct Water Attack, Flow Attack Zone	A curvature and/or a meander stretch of a river wherein high velocity usually occurs resulting to heavy scouring and forming a drift stream.
736	Overall Performance Indicator	An overall performance indicator at plan level, which allows measuring the Agency (DPWH) performance in management of the highway network.
737	Overburden Soil	Overlying soil of a desirable soil stratum.
738	Overconsolidated Soil	A clayey soil carrying a higher load in the past. Soil having a current state which lies inside the normal compression line.
739	Overdredging	The dredging of material from levels below that specified or required.
740	Overhead Signs	Signs which provide means of displaying essential traffic information on wide multi-lane roads, where some degree of lane use control is required, or where side-of-road clearance is insufficient to accommodate a road side sign.
741	Over Time	Amount of time an employee works beyond normal working hours.
742	Parcel	A quantity of land identified for taxation purposes.
743	Parcellary Survey	A survey to determine and establish the legal boundary of real properties.



Reference Number	Data Item / Term	Definition
744	Parcellary Survey Plan	A drawing that shows the area and dimensions of a property and provides the observations that the surveyor made or calculated to define the property boundaries in relation to surrounding properties and the survey network of known marks.
745	Parking Area	A surface or structure within the RROW, set aside from traffic lanes, and used for short-term storage of vehicles.
746	Parking Lane	A surface within the IROW, set aside from traffic lanes, and used for short-term holding of stationary vehicles.
747	Parkway	An arterial highway for non-commercial traffic, with full or partial control of access, and usually located within a park or a ribbon of park-line development.
748	Participant	A person or organization through which effort is applied or a result is achieved.
749	Particle Size Distribution	Soil particle sizes that are determined from a representative sample of soil that is passed through a set of sieves of consecutively smaller openings.
750	Passenger Car Equivalent Factors	Express the impact on road capacity of the various vehicle types with a passenger car equal to 1.0 (maximum PCEF = 4.0).
751	Passenger Car Units	Passenger car units in relation to capacity are the aggregated product of AADT by vehicle type and the respective Passenger Car Equivalent Factors.
752	Passive Earth Pressure	The maximum horizontal stress exerted by a mass of soil on a retaining surface as the surface moves toward the soil.
753	Pavement	The constructed all-weather surface of a road, including parking and auxiliary lanes but excluding shoulders. That part of a roadway having a constructed surface for the facilitation of vehicular traffic.
754	Pavement Management System	Pavement Management System (PMS) is a set of tools and procedures that assist decision maker in finding optimum strategies for providing and maintaining pavements in a serviceable condition over a given period of time.
755	Pavement Structure	The combination of subbase, base course and surface course placed on a subgrade.
756	Pavement Surfacing	The constructed all-weather surface of a highway, including parking and auxiliary lanes but excluding shoulders. That part of roadway having a constructed surface for the facilitation of vehicular traffic.



Reference Number	Data Item / Term	Definition
757	Pay Item	An entry of a specific item of work in a Bill of Quantities that is specified as a bid entry or article and listed as a separate Unit for payment.
758	Pay Item Number	A unique sequential identifier for the Pay Item.
759	Pay Rate	Periodic compensation received by an employee including benefits.
760	Payment Alias Disbursement	The act of paying out money.
761	Payroll	The payment of salaries and wages (subject to deductions).
762	PBDs Alias Philippine Bidding Documents	The generic bidding documents, prepared by the GPPB in accordance with the IRR of RA No. 9184, as harmonized with the procurement guidelines of the Asian Development Bank (ADB), the Japan International Cooperation Agency (JICA), and the World Bank (WB).
763	Performance Appraisal	Evaluation of an employee's effectiveness in carrying out work activities.
764	Performance Bond Alias Performance Security	The financial instrument submitted by the contractor in the form of cash, cashier's/manager's check, letter of credit, bank guarantees, surety bond callable on demand, to guarantee full performance of its contractual obligations for the subject works/consulting services/goods.
765	Performance Security Alias Performance Bond	The financial instrument submitted by the contractor in the form of cash, cashier's/manager's check, letter of credit, bank guarantees, surety bond callable on demand, to guarantee full performance of its contractual obligations for the subject works/consulting services/goods.
766	Period of Warranty	Period fixed by the Department within which a Contractor guarantees the quality of Work he had contracted and completed. It shall commence upon issuance of the Certificate of Completion of the Works. At least two (2) weeks before the expiry date of this Period of Warranty, the project shall again be inspected by the engineer and DPWH representatives to determine any defects thereon. All discovered defects, if any, shall be repaired by the Contractor to the satisfaction of the Engineer after which the Certificate of Acceptance shall be issued to the Contractor by the Department.
767	Permanent Appointment	Employment status for a person who meets all the requirements for the position to which he is being appointed.



Reference Number	Data Item / Term	Definition
768	Permanent Works	The permanent structures to be constructed and completed in accordance with the Contract Documents.
769	Permeability	A measure of continuous voids in a soil. The property which allows the flow of water through a soil.
770	Permit to Cut	A formal permission (no objection) obtained from DENR to clear trees within the IROW.
771	Person	An individual human being.
772	Personnel Appointment	Assignment of a person to a position.
773	Personnel Sanction	Administrative action taken by DPWH in respect to an employee.
774	PhilGEPS Alias G-EPS	The Philippine Government Electronic Procurement System as provided in Section 8 of the IRR RA 9184.
775	Philippine Bidding Documents Alias PBDs	The generic bidding documents, prepared by the GPPB in accordance with the IRR of RA No. 9184, as harmonized with the procurement guidelines of the Asian Development Bank (ADB), the Japan International Cooperation Agency (JICA), and the World Bank (WB).
776	Philippine National	An individual or a sole proprietor who is a citizen of the Philippines or a partnership, corporation, cooperative, or association organized under the laws of the Philippines of which at least sixty percent (60%) of the capital or interest is owned by citizens of the Philippines.
777	Philippine Transverse Mercator Zone	Adaptation of the standard Mercator projection that delivers high accuracy in zones less than a few degrees in east-west extent.
778	Photogrammetry Alias Digital Photogrammetry	The art of using computers to obtain the measurements of objects in a photograph. It typically involves analyzing one or more existing photographs or videos with photogrammetric software to determine spatial relationships.
779	Phreatic Water Alias Free Water, Gravitational Water	Water that is free to move underground through a soil mass under the influence of gravity.
780	Physical Planning	The activities pertaining to the preparation of a physical layout of land or property on which vertical structures such as buildings and/or structures and horizontal developments are proposed.
781	Pier	A structure usually of concrete or stone masonry, which is used to transmit loads from the bridge superstructure to the foundation soil and provide intermediate supports between the abutments.
782	Piezometers	An instrument used to measure in-situ pore water pressures.



Reference Number	Data Item / Term	Definition
783	Pile	A slender member that is driven (hammered), drilled or jetted into the ground. Piles are usually constructed of timber, steel or pre-stressed reinforced concrete.
784	Piping	The movement of soil particles as a result of unbalanced seepage forces produced by percolating water.
785	Plan	A formulation and means adopted in order to resolve a gap between an existing situation and future needs, including approaches to achieve: longer term agency goals; needs for physical infrastructure; and needs for various human and technical resources as appropriate.
786	Planning Factor	A class including physical, environmental, and socio-economic situations and constraints.
787	Planning Road Section	The segment of the road network for planning and programming purposes. This consists of the road segment location and basic information related to road and traffic volume for both asset preservation and network development analysis purposes.
788	Planning Scenario	Possible future extent and condition of the highway network based on sets of assumptions concerning future funding, traffic demand and the current road network.
789	Plans	A set of two-dimensional diagrams used to accurately capture all the geometric features of a site or a structure.
790	Plastic Limit	The moisture content in which a soil will have a plastic consistency.
791	Plasticity Index	The difference between the liquid limit and plastic limit of a soil mass.
792	Plate Girders	A type of girder that is built-up with plates or with plates and angles.
793	Point Bearing Piles Alias End Bearing Piles	It is a pile placed or driven on or into a material which is capable of developing the pile load by directly resting on a bearing stratum with a reasonable factor of safety.
794	Point Feature	A real-world object that is relatively long lasting, and represented by a point.
795	Policy-Procedure	An official and authoritative set of rules to guide decisions in an activity; and the specific steps to be performed in accomplishing the subject activity.
796	Polygonal Form	One of the plane forms of the Groundsill structure wherein its vertex meets at the center of the river.
797	Pony Truss	A low truss through bridge of short span, with the roadway or deck between the top and bottom chords but not of sufficient height to allow the use of upper lateral bracing.



Reference Number	Data Item / Term	Definition
798	Pooling Area	A flooding area within the IROW, which receives storm water discharge from a Catchment Area.
799	Pore Pressure	Also, hydrostatic pressure. The pressure exerted by the fluid within the pores or voids in a porous material; in saturated soil the pore pressure is the pore water pressure.
800	Pore Pressure Coefficient	The ratio of the change in pore pressure to the change in isotropic stress in undrained loading.
801	Pore Pressure Ratio	At a given depth of soil, the ratio of the porewater pressure to the vertical overburden pressure.
802	Pore Space Alias Porosity	The ratio of the volume of voids to the total volume.
803	Porosity Alias Pore Space	The ratio of the volume of voids to the total volume.
804	Portal	The website that integrates a wide variety of contents for the purpose of attracting and aggregating multiple users together in a central virtual space.
805	Portal Bracing	Combination of struts and ties which lie in the plane of inclined braces found overhead at the ends of through truss and provides lateral stability and shear transfer between trusses or from truss to an abutment or pier of a bridge.
806	Position	Set of duties or functions of a particular job.
807	Post Evaluation	An assessment of a program or project after its completion.
808	Post Tensioning	The system of prestressing whereby tendons are stressed after the concrete has attained the required strength and the prestressing forces are transmitted to the concrete generally by anchoring the stressed tendons to the members.
809	Precast Concrete	A structural member specially of concrete that has been cast into form either in a permanent plant or somewhere near the site of construction before being transported to the site of installation and finally erected at its final location.
810	Pre-implementation Meeting	Gathering of interested parties to discuss a plan or strategy before launching a program or project
811	Preliminary Noise Alias Attention Signal, Instruction Signal	Tone or ringing-style short signal before an announcement.
812	Preliminary Survey	The collection of survey data on which to base studies for a proposed project.



Reference Number	Data Item / Term	Definition
813	Prequalification Bid and Award Committee Alias Bids and Award Committee	Committee of the Procuring Entity which is responsible for the conduct of eligibility screening of applicants, bidding and recommending award of Contracts.
814	Pre-qualified Contractor	A prospective bidder that passes the qualification requirements prior to bidding on Foreign-Assisted Projects (FAPs).
815	Prestressed Concrete	Concrete reinforced with strands, pretensioned or post tensioned, wherein the effective internal stresses are induced deliberately by forces caused by tensioned steel or other means to give an active resistance to loads.
816	Pretensioning	The system of prestressing concrete members whereby wires or strands called tendons are stressed to a predetermined amount by stretching them between anchorages prior to pouring of concrete.
817	Prevention of Damage Caused by Sand and Stone Avalanche	To protect lives and the natural environment, public and private properties from direct damage such as the direct hit of debris flows, lahar flow or mudflows and landslides or from direct damage such as aggradations or reservoirs by sediment runoff and floods due to rise of the river bed by sediment discharge.
818	Preventive Maintenance (PM)	A set of activities carried out at predetermined intervals or according to prescribed criteria, and intended to reduce the probability of failure or malfunctioning of an asset, or extend the asset life, such as road, bridge, equipment, motor vehicles, etc.
819	Preventive Maintenance (Roads)	A grouping of types of work that include asphalt overlay and all concrete reblocking irrespective of the level of subgrade impacted.
820	Price Escalation	An adjustment of monetary values made periodically to compensate for fluctuation in costs of construction supplies, materials, equipment, and labor.
821	Prime Coat	A thin layer of light, penetrating bitumen, applied by a distributor on a base to be resurfaced with bituminous pavement, to stop the water from rising by capillarity and to coat and bind particles, thus promoting adhesion between the base and ne pavement.
822	Prior Clearance	An Authority approved by the Secretary to issue a Variation Order on previously approved contracts



Reference Number	Data Item / Term	Definition
823	Private Consumption	The economic account on household consumption of goods and services at regional level considered as one parameter in estimating regional passenger transport demand elasticity. However, available data from NSCB deals only with gross regional domestic expenditure; thus, NSO data on total family expenditures on public and private transports are used as proxies.
824	Private Sector	A business or organization in service to the community or nation, and general welfare.
825	Privately Owned Structure	A structure owned by an entity in the private sector.
826	Proctor Test	Laboratory test used to determine maximum dry density and optimum moisture content of soils.
827	Procurement	The contracting of works, or acquisition of consulting services or goods, by the procuring entity.
828	Procurement Method	A scheme of acquiring infrastructure projects, goods, and consulting services by the government; including for example: sole source, competitive bidding (national/international), and national shopping.
829	Procuring Entity	Any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the GOP (NGA), including GOCC, GFI, SUC and LGU procuring goods, consulting services and infrastructure projects.
830	Production of Sediment	The occurrence of unstable sediment, which accompanies certain phenomena like the collapse of slope and landslide due to streamial rains, earthquakes, and volcanic activities as well as erosion of the riverbed or bank.
831	Profile	Series of elevation along a line.
832	Profile Grade	The trace of a vertical plane intersecting the top surface of the proposed wearing surface, usually along the longitudinal centerline of the roadbed, expressed as elevation on gradient.
833	Program	An integrated group of activities that contributes to an agency's continuing objective, such as General Administration and Support, Support to Operations, and Operations.
834	Program /Activity/ Project / (PAP)	Item of appropriation in the General Appropriations Act which refers to either a Program, Activity, or Project.



Reference Number	Data Item / Term	Definition
835	Program Amendments	Changes, additions or deletions of Projects/Project details and/or allocations in the House General Appropriations Bill (HGAB), prior to General Appropriations Act (GAA).
836	Program Amount	Represents the amount set aside for the project from both the amount budgeted and loans/aids/grants from both local and foreign sources.
837	Program Errata	Changes, additions or deletions of Projects and/or allocations in the National Expenditure Program (NEP), prior to the House General Appropriations Bill (HGAB).
838	Program of Works (POW)	The total estimated cost of the project which covers the Civil Works Cost, Engineering Supervision and Administrative Overhead, Road Right-of-Way Acquisition Cost, Construction Contingency, etc.
839	Program Work Category	A grouping of Activities or Types of Work that are generally combined into a program.
840	Progress Report	An assessment that takes place during a project or process, that conveys details such as what sub-goals have been accomplished, what resources have been expended, what problems have been encountered, and whether the project or process is expected to be completed on time and within budget.
841	Project	A special agency undertaking within a definite timeframe and which is designed to produce pre-determined works, goods or services.
842	Project Affected Person	An individual who occupies a lot or has improvements on a lot, but who is not the Landowner.
843	Project Category	A classification or group of projects having some qualities in common, i.e. Physical Infrastructure or Non-Physical Infrastructure.
844	Project Component	A distinct Task or Activity in the life cycle of a Project that is tracked separately for management and monitoring purposes. Valid types are Feasibility Studies, Design, Right of Way Acquisition, Civil Works, and Supervision. Distinct types or items of infrastructure are treated as separate Components.
845	Project Component ID	Unique identifier for a Project Component.
846	Project ID	A unique identifier given to a project.
847	Project Justification	Benefits to be derived from the projects.
848	Project Modification	Changes in project details in the GAA, subject to the approval of the DPWH Secretary.



Reference Number	Data Item / Term	Definition
849	Project Need	Measures to achieve improved conditions expressed in goals, in the form Resolutions, Requests, Etc.
850	Project Organization Chart	Chart of the Organization presented which the Bidder intends to use to execute the works, showing, among other things, the senior technical personnel who will be assigned to the Contract, supported by a statement of the experience of such senior technical personnel.
851	Project Procurement Management Plan (PPMP)	A document that lists the requirements of a contract for particular works, consulting services, or goods by a procuring entity.
852	Project Realignment	Changes in projects, project details and/or allocations in the GAA, subject to the approval of the DBM/Office of the President.
853	Project Site Alias Site	The lands or places on which the Works are to be executed or carried out and other lands or places provided by the Government for the purposes of the Contract.
854	Project Type	An indicator of a specific project.
855	Project-Site-Related Accident	A harmful event that occurred within the boundaries of a Project Site or an approach to or exit from a Project Site, resulting from an unsafe act, unsafe condition or inadequate warning and informatory signs and/or traffic safety devices.
856	Promotion	A category of employment movement from one position to another with an increase in duties and responsibilities as authorized by law and usually accompanied by an increase in pay.
857	Property	A piece of real estate (land and buildings) that is owned.
858	Property Address	An official designation of the place where a parcel-lot to be acquired is located.
859	Property Condition	Specific features and situation of land to be exchanged.
860	Property Encumbrance	A right or interest in a parcel of land (lot) that affects its value.
861	Property Lists including Improvements	A list of existing properties and improvements, including fences, trees, crops, structures, public or private.
862	Property Size Adjustment	Alteration of the area of a lot to be exchange for a needed area, so that monetary values of the properties are made about equal.



Reference Number	Data Item / Term	Definition
863	Proposal Alias Bid, Tender	A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the Bidding Documents.
864	Proposal Book Form	The approved forms on which the DPWH requires bids or tenders to be prepared and submitted for the Works.
865	Prospective Bidders	Contractors/Consultants/Suppliers that may participate in a bidding process.
866	PRS92 Coordinates	A homogeneous national network of geodetic control points (GCPs), marked by concrete monuments or mojons, that has been established using Global Positioning System (GPS) technology.
867	Public Bidding Alias Competitive Bidding	A method of procurement which is open to participation by any interested party and which consists of the following processes: advertisement, pre-bid conference, eligibility screening of prospective bidders, receipt and opening of bids, evaluation of bids, post-qualification, and award of contract.
868	Public Consultation Meeting	An organized gathering of interested and affected persons for discussion of issues and concerns associated with the project.
869	Public Infrastructure	Buildings, facilities, utilities, and fences in the IROW that are for public use and in public ownership.
870	Public Sector	A governmental organization in service to the community or nation, and general welfare.
871	Public Utility Jeepney	A jeep type used as public utility vehicle or a public mode of passenger transport.
872	Punch List	Document listing work that does not conform to contract specifications, usually attached to the certificate of substantial completion.
873	Pyroclastic	Rocks formed by fragmental volcanic materials that have been blown into the atmosphere by volcanic activity.
874	Qualifier	An additional specific requirement on Major or Similar Categories of Work, to be required from the bidders at the bidding stage, to show that they have the necessary expertise and experience to undertake the project, e.g. long tunnel using tunnel boring machine (TBM) or bridge retrofitting using special jacking technology.
875	Quantity	The amount of an Item of work appearing in the Bill of Quantities.
876	Quantity Standard	The volume of work that is planned per Inventory Unit, (for example, 200 linear meters of ditch cleaned per each kilometer of ditch) over the total Inventory Quantity.



Reference Number	Data Item / Term	Definition
877	Raking Pile Alias Battered Pile, Spur Pile	A pile driven at an inclination to resist force which is not vertical.
878	Rankine Earth Pressure Theory	Earth pressure analysis that disregards friction between the wall and soil, and assumes that failure occurs along a flat plane behind the retaining structure at an angle that is derived from the angle of internal friction.
879	Ravelling	Process by which water transports soil particles downward into cavities in the underlying strata.
880	Real Property	A parcel of real estate (land) including structures, improvements, crops, trees and appurtenances therein, but excluding movable machinery and equipment.
881	Real Property Tax	A compulsory contribution levied upon land, property, or improvements by a public authority.
882	Real Property Tax Clearance	An official certification that taxes owed on real property have been paid or waived.
883	Real Property Tax Summons	An official record that Real Property Taxes have been waived or paid. An order delivered to a defendant (property owner) to appear before a Regional Trial Court.
884	Reassignment	A category of employment movement where an employee may be reassigned from one organizational unit to another in the same agency provided that such reassignment shall not involve a reduction in rank, status, or salary.
885	Reassignment of Contract	A contract implementation situation where a contract is terminated and the available balance of work is awarded to a qualified Contractor through negotiated contract.
886	Receipts	The sum of revenues and gross borrowings for a given period.
887	Reconstruction Alias Replacement	A grouping of types of work associated with total replacement of an existing infrastructure to equal or better the original design standards. In the case of pavement, it extends into the subgrade, e.g. asphalt to concrete, raising of grade/ elevation of the road or bridge approaches. This excludes asphalt overlay and concrete reblocking preventive maintenance treatment for roads.
888	Reemployment	A category of employment movement for an employee who has been appointed permanently to a position in the career service after previously being separated.
889	Reference Marker	An item specifically selected to indicate the position within the road network.



Reference Number	Data Item / Term	Definition
890	Regime	A management pattern or mode that defines the type and timing of maintenance activities; that when applied, results in creation of specific Jobs for a group of Basic Road Sections, to obtain a defined Level of Service.
891	Region	An Administrative Area comprising several provinces having more or less homogeneous characteristics such as ethnic origin of inhabitants, dialect spoken, agricultural produce, and religion.
892	Regional Area	The debris flow selection and the bed load section.
893	Register of Deeds	An office responsible for the proper registration of all deeds for land and improvements.
894	Regulated Zone	A linear extent of highway with legal constraints on speed, or weight-or other limits.
895	Regulatory Signs	Signs that inform road users of traffic laws and regulations which, if disregarded, will constitute an offense.
896	Rehabilitation Alias Restoration	A grouping of types of work which restore structural capacity and performance, and/or enhance safety. These types of work are applicable to infrastructure in poor or bad condition. In the case of pavement, this shall not extend into the subgrade. In the case of flood control, this includes dredging.
897	Reinforced Concrete	A composite material which utilizes the concrete in resisting compression forces and some other materials, usually steel bars or wires, to resist the tension forces.
898	Reinforced-soil	Soil constructed with artificial reinforcing, also known as mechanically stabilized earth or MSE.
899	Reinstatement	A category of employment movement for an employee who has been permanently appointed to a position in the career service after reestablishing the status of the employee at the same level.
900	Relative Density Alias Density Index	The density of a granular soil relative to the minimum and maximum densities achieved for that particular soil.
901	Relocation Site	An area of land that can be provided for the resettlement of Project Affected Persons.
902	Remote Sensing	The science of obtaining information about objects or areas from a distance, typically from aircraft or satellites.
903	Repeat Order	An alternative method of procurement of goods from the previous winning bidder, whenever there is a need to replenish goods procured under a contract previously awarded through Competitive Bidding.



Reference Number	Data Item / Term	Definition
904	Replacement Alias Reconstruction	A grouping of types of work associated with total replacement of an existing infrastructure to equal or better the original design standards. In the case of pavement, it extends into the subgrade, e.g. asphalt to concrete, raising of grade/ elevation of the road or bridge approaches. This excludes asphalt overlay and concrete reblocking preventive maintenance treatment for roads.
905	Request for Expression of Interest for Consulting Services Alias Invitation for Bid for Foreign Assisted Projects, Invitation to Bid for Infrastructure and Goods	A notice to interested contractors/ consultants/ suppliers and the general public and other interested parties of the proposed procurement for a specific contract of the Procuring Entity.
906	Request for Proposal	A written notice soliciting offers for consulting services.
907	Requisition	Written request for procurement or assignment of an inventory item.
908	Rescission of Contract	The abrogation of the Contract due to causes attributable to the fault, act(s) or omission(s) of the contractor, whereby under the stipulated terms of the Contract, the contractor is not released from liability until the Works had been completed and the parties' obligation, if any, had been settled.
909	Residual Soils	Soils that have been formed in place.
910	Resolution of Award	The formal written recommendation from the Bids and Awards Committee (BAC) that declares the Lowest Calculated Responsive Bid (LCRB)/Highest Rated Responsive Bid (HRRB) as the winning Bidder, subject to the approval of the HOPE.
911	Resolution of Award Date Alias Notice of Award Date	The calendar day the Contract is awarded to the Contractor.
912	Resource Plan	A specific approach toward allocation and deployment of organizational assets.
913	Restoration Alias Rehabilitation	A grouping of types of work which restore structural capacity and performance, and/or enhance safety. These types of work are applicable to infrastructure in poor or bad condition. In the case of pavement, this shall not extend into the subgrade. In the case of flood control, this includes dredging.



Reference Number	Data Item / Term	Definition
914	Retaining Wall	A structure usually made of stone masonry, concrete or reinforced concrete that provides lateral support for a mass of soil.
915	Retarding Basin	A natural or man-made reservoir designed and operated to reduce the peak volume of the flood flow of a stream or river through temporary storage.
916	Retrofitting	A grouping of types of work associated with strengthening of existing structures to comply with the latest standards, usually with the aid of new technology or new feature to the old design.
917	Return Period	The probability, expressed in years, where phenomena (i.e., flood, rainfall) of a targeted size/magnitude will likely to occur.
918	Revetment	A flood control structure for protection of the riverbank from collapse brought about by erosion, scouring and riverbed degradation.
919	Revised Cost	An amended estimate for a Contract/Project.
920	Revised Implementation Schedule	Revision of the Construction Schedule due to Notice to Proceed, Variation Order, Contract Time Suspension and/or Contract Time Extension.
921	Right of Way Alias ROW, Infrastructure Right of Way, IROW	Site or location, with defined physical boundaries, used for an infrastructure project.
922	Rigid Frame	A structure whose end connection of all members in the frame have sufficient rigidity to hold the original angles virtually unchanged between such members and the members they connect, to resist the moments which are generated due to the applied loads.
923	Ripple	A small wave spreading outward from a point where the surface of water is disturbed.
924	Riprap	Rock or other material used to armor shorelines, streambeds, bridge abutments, piling and other shoreline structures against scour and water erosion.
925	River Bank	The highest point and/or ground elevation of a river which can contain flood water without flooding the adjacent land areas.
926	River Basin Alias Catchment Area, Catchment Basin, Watershed, Drainage Basin	The area from which a lake, stream or waterway receives surface water which originates as precipitation.



Reference Number	Data Item / Term	Definition
927	River Master Plan	The flood control and Sabo plan from downstream to upstream of the river.
928	River Training	A group of engineering works built along a river or a section thereof in order to direct or lead the flow to a prescribed channel, with or without the construction of embankments.
929	Riverbed Sediment Control Dam	A dam constructed immediately downstream of the riverbed sediments. It is adequate for securing sediment accumulation by designing runoff check and control.
930	Road	A general term denoting a public way for purposes of vehicular traffic, including the entire area within the road right-of-way.
931	Road and Bridge Information Application	A computer application that is the information repository for all network-level road and bridge data in the DPWH.
932	Road Deterioration and Work Effects	RDWE models simulate the road deterioration and effects of various maintenance activities.
933	Road Junction	A general term denoting the area where two or more roads join or cross, including all the roadways provided for accommodation of through, cross and turning movements, together with grade separations and ramps, if any.
934	Road Markings	Paint or studs on the carriageway or shoulder to control traffic. These markings either supplement information on road signs, or serve independently to indicate certain regulations or hazardous conditions.
935	Road Network	An aggregation of linear elements (Road Sections & Nodes) representing the interconnecting array or system of roads.
936	Road Section	A part of a road (represented by a centerline) connecting significant (distinct and identifiable) Nodes.
937	Road Sign	An object or device located to convey information to road users – through exposure to view. Four major sign types include: directional, regulatory, warning, and informational.
938	Road Traffic Information Applications	Computer applications that support the NRTSP traffic data collection processes.
939	Road Upgrading	A grouping of types of work that involve a change in surface type of a road from earth to gravel or from unpaved to paved.



Reference Number	Data Item / Term	Definition
940	Road User Cost	The total user costs in a road network or part thereof when VOC is applied to each vehicle type together with IRI values for various roughness and VCR related to congestion costs.
941	Road/Street	A general term denoting a public way for purposes of vehicular travel, including the entire area within the right-of-way.
942	Roadbed	The grades portion of a highway, usually considered as the area between the intersection of top and side slopes, upon which the base course, surface course, shoulders and median are constructed.
943	Roadside Development	Those items necessary to the complete highway which provide for the preservation of landscape materials and features; the rehabilitation and protection against erosion of all areas disturbed by construction through seeding, sodding, mulching and the placing of other ground covers, such suitable planting and other improvements as may increase the effectiveness and enhance the appearance of the highway.
944	Roadside Friction	Roadside developments and activities affecting road capacity.
945	Roadside Structure	Retaining Wall, Obstruction, or Parking Area beside the road.
946	Roadway – (General)	The portion of a highway, including shoulders, for vehicular use.
947	Roadwork Signs	Warn or advise of temporary hazardous conditions that could endanger road users or the men and equipment engaged on roadwork.
948	Rock Fill	Hard material of suitable size for deposition and compaction and may comprise rock as defined in this Clause, broken stone, hard brick, concrete or other comparable hard inert material.
949	Rotary Interchange	A multi-leg interchange where the major highway is grade separated from a rotary on which all turning movements and through movements of all other highways accommodated.
950	Route	A path on a road network (a combination of/or parts of Road Sections) identified for a particular purpose.
951	Routine Maintenance	Simple, small-scale activities associated with regular (daily, weekly, monthly, etc.) and general upkeep of infrastructure or other asset against normal wear and tear.



Reference Number	Data Item / Term	Definition
952	ROW Alias Right of Way, IROW, Infrastructure Right of Way	Site or location, with defined physical boundaries, used for an infrastructure project.
953	Rubble Concrete	Concrete in which large stones are added to the freshly placed concrete while it is still soft and plastic.
954	Runoff	Surface water of an area of land.
955	Run-off Analysis	Calculation of discharge.
956	Runway	The paved or unpaved surface of an airport used for the landing and take-off of aircraft.
957	Sabo Basic Plan	A plan to prevent the loss of human lives, damage to public and private properties, infrastructure and environment due to sand and stone avalanches which arise from the production and discharge of harmful/debris flow sediment; to achieve conservation of desirable environment and prevention of normal functions of the river flood control, sediment control and water utilization.
958	Safety Device	Guard Rails or Lighting designed to improve road safety for road users, normally positioned at or near points of hazard.
959	Salary Grade	Method for documenting and communicating pay structure.
960	Sand	Particles that pass through a number 4 sieve (4.75 mm), and retained on a number 200 sieve (0.075 mm).
961	SBDs Alias Standard Bidding Documents	Pro-forma bidding documents to be used by the DPWH as template in the procurement of works, consulting services, or goods.
962	Scale	The scope, coverage or degree of work or return period of the proposed project.
963	Schedule	A tabulation or list of information, including times and/or quantities.
964	Schedule of Demolition	A tabulation and time sequence of activities and events in Demolition.
965	Schedule Project By Administration Baseline	A fixed implementation plan used in measuring project by administration progress and performance.
966	Scope of Work	General description of the work to be performed under a particular contract.
967	Scour	Lowering of stream-bed or undermining of foundations by erosive action of flowing water.
968	Scoured Depth	Total depth of water from surface to a scoured bed level.



Reference Number	Data Item / Term	Definition
969	Seal Coat	A thin bituminous treatment of the blotter type to waterproof bituminous surfaces and for non-skid surface.
970	Second-order Station	Station with an accuracy of less than 20 parts per million (2 cm per Km).
971	Sediment Discharge	Transportable sediment carried by water discharge.
972	Sediment Discharge Control Plan	A plan to control the volume and temporary trap the harmful sediment discharge into the sabo facilities and later discharge them safely; and also to control the grain size of sediment discharge.
973	Sediment Discharge Reduction Plan	A plan to reduce sediment runoff by storing harmful runoff sediment in the sabo facilities.
974	Sediment Production Reduction Plan	Meant for reducing the collapse of slope, landslide and erosion of the riverbed and bank due to rainfall, etc., in order to: 1) restore the sediment source from devastation; 2) prevent the occurrence of new devastation; and 3) for reducing the production of harmful sediment.
975	Sediment Runoff Check and Control Dam	A dam constructed for the purpose of checking and controlling sediment runoff.
976	Seepage	The flow of water through soil.
977	Seiche	Raised water level and wave in inland bodies of water, produced by seismic or storm action.
978	Seismic Retrofitting	Modification of existing structures to make them more resistant to seismic activity, ground motion or soil failures due to earthquake.
979	Send	Particles that pass through a number 4 sieve (4.75 mm), and retained on a number 200 sieve (0.075 mm).
980	Separation	Retirement or resignation of an employee.
981	Services	The general support services, such as the repair and maintenance of equipment, hauling, janitorial, security, and related services, essential to the operation of the procuring entity.
982	Settlement	The downward movement of soil, or the downward movement of a foundation.
983	Shear Connector	A welded stud, spiral bar short length steel element that resists shear between components of a composite beam.
984	Shear Strength	The maximum shear stress which a soil can sustain under a given set of conditions.



Reference Number	Data Item / Term	Definition
985	Shear-wave	A type of elastic wave, the S-wave, secondary wave, or shear wave is one of the two main types of elastic body waves.
986	Sheet Piles	A long vertical earth retention and excavation support, steel, vinyl or reinforced concrete, driven into the ground with interlocking edges to form a continuous wall to resist water or earth pressure.
987	Shopping	An alternative method of procurement of goods whereby the Procuring Entity simply requests for the submission of price quotations for readily available off-the-shelf goods to be procured directly from suppliers of known qualifications.
988	Shoulder	The portion of the roadway contiguous with the travelled way for accommodation of stopped vehicles, for emergency use, and for lateral support of base and surface course.
989	Shoulders: Sealed, Asphalt Surfaced and Concrete Shoulders	A sealed shoulder is only rated if it has a width of 0.5m or greater. Defective areas may be potholed, unsuccessfully patched, deformed, faulty or stripped.
990	Shoulders: Unsealed	Provide a hard and safe surface for occasional use by vehicles and to provide for drainage of surface runoff.
991	Shrinkage Limit	The water content corresponding to the transition between a brittle solid and a semi-solid. The water content below which further reduction in water content causes no further reduction in volume.
992	Side Fill	An inclined area or surface where the carriageway has been raised or filled above existing ground level using earth or rock construction.
993	Side Slope	A negatively inclined (sloping downward) area or surface where the carriageway has been raised above existing ground level using earth or rock construction. Negatively inclined means relative to the road surface.
994	Side Wall Revetment	Part of dam which is designed according to geological features of both banks in order to protect said banks from scouring.
995	Sidewalk	Part of the Right-of-Way, usually adjacent to the carriageway that is specifically reserved for pedestrian movement.
996	Sign-Signal	A generic object, display, or system designed and located to convey information or control traffic; and which includes a number of more specialized subtypes.
997	Siltation	The process of the deposition of sediments in water.



Reference Number	Data Item / Term	Definition
998	Similar Category of Works	A kind of works whose classification is considered to be comparable to the major category of works for purposes of evaluation of eligibility for civil works.
999	Simple Span	A separate structure which crosses from one support to the other - at one end by a pin or hinge (fixed bearing) and at the other by a roller (expansion bearing).
1000	Single Groundsel Work	Type of groundsel works constructed normal to the downstream midstream line.
1001	Single Source Procurement Alias Direct Contracting	An alternative method of procurement of goods that does not require elaborate bidding documents. The supplier is simply asked to submit a price quotation or a pro-forma invoice together with the conditions of sale. The offer may be accepted immediately or after some negotiations.
1002	Site Alias Project Site	The lands or places on which the Works are to be executed or carried out and other lands or places provided by the Government for the purposes of the Contract.
1003	Site Area	Extent of a bounded area of concern, expressed in hectares
1004	Skew Angle	Angle between the normal to the centerline of the bridge and the centerline of the abutment or pier cap or deviation of the substructure centerlines and reference lines from the perpendicular lines to the bridge axis.
1005	Slickenside	A form of polish with linear grooves and ridges on the two surfaces of a rock which has undergone relative movement as a result of faulting.
1006	Slippage	The difference between scheduled and actual accomplishments per approved implementation schedule usually indicated in percentage, positive or negative.
1007	Slope	The number that describes both the direction and the inclination or steepness of a line.
1008	Social Impact	A description of the demographic and economic effect of the IROW portion of a project.
1009	Socio-Economic Profiles of PAPs	A summary of demographic, employment, cultural, and resource characteristics of Project Affected Persons.
1010	Special Instruction Signs	Signs that instruct road users to meet certain traffic rule requirements or road condition.
1011	Special Item	A selected Work which contain specific details to distinguish it from any regular work necessary to accomplish or complete for the satisfactory prosecution



Reference Number	Data Item / Term	Definition
		of a project.
1012	Special Provisions	Addition or revision of provisions to the Standard and Supplemental Specifications covering conditions peculiar to the individual project.
1013	Specific Gravity	The ratio of the density of a body or a substance to the mass of an equal volume of water.
1014	Specific Program	A program that does not include a project.
1015	Specification	A description of what the procuring entity requires and what a bidder must offer.
1016	Spillway	A passage for surplus water running over an obstruction such as a dam or an engineered ford across a river or stream.
1017	Spiral Reinforcement	Continuously wound reinforcement in the form of a cylindrical helix.
1018	Splitting of Contracts	The act of dividing or breaking up contracts into smaller quantities and amounts for the purpose of evading or circumventing the requirements of law, especially public bidding.
1019	Spread Footings	Also, isolated footing. A footing designed to support a structural load from a single column. Usually a shallow foundation, and square or circular in shape.
1020	Spur Consolidation Dam	A dam which has a function of checking sediment runoff and is constructed right below a hillside to be protected. Its height should be adequate for preventing erosion.
1021	Spur Dike	A flood control structure to reduce the flow velocity near the bank by directing the flow away from the bank and in order to protect the riverbank from collapse.
1022	Spur Pile Alias Battered Pile, Raking Pile	A pile driven at an inclination to resist force which is not vertical.
1023	Standard	The established and fixed measure used in assessing quality or performance.
1024	Standard Bidding Documents Alias SBDs	Pro-forma bidding documents to be used by the DPWH as template in the procurement of works, consulting services, or goods.
1025	Standard Penetration Resistance Alias N-Value	The number of blows required to drive a split-spoon sampler during a standard penetration test a distance of 12 inches (0.305 m) after the initial penetration of 6 inches (0.15 m).
1026	Statement of Time Elapsed	A document showing the percent of contract calendar days used against the contract duration relative to a specified period, taking into consideration any issued Contract Time Suspension and/or Contract Time



Reference Number	Data Item / Term	Definition
		Extension.
1027	Status of Appointment Alias Employee Type	A term that describes an employee's job status such as Probational, Permanent, Co-Terminus, Temporary, Emergency, Substitute, Casual, Contractual, Elected or Appointed.
1028	Stepped Groundsel Work	Constructed wherein the center of the opening of each groundsel work must be on the downstream midstream line at the center of the opening of the immediate groundsel work.
1029	Stiffener	Secondary plates or sections attached at intervals to the web or flange of a beam to stiffen them against out of plane deformation or buckling.
1030	Stiffness	Susceptibility to distortion or volume change under an applied load.
1031	Stilling Basin	Depression in a channel or reservoir deep enough to reduce the velocity or turbulence of the flow.
1032	Stirrups Alias Ties	Lateral reinforcement formed of individual units, open or closed or continuously wound reinforcement. The term "stirrups" is usually applied to lateral reinforcement.
1033	Stopway	A defined rectangular area on the ground at the end of a runway in the direction of take-off designated and prepared by the airport owner as a suitable area in which aircraft can be stopped in case of an interrupted take-off and landing.
1034	Stormwater Area	A land surface extent that provides for catchment of rainfall and temporary storage of runoff.
1035	Strategic Plan	A mid to long term approach and direction toward realization of vision, mission, and goals.
1036	Strategy	The approach adopted to achieve an objective.
1037	Stream	A fast, voluminous, or violent stream of water.
1038	Stream Bed Inclination	Formed by groundsel work after erosion takes place downstream if the upstream area is stable or if erosion control work is going on in a devastated upstream area.
1039	Street Lighting	Illumination along the highway designed to provide better visibility and safety for road users.
1040	Strike –slip	A type of fault surface which is usually near vertical and the footwall moves either left or right or laterally with very little vertical motion.
1041	Stringers	The stringers span between floor beams and provide the primary support for the deck system.



Reference Number	Data Item / Term	Definition
1042	Structural Foundation	Foundation of a structure which generally serves to transfer the loads from the structure to underlying materials (such as soil or rock) which are known as the foundation material.
1043	Structure	Something that is built such as building, bridge, tower, dam, dike, canal, culvert, wall ,etc. by putting parts together and that usually stands on its own.
1044	Structure Type	An indicator of a specific type of Structure.
1045	Sub-Allotment Advice	A fund release/transfer document issued by the Central Office to the Regional Office/District Office containing the authorization, conditions and amount allotted by program, activity, project (PAP) for specific projects for its funding requirements.
1046	Subbase Course	The layer of specified materials placed between the base and subgrade or beneath a portland cement concrete slab in case of rigid pavement. If the subgrade soil is of adequate quality it may serve as the subbase.
1047	Sub-Contractor	The individual, partnership, firm or corporation, joint venture, association or syndicate having a direct Contract with the Contractor for furnishing services or works under the Contract duly approved by the DPWH.
1048	Subduction	The process that takes place at convergent boundaries by which one tectonic plate moves under another tectonic plate and sinks into the mantle as the plates converge.
1049	Subgrade	The portion of the roadbed prepared as a foundation for the sub-base or surface course.
1050	Subgrade Modulus Alias Modulus of Subgrade Reaction	The ratio between the bearing pressure of a foundation and the corresponding settlement at a given point. The slope of the line in the loading range encountered by the soil in a plate bearing value test.
1051	Subgrade Treatment	Modification of roadbed materials by stabilization.
1052	Submitted Bid Price	The price offer for a particular contract under procurement, as indicated in the financial proposal of the bidder.
1053	Subsidiary Ledger	Financial transaction details supporting entries in the General Ledger.
1054	Substructure	Part of a bridge which supports the superstructure and transfers the loads to the foundation, and includes piers and abutments.
1055	Suitable Material	Material which is acceptable in accordance with the Specifications for use in the Works.



Reference Number	Data Item / Term	Definition
1056	Superelevation	The amount by which the outer edge of a curve or railroad is banked above the inner edge to help offset the centripetal force developed as the vehicle goes around a curve.
1057	Superior-Subordinate Traffic Survey Site	The regime of Superior-Subordinate Survey Sites considers that traffic volume data collection at a given (Superior) Survey Site can be applied to other (Subordinate) Survey Sites. The rationale is that it allows for shorter duration (less costly) traffic volume data collection at the Subordinate Survey Sites.
1058	Superstructure	Part of a bridge which supports traffic or is the riding surface of the bridge and includes deck, slab and girders, parapets and other appurtenances.
1059	Supplemental Bid Bulletin Alias Bid Bulletin, Addendum	A notice issued by the Procuring Entity to Prospective Bidders with respect to any clarifications or modifications in the Bidding Documents, e.g. specifications, eligibility requirements, procurement schedule, and other related matters.
1060	Supplemental Notice	A written additional information, provision and other document issued by the DPWH before the opening of the Bids which are incorporated in the Contract Documents.
1061	Supplemental Specifications	The Specifications adopted subsequent to the publication of the Standard Specifications. They generally involve substantial changes in the approved Specifications. Supplemental Specifications shall prevail over the standard whenever in conflict therewith.
1062	Supply	Consumable resource used in the day-to-day operation of an office or facility.
1063	Surface Course	The top layer of the pavement structure.
1064	Surface Defect	A physical impairment, deficiency, or flaw of the highway and its components.
1065	Surface Type	An indicator of the kind of material used to compose the wearing course of a carriageway.
1066	Survey Baseline	A line with known vertical and horizontal control.
1067	Survey Monument	Any material object or collection of objects which indicates the position on the ground of a survey station or land corner.
1068	Surveyor Name	The proper name of the Geodetic Engineer/ Survey Contractor who performed the Parcellary Survey and research work.
1069	Suspension/Disallowance	The delay/denial of a claim, due to deficiencies.



Reference Number	Data Item / Term	Definition
1070	Sustainable Design	The philosophy of designing physical objects, the built environment and services to substantially comply with the principles of economic, social and ecological sustainability, without compromising natural and other resources that must be bequeathed to future generations.
1071	Swamp Alias Wetlands, Marshes, Bogs	Those areas that are inundated and saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.
1072	Sway Bracing	Secondary structural members spanning between the trusses at interior panel points and provide lateral stability and shear transfer between trusses.
1073	Tagged Structure	A building to which a card with a number has been affixed for identification.
1074	Takeover of Contract	A contract implementation situation where a contract is terminated and the Department assumes responsibility for implementation by Administration or by negotiated contract in accordance with the provisions of RA 9184 and its Implementing Rules and Regulations.
1075	Taking-Over Certificate	Certificate issued to the Contractor, stating the date on which the Work or Section were completed in accordance with the contract, except for any minor outstanding work and defects which will not substantially affect the use of the Works or Section for the intended purpose
1076	Tax Clearance	An authoritative assurance or certification (no objection) that all taxes due on property have been paid.
1077	Tax Declaration for Improvements	The monetary value of improvements on a land parcel, as quoted by a Landowner to a taxing authority for tax purposes.
1078	Tax Declaration on Real Property	The monetary value of a land/improvements as set by the City/Municipal Assessor concerned.
1079	Tax Receipt	An official acknowledgment that funds in payment of taxes have been received by the taxing authority.
1080	Technical Proposal	An offer, consisting of elements outside of the Financial Proposal, from the bidder, related to the works/consulting services/goods to be undertaken/delivered in response to the Bidding Documents, applicable to both regular and design-and-build procurements.
1081	Tectonic	Large-scale processes such as structural or orogenic activity that collectively deform the Earth's crust.



Reference Number	Data Item / Term	Definition
1082	Temporary Appointment	Employment status for a person who meets all the requirements for the position to which he is being appointed except the appropriate civil service eligibility when it becomes necessary in the public interest to fill a vacancy.
1083	Temporary Curbing	Roadwork devices consisting of pre-cast concrete sections, sandbag, and others which, may be used to guide traffic at the construction site.
1084	Temporary Works	Transient structures and facilities used in the execution and completion of the Permanent Works that are usually removed after use.
1085	Tender Alias Bid, Proposal	A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the Bidding Documents.
1086	Tender Documents Alias Bid Documents	Collectively, the invitation to Bid, Instructions to Bidders, Form of Contract Agreement, Conditions of Contract, Drawings/Plans, Specifications and Form of Bid and the required annexes, including Addenda.
1087	Tension Cracks	Cracks appearing at the surface of a soil mass, often adjacent to a retaining wall or top of a failing slope.
1088	Termination of Contract	The dissolution of the Contract upon agreement by the parties for causes not attributable to the fault, act(s) or omissions(s) of the contractor. The parties, in effect, are released from further obligations to each other, after the liquidation, in connection with the undertaking.
1089	Terms and Conditions of Deed	Specific provisions as stipulated in a Deed of Donation, such as reversion back to original owner.
1090	Terrain	A composite of elevation, relief, landform, drainage pattern, and land cover along or within a road corridor.
1091	Third-Order	Station with an accuracy of less than 50 parts per million (5 cm per Km).
1092	Through Bridge	Bridge in which the roadway is carried directly at the bottom-joints with lateral bracing overhead between the top-chord joints, thus, enclosing a space through which the vehicle passes.
1093	Ties Alias Stirrups	Lateral reinforcement formed of individual units, open or closed or continuously wound reinforcement. The term "stirrups" is usually applied to lateral reinforcement.
1094	Time Frame	A period of time for performance and completion of a work activity, with target start/end dates.
1095	Time of Concentration	The period of time for the stormwater or rainwater to flow from the most distant point to the point under consideration.



Reference Number	Data Item / Term	Definition
1096	Time Record	Accrued periods worked by an employee (including leave of absence) as a basis of pay for services rendered.
1097	Title	The legal document conveying title to a property.
1098	Top Lateral Bracing	Brace that lies in the plane of the top chord and provides lateral stability between the two trusses and resistance to wind stress.
1099	Top Soil	Top layer of soil that can support vegetation.
1100	Topographic Plan	A graphic representation of horizontal and vertical positions of an area which uses contour lines to show mountains, valleys, and plains.
1101	Topographic Survey Alias Ground Survey	Collection of data to represent horizontal and vertical positions of an area, including features such as roads, bridges and bodies of water with contours, elevations and coordinates.
1102	Total Cost for Improvement	An amount of money required to acquire constructed components in the IROW.
1103	Total Station	Modern surveying instrument that integrates an electronic theodolite with an electronic distance meter.
1104	Total Stress	The stress acting on or within a soil mass due to surcharges, overlying weight, etc.
1105	Total Width for IROW	The lateral extent of the IROW expressed in meters.
1106	Track Coat	A very thin layer of bitumen to insure a thorough bond between the new pavement and the old asphalt surface.
1107	Tractive Force	The velocity-resisting force or action of riverbed materials.
1108	Traffic Cones	Devices which may be conical in shape or tabular-shaped capable of performing channelization of traffic which may be set on the surface of the roadway or rigidly attached for continued use.
1109	Traffic Demand	Requirement for movement of vehicles on the road network or on transportation corridors.
1110	Traffic Event	A temporary occurrence on the road network involving vehicles, and for which location is significant, with subtypes of accident location, traffic count, and vehicle weight.
1111	Traffic Island	An area with a roadway or between roadways from which vehicular traffic is intended to be excluded.
1112	Traffic Section	A coherent segment of road where the traffic volume by vehicle type can be considered uniform throughout its length.



Reference Number	Data Item / Term	Definition
1113	Traffic Signal	A system of different colored lights, designed to control movement and direction of traffic.
1114	Traffic Signs	Device mounted on a fixed support (permanent signs) or portable support (temporary signs) whereby a specific message is conveyed by means of words or symbols placed or erected for the purpose of regulating, warning or guiding traffic.
1115	Traffic Survey Site	A point location on a road section at which traffic data is collected. It is located at a point where the traffic volume by vehicle type can be considered representative for the Traffic Survey as a whole.
1116	Training Program	Courses or instruction to enable and assist acquisition of skills and abilities.
1117	Transaction	An event that causes an immediate change in the financial resources/obligations of the organization, and that can be measured objectively in monetary terms.
1118	Transfer	A category of employment movement from one position to another which is of equivalent rank, level, or salary without break in service involving the issuance of an appointment.
1119	Transfer Certificate of Title	A document indicating a succeeding ownership of a land parcel-lot, after an original title was issued for a newly registered lot.
1120	Transfer of Allocation	Authority issued by the Central Office to its Regional and/or District Offices to cover cash requirements.
1121	Transfer Tax	A tax levied upon transfer of title to property.
1122	Transportation Assistance	Transport of equipment, upon request of a government entity.
1123	Travel Authorization	Approval for the employee to journey outside the normal place of business.
1124	Travelled Way	The portion of the roadway for the movement of vehicle, exclusive of auxiliary lanes, shoulders, bicycle lanes, parking lanes, and gutters.
1125	Traverse	A method in the field of surveying to establish control networks.
1126	Traverse Line	Lines with known azimuth or angle and distances.
1127	Traverse Survey	A sequence of lengths and directions of lines between points on the earth, obtained by or from field measurements, and used in determining positions of the points.
1128	Treaties	International agreements entered into by the GOP which require legislative ratification after executive



Reference Number	Data Item / Term	Definition
		concurrence.
1129	Tree	A woody plant that usually grows at least six (6) meters in height at maturity, and enduring for several years or more.
1130	Tree Inventory	A list detailing the existing trees, including tree type, within the IROW.
1131	Trial Balance	A list of all the accounts of the general ledger showing their respective debit totals, and credit totals; and providing proof that total debits are equal to total credits.
1132	Triangular Irregular Network	A representation of a surface as a set of contiguous, nonoverlapping triangles. Within each triangle the surface is represented by a plane, where the triangles are made from a set of points called mass points.
1133	Triangulation	The tracing and measurement of a series or network of triangles in order to determine the distances and relative positions of points spread over a territory or region.
1134	Tributary	A stream or other body of water, surface or underground, which contributes its water, either continuously or intermittently, to another and larger stream or body of water
1135	Tributary River	A confluence river usually smaller than the main river.
1136	Trigonometric Leveling	A branch of surveying where the vertical distance between two points is determined by taking the vertical angular observations and the known distances.
1137	Truss Bridge	Bridge when load bearing superstructure is a structure of connected elements forming triangular units and provides high load carrying capacities.
1138	Trust Fund	Fund which accounts for the receipts by any agency of government or by a public officer acting as trustee, agent, or administrator for the fulfillment of some obligations.
1139	Tunnel	Underground or underwater passageway, dug through the surrounding soil/earth/ rock and enclosed except for the entrance and exit which is commonly at each end.
1140	Tunnel Boring Machine	A machine to excavate tunnels with a circular cross section through a variety of soil and rock strata.
1141	Two-Stage Competitive Bidding	Bidding process divided into two phases viz, first technical bids, and second financial bids from the technically qualified bidders.



Reference Number	Data Item / Term	Definition
1142	Type of Work Alias Activity, Work Activity	A work process that contributes to the fulfillment of a program, sub-program or project.
1143	Ultimate Bearing Capacity	The bearing stress which would cause shear failure in the soil below a foundation.
1144	Unconditional Deed of Exchange	An official written instrument conveying real property that has been traded or substituted for another property
1145	Underpass	A passage underneath something, specially a section of road that passes under another road or railroad.
1146	Unit	The type of measurement used to determine a Pay Item in the Bill of Quantities.
1147	Unit Price	The cost of an Item in the Bill of Quantities.
1148	Unit Price Bid	The Bidder's Unit Price for the different Items of work listed in the Bill of Quantities.
1149	Unit Weight	The ratio of the total weight of soil to the total volume of a unit of soil.
1150	Universal or Commercial Banks	Universal or commercial banks duly authorized under R.A. 8791, otherwise known as "The General Banking Act of 2000".
1151	Unmanned Aerial Vehicle Alias Drone	An aircraft without a human pilot aboard.
1152	Unprogrammed Appropriations	Appropriations which provide standby authority to incur additional agency obligations for priority programs or projects when revenue collections exceed targets, or when additional foreign funds are generated.
1153	Updated Land Information	A set of data including Lot Number, land use type, BIR Zonal Value, land price (per sq. m.), and total land cost, for affected lots.
1154	Utility Line	A linear element representing a service facility component or equipment.
1155	Utility Network	An array of linear elements representing a system of service facilities and equipment.
1156	Value Added Tax Code	The tax applied to the Contractor for work carried out.
1157	Value Management	Recognizes that value principles are management tools applicable to a variety of problems only one of which is cost. Internationally, the term has been adopted in preference to Value Analysis or Value Engineering to differentiate the activity from the engineering functions in an organization.
1158	Value Methodology	A systematic process used by a multidisciplinary team to improve the value of a product or project through the engineering of its functions.



Reference Number	Data Item / Term	Definition
1159	Variation Order	An instruction issued by the Implementing Unit to cover any increase/decrease in quantities, including the introduction of new work items that are not included in the original contract or reclassification of work items that are either due to change of plans, design or alignment to suit actual field conditions resulting in disparity between the pre-construction plans used for purposes of bidding and the "as staked plans" or construction drawings prepared after a joint survey by the contractor and the Government after award of the contract. A Variation Order may either be in the form of either a "Change Order" to cover any increase/decrease in quantities of original work items in the contract, or "Extra Work Order" to cover the introduction of new work necessary for the completion, improvement or protection of the project which was not included as items of work in the original contract.
1160	Vegetated Roof Alias Green Roof, Eco Roof, Living Roof	A roof that is either partially or completely covered in vegetation and built on top of a man-made roof, deck roof, deck or other support structure.
1161	Vehicle	Mobile equipment used to carry or transport persons or goods.
1162	Vehicle Operating Cost	The economic cost incurred by vehicles travelling on roads. Grouped into running costs, i.e. part of costs which vary directly with travelling distance, and fixed costs, i.e., part of costs which vary directly with operating time.
1163	Velocity	The rate and direction of change in the position of an object
1164	Vendor Performance	An assessment of the work of a supplier, consultant, or contractor based on the degree of conformance with requirements.
1165	Verge	A road surface that is a strip or linear area along the boundary between a roadway and adjacent land area.
1166	Vertical Alignment	The position or the layout of the highway on the ground which includes level and gradients.
1167	Vertical Control	A series of known elevations on which surveys for contouring is originated and closed.
1168	Vertical Datum	A base measurement point, or set of points, from which all elevations are determined
1169	Vertical Erosion Control Dam	Prevents vertical erosion and inhibits sediment production and it is constructed immediately downstream.



Reference Number	Data Item / Term	Definition
1170	Vertical Gardens Alias Green Wall, Biowalls, Ecowalls	A wall or similar vertical support/element that may be either free-standing or attached to an existing wall, and that may be partially, substantially or fully covered with vegetative cover.
1171	Vertical Sight Distance	A measure in meters of extent of clear, unobstructed view ahead (up and down) along a highway for a driver of a vehicle. In this case, vertical means up and down relative to the horizontal axis.
1172	Vertical Wall	Designed with wing and located at right angles of the downstream direction.
1173	Void Ratio	The ratio of the volume of voids to the volume of solids (soil grains).
1174	Volume of Solids	Volume of soil grains in a total soil volume.
1175	Volume of Voids	Volume of air space in a total soil volume.
1176	Volume to Capacity Ratio	The parameter used to measure the level of service of a given road section in both directions during one hour under prevailing road and traffic conditions. This is the ratio of the hourly design traffic volume in PCU over the basic hourly capacity in passenger car units (BHCC) of a given road section. This is one of the criteria used in the KPI analysis.
1177	Warning Signs	Warn road users of condition on or adjacent to the road that may be unexpected or hazardous.
1178	Warranty Security	The financial instrument submitted by the contractor/supplier/LGU concerned in the form of cash, letter of credit, bank guarantees, surety bond callable on demand, to guarantee against structural defects/failures in the case of works, or against manufacturing defects in the case of goods, during the applicable warranty period after project acceptance.
1179	Water Body Easement	A restriction placed on land by the National Water Resources Board, to facilitate land use for waterway and drainage purposes.
1180	Water Content Alias Natural Moisture Content	The ratio between the mass of water and the mass of soil solids.
1181	Water Depth of Annual Maximum Flood	Floodwater depth of a river in an average 1 to 2 year return period.
1182	Water Stop	Part of a dam which prevents leakage from expansion joints. It is a corrugated central valve type with a depth of 0.5m along the upstream slope.



Reference Number	Data Item / Term	Definition
1183	Water Table	The level in a body of soil at which the hydrostatic water pressure is zero.
1184	Watershed Alias Catchment Area, Catchment Basin, Drainage Basin, River Basin	The area from which a lake, stream or waterway receives surface water which originates as precipitation.
1185	Waterway	General term denoting a river, stream and other similar tributary area.
1186	Wave Height	The height of the wave from the wave top, called the wave crest to the bottom of the wave, called the wave trough.
1187	Wave Runup	The maximum vertical extent of wave uprush on a beach or structure above the still water level (SWL).
1188	Wearing Course	The uppermost layer of asphalt placed on a finished concrete to protect the concrete and provide a smooth riding surface.
1189	Weep Hole	An opening provided during construction in retaining walls, aprons, canal linings, foundation, etc., to permit drainage of water collecting behind and beneath such structures to reduce hydrostatic head.
1190	Weir	A low dam built across a river to raise the level of water upstream or regulate its flow.
1191	Wetlands Alias Swamp, Marshes, Bogs	Those areas that are inundated and saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.
1192	Widening	A grouping of types of work that associated with the expansion of the carriageway for a road (e.g. an additional lane km) and for a bridge (e.g. additional sqm) to add capacity or enhance safety. This does not include the widening of a lane (Additional Lane Width) or shoulders.
1193	Wingwall	A vertical wall located at both ends of the coping of the abutment or at both extreme wall of a reinforced concrete box culvert.
1194	Work Activity Alias Activity, Type of Work,	A work process that contributes to the fulfillment of a program, sub-program or project.
1195	Work Definition	The detailed outline, design, life cycle tracking and scheduling of a program or project.
1196	Work Item	Procurement item comprehensively defined in the bid documents, with separate pricing for payment.



Reference Number	Data Item / Term	Definition
1197	Work Location	The actual site of the work/s expressed in either kilometer stationing or chainages, Road Section ID, Bridge ID or coordinates.
1198	Work Resumption Order	A written order issued by the DPWH Project Engineer/Engineer's Representative and approved by the concerned Head of the Implementing Office to the Contractor to resume construction operation covered by a previous Work Suspension Order, after the cause of or reason for the work suspension has been resolved.
1199	Work Suspension Order	A written order issued by the DPWH Project Engineer/Engineer's Representative and approved by the concerned authorized DPWH officials to the Contractor to suspend the contract work wholly or partly for such period as may be deemed necessary.
1200	Work Unit	An increment or amount of effort performed to complete a program, project, or activity.
1201	Working Day	Any day except Sundays and official holidays, when, in the opinion of the Engineers, soil and weather conditions are such as would permit the Contractor to work on his current controlling operation for a period of not less than five (5) continuous hours between sunrise and sunset. A controlling operation is meant as an Operation of either major or minor proportions, which at the particular time under consideration has a controlling effect on the progress of the project as a whole.
1202	Works Alias Civil Works, Infrastructure Project, Capital Outlay Project, Capital Project	Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings and other related construction project of the government. To be classified as a capital outlay project, the works must extend the life of the asset by more than 1 year.
1203	Worth of Basic Function	An estimate of the least expensive way of performing a function, neglecting the actual application of that function.
1204	Writ of Possession	An order of a court to the Implementing Agency to take possession of a property and start project implantation.
1205	Year of Work	Indicates when the work activity (civil works) is to begin relatively to the Project's initiation, which starts with pre-construction activities.



Reference Number	Data Item / Term	Definition
1206	Yield Point	The point at which the soil loading behavior changes from elastic to inelastic.
1207	Yield Stress	The stress at which the swelling-recompression line joins the normal compression line.
1208	Zenith Angle	The angle between a point of interest and the zenith, which is the point directly overhead.
1209	Zero Air Voids Curve	The curve created by plotting dry densities of soils corresponding to saturation at each water content.
1210	Zero-order Station	Station with an accuracy of less than 10 parts per million with a nominal spacing of approximately 100 kilometers between GCPs of the network.