

**APPENDIX B**  
***GLOSSARY OF TERMS AND ACRONYMS***

### Glossary of Terms and Acronyms

<b>Term/Acronym</b>	<b>Definition or Description</b>
2D	Two Dimensional
3D	Three Dimensional
AASHTO	American Association of State Highway and Transportation Officials
AC	Asphalt Concrete
ALN	Caltrans CTDC alignment file
ArcSDE	Arc Spatial Data Engine
ArcGIS	The name of a group of geographic information system software product line produced by ESRI
ASCII	American Standard Code for Information Interchange, a standard code consisting of 128 7-bit combinations, for characters stored in a computer or to be transmitted between computers
BC	Beginning of Curve
BVC	Beginning of Vertical Curve
C++	A general purpose programming language
CAD	Computer Aided Drafting
CADD	Computer Aided Design and Drafting
Caltrans	California Department of Transportation
CCS	California Coordinate System
CIFS	Common Internet File Sharing (Windows Networking)
CL	Center Line
COGO	Coordinate Geometry
COTS	Commercial Off the Shelf
CP	Catch Point
CR5	Tripod Data Systems (TDS) data file
CTDC	Caltrans Data Collection
DC	Trimble's Survey Controller Data Format
DD input	Decimal Degree
DDM	Digital Design Modeling
DEM	Digital Elevation Model
DGN	MicroStation's File Format
DGS	California Department of General Services
DGS PO	Department of General Services Procurement Official
DLL	Dynamic Link Library
DMS	Degree Minute Seconds
DPAC IT-AS	Division of Procurement and Contracts IT Acquisitions Specialist
DTM	Digital Terrain Model
DWF	Design Web Format
DWG	AutoCAD File Format

<b>Term/Acronym</b>	<b>Definition or Description</b>
EAR	CAiCE's filename extension for cross sections. "EndARea"
EC	End of Curve
EGL	Energy Grade Line
EP	Edge of Pavement
ES	Edge of Shoulder
ESA's	Environmentally Sensitive Areas
ETW	Edge of Travelled Way
EVC	End of Vertical Curve
Excel	Microsoft's Excel
FHWA	Federal Highway Administration
GIS	Geographic Information System
GPS	Global Positioning System
HA	Horizontal Alignment
HA#	A CAiCE format for storing horizontal alignment information
HDS No. 5	FHWA's Hydraulic Design Series Number 5 is for the use of Hydraulic Design of Highway Culverts
HEC No. 22	FHWA's Hydraulic Engineering Circular Number 22 (Urban Drainage Design manual)
HGL	Hydraulic Grade Line
HP	Hinge Point
HQ	Headquarters
IRWS	Integrated Right of Way System
IDF	Intensity Duration Frequency
IT	Information Technology
JGW	Map file
JPG	A commonly used method of compression for photographic images. It got it's name from the Joint Photographic Experts Group
KCM	A file created in CAiCE's database explorer. This is actually a Microsoft access database file with an extension of .kcm. The KCM file can be used to transfer data from one Visual CAD project to another, and can then be used to export data to Access, use Access as a data editor, then import the data back into Visual CAD
KCP	The "CAiCE Project File" is an ASCII file that can be used to transfer all types of geometry elements between projects
legacy data	data pertaining to older computer hardware, software or data
LISP	List Processing Language
Lt	Left

<b>Term/Acronym</b>	<b>Definition or Description</b>
mass-haul diagrams	Plots of the cumulative volumes of cut and fill along an alignment
MDL	MicroStation Development Language
Mean Sea Level	The average (mean) height of the sea, with reference to a suitable reference surface.
N-E-Z	Northing - Easting - Elevation
NFS	Network File Sharing (UNIX)
OG	Original Ground
OoCEGS	Office of CADD & Engineering GIS Support
PC	Point on the Curve
PDF	Adobe's Portable Document Format
PI	Point of Intersection
PRO	A CAiCE format file
PT	Point of Tangency
R/W	Right of Way
RAW	Tripod Data Systems (TDS) raw file
RD5	Tripod Data Systems (TDS) template file
RDS	Roadway Design Software
RPN	Reverse Polish Notation
Rt	Right
RW5	Tripod Data Systems (TDS) raw field measurements file
SCS Method	Soil Conservation Service Method determines the unit hydrograph which provides an easy method for estimating stream discharge
SDO	Spatial Data Option
SID	System Identifier
SMB	Server Message Block (Windows Networking)
SRV	Visual CAD Survey file is an ASCII file for storing survey points and chains
StarNet DAT files	A StarNet Raw Data Format
TFW	Arcview world file for a tif image
TIF	Tagged Image File Format
TIN	Triangulated Irregular Network
TP5	A File Format suitable for Machine Guidance
TSS	Caltrans reduced data format
TTM	Trimble's surface data format
UNC	Universal Naming Conventions (Windows)
VA	Vertical Alignment
VB.NET	Visual Basic .NET is an object-oriented computer language
VBA	Visual Basic for Applications
VPI	Vertical Point of Intersection

## Appendix B – Glossary of Terms and Acronyms

<b>Term/Acronym</b>	<b>Definition or Description</b>
Word	Microsoft's Word
XML	Extensible Markup Language
XY#	A CAiCE format for storing DTM information