



GEOSOFT TECHNICAL SUPPORT

Best Software Solution from Geotechnical Specialist

GeoSmart II

-----All you need in your Soil Investigation Works

GeoSmart II is a powerful software tool for all the ground investigation workings. The software is user-friendly with powerful functions on all the soil investigation reporting works such as soil borelog and soil cross section drawing, report summary, invoice tool and AGS transport tool.

Data Entry:

✚ Data Input in an Excel file. Easy input following the title of the column.

✚ One project for one file, one sheet for one borehole. And it is also easy to shear the data by copy and paste the sheets between the data files.

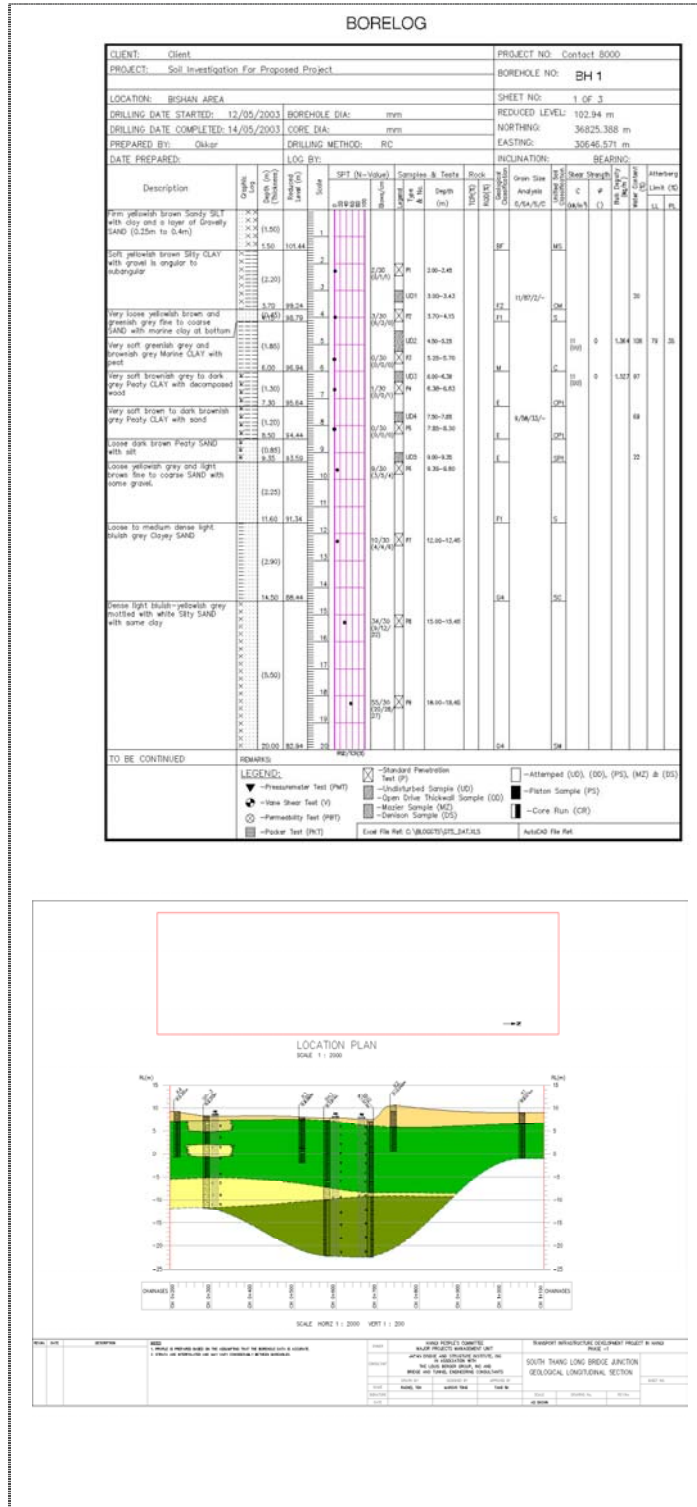
✚ The data file is a normal Excel file which can be copied to any PC to do the data input without any software license.

Data Sheet for Borelog & Cross Section									
CLIENT		SPT/WG RESULTS				SPT DETAILS			
Consultant	Client	SPT No	Depth to Top of Test	Weathering Grade (WG)	1st 75mm (Seating)	2nd 75mm (Seating)	1st 75mm (Test)	2nd 75mm (Test)	
Project	Soil Investigation P		(m)		No. Of Blows	Penetrat on (mm)	No. Of Blows	Penetrat on (mm)	No. Of Blows
Project No.	Contact 8000	P1	2		0	75	0	75	0
Location	BISHAN AREA	P2	3.7		2	75	4	75	2
BH No.	BH1	P3	5.25		0	75	0	75	0
Northing (m)	30646.571	P4	6.30		0	75	0	75	0
Easting (m)	36825.388	P5	7.85		0	75	0	75	0
G Elevation (m)	102.940	P6	9.35		1	75	2	75	3
Drilling start:	12-May-03	P7	12		2	75	2	75	2
Drilling completed:	14-May-03	P8	15		4	75	5	75	6
Borehole Dia(mm):		P9	18		9	75	11	75	15
Corehole Dia(mm):		P10	21		10	75	15	75	17
Hole Type:	RC	P11	23		20	75	5	15	24
Rig type No:		P12	25		8	75	11	75	15
Drilled by:	LE	P13	28		13	75	12	75	18
Inclination:		P14	31		10	75	15	75	17
Bearing:		P15							
Logged by:	Okkar	P16							
Checked by:									



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Borelog And Cross section Function:

Automatic draw the borehole log in AutoCAD file by one click on the GeoSmart II menu. Save and print the file for report use directly.

Automatically create the soil cross section based on same data file. The cross section include soil logs and CPT logs and present in more than 10 layers in AutoCAD drawings. On and off any layers can show the different presentation of the cross section.

Provide AutoCAD hatch pattern for soil and rocks based on BS standard.

The output file is a normal AutoCAD file, which can be, edit and plotted to many different file type (.DWG, .DXF, .JPG, .PNG, .DWF...)



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Summary Function:

- ✚ Provide summaries of project data based on the data input, the summaries can be used as invoice information of report directly.
- ✚ Summary of Borehole Drilling, Field sampling, field-testing.
- ✚ Summary of Lab Test Result or Lab Test Quantities.
- ✚ Summaries in Excel data file also, can be printed out directly.

TABLE 1

SUMMARY OF BOREHOLE DRILLING, FIELD SAMPLING, FIELD TESTING & INSTRUMENT INSTALLATION																	
Project No : Contact 8000				Project : Soil Investigation For Proposed Project													
BH No.	Soil Drilling (m)	Rock Coring (m)	Terminated Depth (m)	Field Sampling						Field Testing				Instrument Installation			
				D (no.)	UD (no.)	OD (no.)	PS (no.)	MZ (no.)	DS (no.)	SPT (no.)	V (no.)	PMT (no.)	PBT (no.)	PKT (no.)	WSP (m)	CP (m)	PP (m)
BH 1	31.34	0.00	31.34	-	5	-	-	-	-	-	14	-	-	-	-	-	-
BH 2	36.72	0.00	36.72	-	5	-	-	-	-	-	18	-	-	-	-	-	-
BH 3	37.35	0.00	37.35	-	5	-	-	-	-	-	16	-	-	-	-	-	-
BH 4	12.04	9.46	21.50	-	-	-	-	-	-	-	6	1	-	1	3	-	-
BH 5	10.00	0.00	10.00	-	1	-	-	-	-	-	-	-	-	-	-	-	-
BH 6	9.50	0.00	9.50	-	-	-	-	-	-	-	3	1	-	-	-	-	-

KEY:
D - Disturbed Sample SPT - Standard Penetration Test WSP - Water Standpipe
UD - Undisturbed Sample (Thin Wall) V - Field Vane Shear Test CP - Casagrande Piezometer
OD - Undisturbed Sample (Thick Wall) PMT - Pressuremeter Test PP - Pneumatic Piezometer
PS - Piston Sample
MZ - Mazier Sample PBT - Permeability Test I - Inclinator
DS - Denison Sample PKT - Packer Test
WS - Water Sample

Smart AGS Transport Tool

- ✚ Transfer data from GeoSmart Excel data file to AGS Excel data file.
- ✚ Transfer data from AGS Excel data file to AGS format file.
- ✚ Load relative data from AGS format file to GeoSmart II data sheet.
- ✚ Open environment in AGS Excel file for user to add unlimited AGS group or user define AGS group.
- ✚ Transport data between GeoSmart data sheet to KeyAGS Excel data File.