ภาคผนวก ก.

ตารางแสดงผลการวิเคราะห์

ตารางที่ ก.1 Terzaghi Ultimate Bearing Capacity for B = 1 m, L = 1 m, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	9.1	10.9	12.7	14.5	16.3	18.1	10.8	13.0	15.2	17.4	19.5	21.7	12.6	15.2	17.7	20.2	22.7	25.3
28	11.6	14.0	16.3	18.6	21.0	23.3	13.9	16.6	19.4	22.2	25.0	27.7	16.1	19.3	22.5	25.8	29.0	32.2
30	15.1	18.1	21.1	24.1	27.1	30.1	17.9	21.4	25.0	28.6	32.2	35.7	20.7	24.8	28.9	33.1	37.2	41.3
32	20.2	24.3	28.3	32.4	36.4	40.5	23.8	28.6	33.3	38.1	42.8	47.6	27.4	32.8	38.3	43.8	49.3	54.7
35	29.8	35.8	41.7	47.7	53.6	59.6	35.0	42.0	49.0	56.0	63.0	70.0	40.2	48.2	56.2	64.3	72.3	80.3
38	46.5	55.8	65.1	74.4	83.7	93.0	54.2	65.0	75.9	86.7	97.5	108.4	61.9	74.3	86.6	99.0	111.4	123.8
40	63.7	76.4	89.2	101.9	114.7	127.4	73.9	88.6	103.4	118.2	132.9	147.7	84.0	100.8	117.6	134.4	151.2	168.0

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	16.2	19.4	22.6	25.9	29.1	32.4	19.7	23.7	27.6	31.6	35.5	39.5	23.3	27.9	32.6	37.3	41.9	46.6
28	20.6	24.7	28.8	32.9	37.0	41.1	25.0	30.0	35.0	40.0	45.0	50.0	29.5	35.3	41.2	47.1	53.0	58.9
30	26.3	31.5	36.8	42.1	47.3	52.6	31.9	38.3	44.7	51.0	57.4	63.8	37.5	45.0	52.5	60.0	67.5	75.0
32	34.5	41.4	48.3	55.2	62.1	69.0	41.6	49.9	58.3	66.6	74.9	83.2	48.8	58.5	68.3	78.0	87.8	97.5
35	50.5	60.6	70.7	80.8	90.9	101.0	60.9	73.1	85.2	97.4	109.6	121.8	71.2	85.5	99.7	114.0	128.2	142.5
38	77.3	92.7	108.2	123.6	139.1	154.5	92.7	111.2	129.7	148.3	166.8	185.3	108.0	129.7	151.3	172.9	194.5	216.1
40	104.3	125.2	146.1	166.9	187.8	208.7	124.6	149.6	174.5	199.4	224.4	249.3	145.0	174.0	203.0	231.9	260.9	289.9

ตารางที่ ก.2 Terzaghi Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	22.6	27.2	31.7	36.2	40.7	45.3	26.6	31.9	37.3	42.6	47.9	53.2	30.6	36.7	42.9	49.0	55.1	61.2
28	29.3	35.1	41.0	46.9	52.7	58.6	34.3	41.2	48.0	54.9	61.7	68.6	39.3	47.2	55.0	62.9	70.7	78.6
30	38.2	45.8	53.5	61.1	68.7	76.4	44.5	53.4	62.3	71.2	80.1	89.0	50.8	61.0	71.1	81.3	91.5	101.6
32	52.2	62.7	73.1	83.6	94.0	104.5	60.3	72.3	84.4	96.4	108.5	120.5	68.3	81.9	95.6	109.3	122.9	136.6
35	77.3	92.7	108.2	123.6	139.1	154.5	88.9	106.7	124.5	142.3	160.1	177.9	100.6	120.7	140.8	160.9	181.0	201.2
38	122.3	146.8	171.2	195.7	220.1	244.6	139.6	167.5	195.5	223.4	251.3	279.2	156.9	188.3	219.7	251.1	282.5	313.9
40	169.3	203.1	237.0	270.8	304.7	338.5	192.1	230.5	269.0	307.4	345.8	384.2	215.0	258.0	301.0	344.0	387.0	430.0

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	38.6	46.3	54.1	61.8	69.5	77.2	46.6	55.9	65.3	74.6	83.9	93.2	54.6	65.5	76.4	87.4	98.3	109.2
28	49.3	59.2	69.0	78.9	88.8	98.6	59.3	71.2	83.1	94.9	106.8	118.7	69.4	83.2	97.1	111.0	124.8	138.7
30	63.4	76.1	88.8	101.5	114.2	126.9	76.1	91.3	106.5	121.7	136.9	152.2	88.7	106.5	124.2	141.9	159.7	177.4
32	84.3	101.2	118.1	134.9	151.8	168.7	100.4	120.4	140.5	160.6	180.7	200.7	116.4	139.7	163.0	186.3	209.6	232.8
35	123.9	148.7	173.4	198.2	223.0	247.8	147.2	176.6	206.1	235.5	265.0	294.4	170.5	204.6	238.7	272.8	306.9	341.0
38	191.5	229.9	268.2	306.5	344.8	383.1	226.2	271.4	316.6	361.9	407.1	452.3	260.8	313.0	365.1	417.3	469.4	521.6
40	260.7	312.8	365.0	417.1	469.2	521.4	306.4	367.7	429.0	490.2	551.5	612.8	352.1	422.5	493.0	563.4	633.8	704.2

ตารางที่ ก.3 Terzaghi Ultimate Bearing Capacity for B = 2 m, L = 2 m, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	44.2	53.0	61.8	70.7	79.5	88.3	51.3	61.5	71.8	82.0	92.3	102.5	58.4	70.0	81.7	93.4	105.1	116.7
28	57.5	69.0	80.6	92.1	103.6	115.1	66.4	79.7	93.0	106.3	119.6	132.9	75.4	90.4	105.5	120.6	135.6	150.7
30	75.5	90.6	105.7	120.8	136.0	151.1	86.8	104.1	121.5	138.8	156.2	173.5	98.0	117.6	137.2	156.8	176.4	196.0
32	104.8	125.8	146.8	167.7	188.7	209.7	119.1	142.9	166.7	190.5	214.4	238.2	133.4	160.0	186.7	213.4	240.0	266.7
35	155.5	186.6	217.8	248.9	280.0	311.1	176.3	211.5	246.8	282.0	317.3	352.5	197.0	236.4	275.8	315.2	354.6	394.0
38	248.9	298.7	348.4	398.2	448.0	497.8	279.7	335.6	391.5	447.4	503.4	559.3	310.4	372.5	434.6	496.7	558.8	620.9
40	347.0	416.4	485.9	555.3	624.7	694.1	387.7	465.2	542.7	620.3	697.8	775.3	428.3	514.0	599.6	685.3	771.0	856.6

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	72.6	87.1	101.6	116.1	130.7	145.2	86.8	104.2	121.5	138.9	156.2	173.6	101.0	121.2	141.4	161.6	181.8	202.0
28	93.2	111.8	130.4	149.1	167.7	186.3	111.0	133.2	155.4	177.6	199.7	221.9	128.8	154.5	180.3	206.0	231.8	257.6
30	120.4	144.5	168.6	192.7	216.8	240.9	142.9	171.5	200.1	228.7	257.2	285.8	165.4	198.4	231.5	264.6	297.7	330.7
32	161.9	194.2	226.6	259.0	291.4	323.7	190.4	228.5	266.5	304.6	342.7	380.8	218.9	262.7	306.5	350.3	394.0	437.8
35	238.4	286.1	333.8	381.5	429.1	476.8	279.9	335.8	391.8	447.8	503.7	559.7	321.3	385.6	449.8	514.1	578.3	642.6
38	372.0	446.4	520.8	595.2	669.6	744.0	433.5	520.2	606.9	693.6	780.3	867.1	495.1	594.1	693.1	792.1	891.1	990.2
40	509.6	611.5	713.4	815.3	917.2	1019.2	590.8	709.0	827.2	945.4	1063.5	1181.7	672.1	806.5	941.0	1075.4	1209.8	1344.2

ตารางที่ ก.4 Terzaghi Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	75.2	90.2	105.2	120.3	135.3	150.3	86.3	103.5	120.8	138.0	155.3	172.5	97.4	116.8	136.3	155.8	175.2	194.7
28	98.5	118.2	137.9	157.6	177.2	196.9	112.4	134.9	157.3	179.8	202.3	224.8	126.3	151.6	176.8	202.1	227.3	252.6
30	130.0	156.0	182.0	208.0	233.9	259.9	147.5	177.0	206.5	236.0	265.5	295.0	165.1	198.1	231.1	264.1	297.1	330.1
32	182.5	219.0	255.5	292.0	328.4	364.9	204.8	245.7	286.7	327.6	368.6	409.5	227.0	272.4	317.8	363.3	408.7	454.1
35	271.4	325.7	380.0	434.3	488.5	542.8	303.8	364.5	425.3	486.1	546.8	607.6	336.2	403.4	470.6	537.9	605.1	672.3
38	438.0	525.6	613.2	700.8	788.4	876.0	486.1	583.3	680.5	777.7	875.0	972.2	534.2	641.0	747.8	854.7	961.5	1068.3
40	614.3	737.2	860.0	982.9	1105.8	1228.6	677.8	813.4	948.9	1084.5	1220.0	1355.6	741.3	889.6	1037.8	1186.1	1334.3	1482.6

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	119.6	143.5	167.4	191.3	215.2	239.1	141.8	170.1	198.5	226.8	255.2	283.5	164.0	196.8	229.6	262.4	295.1	327.9
28	154.1	185.0	215.8	246.6	277.4	308.3	182.0	218.3	254.7	291.1	327.5	363.9	209.8	251.7	293.7	335.7	377.6	419.6
30	200.2	240.2	280.2	320.3	360.3	400.3	235.3	282.3	329.4	376.4	423.5	470.5	270.3	324.4	378.5	432.6	486.6	540.7
32	271.6	325.9	380.2	434.6	488.9	543.2	316.2	379.4	442.6	505.9	569.1	632.3	360.7	432.9	505.0	577.2	649.3	721.4
35	400.9	481.1	561.3	641.5	721.6	801.8	465.7	558.8	651.9	745.1	838.2	931.3	530.4	636.5	742.6	848.7	954.7	1060.8
38	630.3	756.4	882.5	1008.6	1134.6	1260.7	726.5	871.8	1017.1	1162.4	1307.7	1453.0	822.7	987.2	1151.8	1316.3	1480.8	1645.4
40	868.3	1041.9	1215.6	1389.3	1562.9	1736.6	995.3	1194.3	1393.4	1592.4	1791.5	1990.5	1122.3	1346.7	1571.2	1795.6	2020.1	2244.5

ตารางที่ ก.5 General Ultimate Bearing Capacity for B = 1 m, L = 1 m, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	13.4	16.1	18.8	21.5	24.1	26.8	15.9	19.1	22.3	25.5	28.7	31.9	19.1	22.9	26.7	30.6	34.4	38.2
28	17.2	20.6	24.0	27.4	30.9	34.3	20.4	24.5	28.5	32.6	36.7	40.8	24.4	29.3	34.1	39.0	43.9	48.8
30	22.1	26.5	30.9	35.3	39.7	44.1	26.2	31.4	36.7	41.9	47.1	52.4	31.3	37.6	43.8	50.1	56.3	62.6
32	28.6	34.3	40.0	45.7	51.4	57.1	33.9	40.7	47.5	54.2	61.0	67.8	40.4	48.5	56.6	64.7	72.8	80.9
35	42.7	51.3	59.8	68.4	76.9	85.4	50.7	60.8	70.9	81.1	91.2	101.3	60.3	72.4	84.4	96.5	108.5	120.6
38	65.3	78.4	91.5	104.5	117.6	130.7	77.4	92.9	108.4	123.9	139.4	154.9	91.9	110.3	128.7	147.0	165.4	183.8
40	88.1	105.7	123.3	140.9	158.6	176.2	104.4	125.2	146.1	167.0	187.9	208.7	123.6	148.3	173.0	197.8	222.5	247.2

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	25.5	30.6	35.7	40.8	45.9	51.0	32.0	38.4	44.8	51.2	57.6	64.0	38.5	46.2	53.9	61.6	69.3	77.0
28	32.5	39.0	45.5	52.0	58.5	65.1	40.7	48.9	57.0	65.2	73.3	81.5	49.0	58.8	68.6	78.4	88.1	97.9
30	41.7	50.0	58.3	66.7	75.0	83.3	52.1	62.5	72.9	83.4	93.8	104.2	62.6	75.1	87.6	100.1	112.7	125.2
32	53.7	64.5	75.2	85.9	96.7	107.4	67.1	80.5	93.9	107.3	120.8	134.2	80.5	96.6	112.7	128.8	144.9	161.0
35	79.8	95.7	111.7	127.7	143.6	159.6	99.4	119.3	139.2	159.1	179.0	198.9	119.1	143.0	166.8	190.6	214.5	238.3
38	121.1	145.4	169.6	193.8	218.0	242.3	150.6	180.7	210.8	240.9	271.1	301.2	180.1	216.2	252.2	288.2	324.2	360.3
40	162.5	195.0	227.5	260.0	292.5	324.9	201.6	241.9	282.3	322.6	362.9	403.2	240.9	289.1	337.2	385.4	433.6	481.8

ตารางที่ ก.6 General Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	30.3	36.3	42.4	48.4	54.5	60.5	37.5	45.0	52.5	60.0	67.5	75.0	45.3	54.3	63.4	72.4	81.5	90.5
28	38.9	46.7	54.4	62.2	70.0	77.8	48.1	57.7	67.3	76.9	86.5	96.2	57.9	69.5	81.1	92.6	104.2	115.8
30	50.3	60.3	70.4	80.4	90.5	100.5	62.0	74.4	86.8	99.2	111.6	123.9	74.5	89.3	104.2	119.1	134.0	148.9
32	65.5	78.6	91.7	104.8	117.9	130.9	80.5	96.5	112.6	128.7	144.8	160.9	96.4	115.7	135.0	154.3	173.5	192.8
35	98.8	118.6	138.4	158.1	177.9	197.6	120.8	145.0	169.2	193.3	217.5	241.7	144.2	173.0	201.9	230.7	259.5	288.4
38	152.6	183.2	213.7	244.2	274.8	305.3	185.6	222.8	259.9	297.0	334.2	371.3	220.5	264.6	308.7	352.8	397.0	441.1
40	207.2	248.6	290.1	331.5	372.9	414.4	251.1	301.3	351.5	401.7	451.9	502.1	297.3	356.8	416.2	475.7	535.1	594.6

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	57.3	68.8	80.3	91.7	103.2	114.7	71.7	86.0	100.3	114.6	129.0	143.3	86.1	103.3	120.6	137.8	155.0	172.2
28	73.3	87.9	102.6	117.2	131.9	146.5	91.4	109.7	128.0	146.3	164.6	182.9	109.8	131.7	153.7	175.6	197.6	219.6
30	94.1	112.9	131.8	150.6	169.4	188.2	117.2	140.7	164.1	187.6	211.0	234.5	140.6	168.7	196.8	225.0	253.1	281.2
32	121.7	146.1	170.4	194.8	219.1	243.5	151.4	181.6	211.9	242.2	272.5	302.7	181.3	217.5	253.8	290.1	326.3	362.6
35	181.8	218.1	254.5	290.9	327.2	363.6	225.3	270.4	315.5	360.5	405.6	450.7	269.3	323.1	377.0	430.8	484.7	538.5
38	277.6	333.1	388.6	444.1	499.6	555.2	342.9	411.5	480.1	548.7	617.3	685.9	408.8	490.6	572.4	654.1	735.9	817.7
40	373.8	448.6	523.3	598.1	672.8	747.6	460.7	552.9	645.0	737.2	829.3	921.5	548.4	658.0	767.7	877.4	987.0	1096.7

ตารางที่ ก.7 Geaneral Ultimate Bearing Capacity for B = 2 m, L = 2 m, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	55.7	66.9	78.0	89.2	100.3	111.5	67.6	81.1	94.6	108.2	121.7	135.2	80.1	96.2	112.2	128.2	144.3	160.3
28	71.9	86.3	100.7	115.0	129.4	143.8	87.0	104.4	121.8	139.2	156.6	174.0	102.9	123.5	144.0	164.6	185.2	205.8
30	93.3	112.0	130.6	149.3	167.9	186.6	112.5	135.0	157.5	180.0	202.6	225.1	132.8	159.4	185.9	212.5	239.0	265.6
32	122.0	146.4	170.8	195.2	219.6	244.0	146.7	176.0	205.3	234.7	264.0	293.4	172.7	207.2	241.7	276.3	310.8	345.3
35	185.3	222.3	259.4	296.5	333.5	370.6	221.7	266.0	310.4	354.7	399.1	443.4	259.9	311.9	363.9	415.9	467.9	519.9
38	288.1	345.7	403.3	460.9	518.5	576.1	343.0	411.6	480.2	548.7	617.3	685.9	400.4	480.5	560.5	640.6	720.7	800.8
40	392.7	471.3	549.8	628.3	706.9	785.4	466.0	559.2	652.4	745.6	838.8	931.9	542.4	650.9	759.3	867.8	976.3	1084.8

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	107.3	128.7	150.2	171.6	193.1	214.5	127.5	153.0	178.5	204.0	229.5	255.0	152.8	183.4	213.9	244.5	275.1	305.6
28	137.2	164.7	192.1	219.6	247.0	274.5	163.0	195.6	228.2	260.9	293.5	326.1	195.1	234.2	273.2	312.2	351.2	390.3
30	176.5	211.8	247.1	282.4	317.7	353.0	209.5	251.4	293.3	335.3	377.2	419.1	250.4	300.5	350.6	400.7	450.8	500.8
32	228.5	274.2	319.9	365.6	411.4	457.1	271.2	325.4	379.7	433.9	488.1	542.4	323.6	388.3	453.0	517.7	582.5	647.2
35	341.8	410.1	478.5	546.8	615.2	683.5	405.3	486.4	567.4	648.5	729.6	810.6	482.4	578.8	675.3	771.8	868.2	964.7
38	522.7	627.3	731.8	836.4	940.9	1045.5	619.6	743.5	867.4	991.3	1115.2	1239.1	735.2	882.3	1029.3	1176.3	1323.4	1470.4
40	704.7	845.6	986.6	1127.5	1268.5	1409.4	834.9	1001.9	1168.9	1335.9	1502.9	1669.8	988.8	1186.6	1384.3	1582.1	1779.8	1977.6

ตารางที่ ก.8 General Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	91.3	109.5	127.8	146.0	164.3	182.5	108.9	130.6	152.4	174.2	195.9	217.7	127.3	152.7	178.2	203.7	229.1	254.6
28	118.1	141.7	165.3	188.9	212.5	236.2	140.4	168.5	196.6	224.7	252.8	280.9	163.9	196.6	229.4	262.2	294.9	327.7
30	153.7	184.4	215.1	245.9	276.6	307.3	182.2	218.7	255.1	291.6	328.0	364.5	212.1	254.5	297.0	339.4	381.8	424.2
32	201.5	241.8	282.1	322.5	362.8	403.1	238.3	285.9	333.6	381.2	428.9	476.5	276.6	332.0	387.3	442.6	497.9	553.3
35	307.5	369.0	430.5	492.0	553.5	615.0	361.9	434.3	506.6	579.0	651.4	723.8	418.5	502.2	585.9	669.6	753.3	837.0
38	480.4	576.5	672.6	768.6	864.7	960.8	562.6	675.2	787.7	900.2	1012.7	1125.3	648.0	777.6	907.2	1036.8	1166.4	1296.0
40	657.0	788.4	919.8	1051.2	1182.6	1314.0	767.0	920.4	1073.8	1227.2	1380.6	1534.0	881.0	1057.2	1233.4	1409.6	1585.8	1762.0

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
ϕ \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
26	166.7	200.0	233.4	266.7	300.1	333.4	209.5	251.4	293.3	335.2	377.1	419.0	239.2	287.1	334.9	382.8	430.6	478.4
28	213.8	256.6	299.4	342.2	384.9	427.7	268.1	321.7	375.3	428.9	482.5	536.1	306.0	367.2	428.4	489.6	550.8	612.0
30	275.8	330.9	386.1	441.3	496.4	551.6	344.7	413.6	482.6	551.5	620.5	689.4	393.4	472.1	550.8	629.4	708.1	786.8
32	358.2	429.9	501.5	573.2	644.8	716.5	446.3	535.6	624.9	714.1	803.4	892.7	509.4	611.2	713.1	815.0	916.8	1018.7
35	538.5	646.2	753.9	861.6	969.3	1077.0	667.5	801.0	934.5	1068.0	1201.5	1335.1	761.8	914.1	1066.5	1218.8	1371.2	1523.5
38	828.2	993.9	1159.5	1325.1	1490.8	1656.4	1021.0	1225.2	1429.4	1633.6	1837.8	2042.0	1165.2	1398.3	1631.3	1864.4	2097.4	2330.4
40	1120.8	1344.9	1569.1	1793.3	2017.4	2241.6	1376.4	1651.7	1926.9	2202.2	2477.5	2752.8	1571.0	1885.2	2199.4	2513.6	2827.8	3142.0

ตารางที่ ก.9 Terzaghi Ultimate Bearing Capacity for B = 1 m, L = 1 m, ϕ = 0 deg

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	37.6	37.7	37.8	37.9	38.0	38.1	37.7	37.8	37.9	38.1	38.2	38.3	37.8	38.0	38.1	38.3	38.4	38.6
10	74.6	74.7	74.8	74.9	75.0	75.1	74.7	74.9	75.0	75.1	75.2	75.4	74.9	75.0	75.2	75.3	75.5	75.6
15	111.7	111.8	111.9	112.0	112.1	112.2	111.8	111.9	112.0	112.2	112.3	112.4	111.9	112.1	112.2	112.4	112.5	112.7
25	185.8	185.9	186.0	186.1	186.2	186.3	185.9	186.0	186.1	186.3	186.4	186.5	186.0	186.2	186.3	186.5	186.6	186.8
30	222.8	222.9	223.0	223.1	223.2	223.3	222.9	223.1	223.2	223.3	223.4	223.6	223.1	223.2	223.4	223.5	223.7	223.8

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	38.1	38.3	38.5	38.7	38.9	39.1	38.3	38.6	38.8	39.1	39.3	39.6	38.6	38.9	39.2	39.5	39.8	40.1
10	75.1	75.3	75.5	75.7	75.9	76.1	75.4	75.6	75.9	76.1	76.4	76.6	75.6	75.9	76.2	76.5	76.8	77.1
15	112.2	112.4	112.6	112.8	113.0	113.2	112.4	112.7	112.9	113.2	113.4	113.7	112.7	113.0	113.3	113.6	113.9	114.2
25	186.3	186.5	186.7	186.9	187.1	187.3	186.5	186.8	187.0	187.3	187.5	187.8	186.8	187.1	187.4	187.7	188.0	188.3
30	223.3	223.5	223.7	223.9	224.1	224.3	223.6	223.8	224.1	224.3	224.6	224.8	223.8	224.1	224.4	224.7	225.0	225.3

ตารางที่ ก.10 Terzaghi Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, ϕ = 0 deg

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	84.5	84.7	84.9	85.2	85.4	85.6	84.8	85.1	85.3	85.6	85.9	86.2	85.1	85.4	85.7	86.1	86.4	86.7
10	167.9	168.1	168.3	168.5	168.8	169.0	168.1	168.4	168.7	169.0	169.3	169.5	168.4	168.8	169.1	169.4	169.8	170.1
15	251.2	251.4	251.7	251.9	252.1	252.3	251.5	251.8	252.1	252.3	252.6	252.9	251.8	252.1	252.5	252.8	253.1	253.5
25	417.9	418.2	418.4	418.6	418.8	419.1	418.2	418.5	418.8	419.1	419.3	419.6	418.5	418.8	419.2	419.5	419.9	420.2
30	501.3	501.5	501.8	502.0	502.2	502.4	501.6	501.9	502.1	502.4	502.7	503.0	501.9	502.2	502.5	502.9	503.2	503.6

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	85.6	86.1	86.5	87.0	87.4	87.9	86.2	86.7	87.3	87.9	88.4	89.0	86.7	87.4	88.1	88.8	89.4	90.1
10	169.0	169.4	169.9	170.3	170.8	171.2	169.5	170.1	170.7	171.2	171.8	172.4	170.1	170.8	171.5	172.1	172.8	173.5
15	252.3	252.8	253.2	253.7	254.1	254.6	252.9	253.5	254.0	254.6	255.2	255.7	253.5	254.1	254.8	255.5	256.2	256.8
25	419.1	419.5	420.0	420.4	420.9	421.3	419.6	420.2	420.8	421.3	421.9	422.4	420.2	420.9	421.5	422.2	422.9	423.6
30	502.4	502.9	503.3	503.8	504.2	504.7	503.0	503.6	504.1	504.7	505.2	505.8	503.6	504.2	504.9	505.6	506.3	506.9

ตารางที่ ก.11 Terzaghi Ultimate Bearing Capacity for B = 2 m, L = 2 m, ϕ = 0 deg

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	150.2	150.6	151.0	151.4	151.8	152.2	150.7	151.2	151.7	152.2	152.7	153.2	151.2	151.8	152.4	153.0	153.6	154.2
10	298.4	298.8	299.2	299.6	300.0	300.4	298.9	299.4	299.9	300.4	300.9	301.4	299.4	300.0	300.6	301.2	301.8	302.4
15	446.6	447.0	447.4	447.8	448.2	448.6	447.1	447.6	448.1	448.6	449.1	449.6	447.6	448.2	448.8	449.4	450.0	450.6
25	743.0	743.4	743.8	744.2	744.6	745.0	743.5	744.0	744.5	745.0	745.5	746.0	744.0	744.6	745.2	745.8	746.4	747.0
30	891.2	891.6	892.0	892.4	892.8	893.2	891.7	892.2	892.7	893.2	893.7	894.2	892.2	892.8	893.4	894.0	894.6	895.2

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	152.2	153.0	153.8	154.6	155.4	156.2	153.2	154.2	155.2	156.2	157.2	158.2	154.2	155.4	156.6	157.8	159.0	160.2
10	300.4	301.2	302.0	302.8	303.6	304.4	301.4	302.4	303.4	304.4	305.4	306.4	302.4	303.6	304.8	306.0	307.2	308.4
15	448.6	449.4	450.2	451.0	451.8	452.6	449.6	450.6	451.6	452.6	453.6	454.6	450.6	451.8	453.0	454.2	455.4	456.6
25	745.0	745.8	746.6	747.4	748.2	749.0	746.0	747.0	748.0	749.0	750.0	751.0	747.0	748.2	749.4	750.6	751.8	753.0
30	893.2	894.0	894.8	895.6	896.4	897.2	894.2	895.2	896.2	897.2	898.2	899.2	895.2	896.4	897.6	898.8	900.0	901.2

ตารางที่ ก.12 Terzaghi Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, ϕ = 0 deg

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	234.7	235.3	235.9	236.6	237.2	237.8	235.5	236.3	237.0	237.8	238.6	239.4	236.3	237.2	238.1	239.1	240.0	240.9
10	466.3	466.9	467.5	468.1	468.8	469.4	467.0	467.8	468.6	469.4	470.2	470.9	467.8	468.8	469.7	470.6	471.6	472.5
15	697.8	698.4	699.1	699.7	700.3	700.9	698.6	699.4	700.2	700.9	701.7	702.5	699.4	700.3	701.3	702.2	703.1	704.1
25	1160.9	1161.6	1162.2	1162.8	1163.4	1164.1	1161.7	1162.5	1163.3	1164.1	1164.8	1165.6	1162.5	1163.4	1164.4	1165.3	1166.3	1167.2
30	1392.5	1393.1	1393.8	1394.4	1395.0	1395.6	1393.3	1394.1	1394.8	1395.6	1396.4	1397.2	1394.1	1395.0	1395.9	1396.9	1397.8	1398.8

	$Q_{u\text{-}Terz}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	237.8	239.1	240.3	241.6	242.8	244.1	239.4	240.9	242.5	244.1	245.6	247.2	240.9	242.8	244.7	246.6	248.4	250.3
10	469.4	470.6	471.9	473.1	474.4	475.6	470.9	472.5	474.1	475.6	477.2	478.8	472.5	474.4	476.3	478.1	480.0	481.9
15	700.9	702.2	703.4	704.7	705.9	707.2	702.5	704.1	705.6	707.2	708.8	710.3	704.1	705.9	707.8	709.7	711.6	713.4
25	1164.1	1165.3	1166.6	1167.8	1169.1	1170.3	1165.6	1167.2	1168.8	1170.3	1171.9	1173.4	1167.2	1169.1	1170.9	1172.8	1174.7	1176.6
30	1395.6	1396.9	1398.1	1399.4	1400.6	1401.9	1397.2	1398.8	1400.3	1401.9	1403.4	1405.0	1398.8	1400.6	1402.5	1404.4	1406.3	1408.1

ตารางที่ ก.13 General Ultimate Bearing Capacity for B = 1 m, L = 1 m, ϕ = 0 deg

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	43.5	43.6	43.7	43.8	43.9	44.0	42.3	42.5	42.6	42.7	42.8	43.0	43.5	43.7	43.8	44.0	44.1	44.3
10	86.5	86.6	86.7	86.8	86.9	87.0	84.0	84.2	84.3	84.4	84.5	84.7	86.3	86.4	86.6	86.7	86.9	87.0
15	129.4	129.5	129.6	129.7	129.8	129.9	125.7	125.9	126.0	126.1	126.2	126.4	129.1	129.2	129.4	129.5	129.7	129.8
25	215.4	215.5	215.6	215.7	215.8	215.9	209.1	209.3	209.4	209.5	209.6	209.8	214.6	214.7	214.9	215.0	215.2	215.3
30	258.4	258.5	258.6	258.7	258.8	258.9	250.8	251.0	251.1	251.2	251.3	251.5	257.4	257.5	257.7	257.8	258.0	258.1

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	45.3	45.5	45.7	45.9	46.1	46.3	46.6	46.8	47.1	47.3	47.6	47.8	47.5	47.8	48.1	48.4	48.7	49.0
10	89.6	89.8	90.0	90.2	90.4	90.6	91.9	92.1	92.4	92.6	92.9	93.1	93.6	93.9	94.2	94.5	94.8	95.1
15	133.9	134.1	134.3	134.5	134.7	134.9	137.2	137.5	137.7	138.0	138.2	138.5	139.6	139.9	140.2	140.5	140.8	141.1
25	222.5	222.7	222.9	223.1	223.3	223.5	227.8	228.1	228.3	228.6	228.8	229.1	231.7	232.0	232.3	232.6	232.9	233.2
30	266.8	267.0	267.2	267.4	267.6	267.8	273.2	273.4	273.7	273.9	274.2	274.4	277.7	278.0	278.3	278.6	278.9	279.2

ตารางที่ ก.14 General Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, ϕ = 0 deg

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	88.6	88.8	89.1	89.3	89.5	89.7	93.5	93.8	94.1	94.4	94.6	94.9	98.4	98.7	99.1	99.4	99.7	100.1
10	176.1	176.3	176.6	176.8	177.0	177.2	185.6	185.9	186.2	186.5	186.7	187.0	195.1	195.4	195.8	196.1	196.4	196.8
15	263.6	263.8	264.1	264.3	264.5	264.7	277.7	278.0	278.3	278.6	278.8	279.1	291.8	292.1	292.5	292.8	293.2	293.5
25	438.6	438.8	439.1	439.3	439.5	439.7	461.9	462.2	462.5	462.8	463.0	463.3	485.2	485.6	485.9	486.2	486.6	486.9
30	526.1	526.3	526.5	526.8	527.0	527.2	554.0	554.3	554.6	554.9	555.1	555.4	581.9	582.3	582.6	582.9	583.3	583.6

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	96.9	97.4	97.8	98.3	98.7	99.2	100.4	100.9	101.5	102.0	102.6	103.2	103.0	103.7	104.4	105.1	105.7	106.4
10	191.6	192.1	192.5	193.0	193.4	193.9	197.9	198.5	199.0	199.6	200.2	200.7	202.7	203.4	204.1	204.7	205.4	206.1
15	286.3	286.8	287.2	287.7	288.1	288.6	295.4	296.0	296.6	297.1	297.7	298.3	302.4	303.0	303.7	304.4	305.1	305.7
25	475.7	476.2	476.6	477.1	477.5	478.0	490.5	491.1	491.7	492.2	492.8	493.3	501.7	502.4	503.1	503.7	504.4	505.1
30	570.4	570.9	571.3	571.8	572.2	572.7	588.1	588.6	589.2	589.8	590.3	590.9	601.4	602.0	602.7	603.4	604.1	604.7

ตารางที่ ก.15 Geaneral Ultimate Bearing Capacity for B = 2 m, L = 2 m, ϕ =0 deg

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	149.4	149.8	150.2	150.6	151.0	151.4	156.0	156.5	157.0	157.5	158.0	158.5	162.6	163.2	163.8	164.4	165.0	165.6
10	296.7	297.1	297.5	297.9	298.3	298.7	309.5	310.0	310.5	311.0	311.5	312.0	322.3	322.9	323.5	324.1	324.7	325.3
15	444.1	444.5	444.9	445.3	445.7	446.1	463.0	463.5	464.0	464.5	465.0	465.5	481.9	482.5	483.1	483.7	484.3	484.9
25	738.8	739.2	739.6	740.0	740.4	740.8	770.0	770.5	771.0	771.5	772.0	772.5	801.2	801.8	802.4	803.0	803.6	804.2
30	886.2	886.6	887.0	887.4	887.8	888.2	923.5	924.0	924.5	925.0	925.5	926.0	960.8	961.4	962.0	962.6	963.2	963.8

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	175.9	176.7	177.5	178.3	179.1	179.9	171.8	172.8	173.8	174.8	175.8	176.8	177.1	178.3	179.5	180.7	181.9	183.1
10	347.8	348.6	349.4	350.2	351.0	351.8	338.6	339.6	340.6	341.6	342.6	343.6	348.1	349.3	350.5	351.7	352.9	354.1
15	519.8	520.6	521.4	522.2	523.0	523.8	505.4	506.4	507.4	508.4	509.4	510.4	519.2	520.4	521.6	522.8	524.0	525.2
25	863.6	864.4	865.2	866.0	866.8	867.6	839.1	840.1	841.1	842.1	843.1	844.1	861.4	862.6	863.8	865.0	866.2	867.4
30	1035.5	1036.3	1037.1	1037.9	1038.7	1039.5	1005.9	1006.9	1007.9	1008.9	1009.9	1010.9	1032.4	1033.6	1034.8	1036.0	1037.2	1038.4

ตารางที่ ก.16 General Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, ϕ = 0 deg

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 1 m						D_f = 1.25 m						D_f = 1.5 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	225.7	226.3	227.0	227.6	228.2	228.8	234.2	234.9	235.7	236.5	237.3	238.1	242.6	243.6	244.5	245.4	246.4	247.3
10	448.3	448.9	449.5	450.2	450.8	451.4	464.4	465.2	466.0	466.8	467.5	468.3	480.5	481.5	482.4	483.4	484.3	485.2
15	670.9	671.5	672.1	672.7	673.4	674.0	694.7	695.4	696.2	697.0	697.8	698.6	718.5	719.4	720.3	721.3	722.2	723.2
25	1116.0	1116.6	1117.3	1117.9	1118.5	1119.1	1155.2	1155.9	1156.7	1157.5	1158.3	1159.1	1194.3	1195.3	1196.2	1197.1	1198.1	1199.0
30	1338.6	1339.2	1339.8	1340.5	1341.1	1341.7	1385.4	1386.2	1387.0	1387.8	1388.5	1389.3	1432.2	1433.2	1434.1	1435.1	1436.0	1436.9

	$Q_{u\text{-}Gen}$ (t)																	
	D_f = 2 m						D_f = 2.5 m						D_f = 3 m					
C \ γ	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0	1.5	1.6	1.7	1.8	1.9	2.0
5	259.5	260.8	262.0	263.3	264.5	265.8	276.4	278.0	279.6	281.1	282.7	284.3	268.5	270.4	272.2	274.1	276.0	277.9
10	512.8	514.1	515.3	516.6	517.8	519.1	545.1	546.6	548.2	549.8	551.3	552.9	527.6	529.5	531.3	533.2	535.1	537.0
15	766.1	767.3	768.6	769.8	771.1	772.3	813.7	815.3	816.8	818.4	819.9	821.5	786.7	788.6	790.5	792.3	794.2	796.1
25	1272.6	1273.9	1275.1	1276.4	1277.6	1278.9	1350.9	1352.5	1354.1	1355.6	1357.2	1358.8	1304.9	1306.8	1308.7	1310.6	1312.4	1314.3
30	1525.9	1527.2	1528.4	1529.7	1530.9	1532.2	1619.6	1621.1	1622.7	1624.3	1625.8	1627.4	1564.0	1565.9	1567.8	1569.7	1571.5	1573.4

ตารางที่ ก.17 Terzaghi Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	187.0	363.1	539.1	891.3	1067.4	189.1	365.2	541.3	893.4	1069.5	191.2	367.3	543.4	895.6	1071.7
28	219.4	424.9	630.4	1041.3	1246.8	222.1	427.6	633.0	1044.0	1249.4	224.8	430.2	635.7	1046.6	1252.1
30	259.6	501.1	742.7	1225.8	1467.3	263.0	504.5	746.1	1229.1	1470.7	266.3	507.9	749.4	1232.5	1474.0
32	310.5	596.8	883.1	1455.6	1741.8	314.8	601.1	887.3	1459.9	1746.1	319.1	605.4	891.6	1464.1	1750.4
35	411.1	786.5	1161.9	1912.6	2288.0	417.4	792.7	1168.1	1918.9	2294.2	423.6	798.9	1174.3	1925.1	2300.4
38	559.5	1063.3	1567.0	2574.5	3078.3	568.8	1072.5	1576.3	2583.8	3087.5	578.0	1081.8	1585.5	2593.0	3096.8
40	698.2	1320.0	1941.8	3185.4	3807.2	710.4	1332.2	1954.0	3197.6	3819.4	722.6	1344.4	1966.2	3209.8	3831.6

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	195.5	371.6	547.7	899.8	1075.9	199.8	375.8	551.9	904.1	1080.2	204.0	380.1	556.2	908.4	1084.4
28	230.1	435.6	641.1	1052.0	1257.5	235.5	440.9	646.4	1057.3	1262.8	240.8	446.3	651.7	1062.7	1268.1
30	273.1	514.6	756.2	1239.2	1480.8	279.8	521.4	762.9	1246.0	1487.5	286.6	528.1	769.6	1252.7	1494.3
32	327.7	613.9	900.2	1472.7	1759.0	336.2	622.5	908.7	1481.2	1767.5	344.8	631.0	917.3	1489.8	1776.1
35	436.0	811.4	1186.8	1937.5	2312.9	448.4	823.8	1199.2	1949.9	2325.3	460.9	836.2	1211.6	1962.4	2337.7
38	596.5	1100.2	1604.0	2611.5	3115.2	614.9	1118.7	1622.4	2629.9	3133.7	633.4	1137.2	1640.9	2648.4	3152.2
40	747.0	1368.8	1990.6	3234.1	3855.9	771.4	1393.2	2014.9	3258.5	3880.3	795.8	1417.5	2039.3	3282.9	3904.7

ตารางที่ ก.18 Terzaghi Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	190.6	366.7	542.8	894.9	1071.0	193.4	369.5	545.6	897.8	1073.9	196.3	372.4	548.5	900.6	1076.7
28	224.1	429.6	635.0	1046.0	1251.4	227.7	433.1	638.6	1049.5	1255.0	231.2	436.7	642.2	1053.1	1258.5
30	265.6	507.2	748.7	1231.8	1473.3	270.1	511.7	753.2	1236.3	1477.8	274.6	516.2	757.7	1240.8	1482.3
32	318.6	604.9	891.2	1463.7	1749.9	324.3	610.6	896.9	1469.4	1755.6	330.0	616.3	902.6	1475.1	1761.3
35	423.1	798.4	1173.8	1924.6	2299.9	431.3	806.7	1182.1	1932.8	2308.2	439.6	815.0	1190.4	1941.1	2316.5
38	578.1	1081.9	1585.6	2593.1	3096.9	590.5	1094.2	1598.0	2605.5	3109.2	602.8	1106.5	1610.3	2617.8	3121.5
40	723.7	1345.5	1967.3	3210.9	3832.7	740.0	1361.7	1983.5	3227.1	3848.9	756.2	1378.0	1999.8	3243.4	3865.2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	202.0	378.1	554.1	906.3	1082.4	207.7	383.7	559.8	912.0	1088.1	213.3	389.4	565.5	917.7	1093.8
28	238.3	443.8	649.3	1060.2	1265.7	245.5	450.9	656.4	1067.3	1272.8	252.6	458.1	663.5	1074.5	1279.9
30	283.6	525.1	766.7	1249.8	1491.3	292.6	534.1	775.7	1258.7	1500.3	301.6	543.1	784.6	1267.7	1509.3
32	341.5	627.7	914.0	1486.5	1772.8	352.9	639.1	925.4	1497.9	1784.2	364.3	650.5	936.8	1509.3	1795.6
35	456.2	831.6	1207.0	1957.7	2333.1	472.8	848.2	1223.5	1974.3	2349.7	489.4	864.7	1240.1	1990.9	2366.2
38	627.4	1131.1	1634.9	2642.4	3146.1	652.0	1155.8	1659.5	2667.0	3170.8	676.6	1180.4	1684.1	2691.6	3195.4
40	788.7	1410.5	2032.3	3275.9	3897.7	821.2	1443.0	2064.8	3308.4	3930.2	853.7	1475.5	2097.3	3340.9	3962.7

ตารางที่ ก.19 Terzaghi Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	194.2	370.3	546.4	898.6	1074.7	197.8	373.9	550.0	902.1	1078.2	201.3	377.4	553.5	905.7	1081.8
28	228.8	434.2	639.7	1050.6	1256.1	233.2	438.7	644.1	1055.1	1260.5	237.7	443.1	648.6	1059.5	1265.0
30	271.7	513.2	754.7	1237.8	1479.4	277.3	518.8	760.3	1243.4	1485.0	282.9	524.4	766.0	1249.0	1490.6
32	326.7	613.0	899.2	1471.8	1758.0	333.9	620.1	906.4	1478.9	1765.2	341.0	627.2	913.5	1486.0	1772.3
35	435.0	810.4	1185.7	1936.5	2311.9	445.3	820.7	1196.1	1946.8	2322.2	455.7	831.1	1206.4	1957.2	2332.6
38	596.7	1100.5	1604.2	2611.7	3115.5	612.1	1115.9	1619.6	2627.1	3130.9	627.5	1131.3	1635.0	2642.5	3146.3
40	749.2	1371.0	1992.8	3236.3	3858.1	769.5	1391.3	2013.1	3256.7	3878.5	789.8	1411.6	2033.4	3277.0	3898.8

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	208.4	384.5	560.6	912.8	1088.9	215.5	391.6	567.7	919.9	1096.0	222.7	398.7	574.8	927.0	1103.1
28	246.6	452.0	657.5	1068.4	1273.9	255.5	460.9	666.4	1077.3	1282.8	264.4	469.8	675.3	1086.2	1291.7
30	294.1	535.7	777.2	1260.3	1501.8	305.3	546.9	788.4	1271.5	1513.0	316.6	558.1	799.7	1282.7	1524.3
32	355.2	641.5	927.8	1500.3	1786.5	369.5	655.8	942.0	1514.5	1800.8	383.8	670.0	956.3	1528.8	1815.1
35	476.4	851.8	1227.2	1977.9	2353.3	497.1	872.5	1247.9	1998.6	2374.0	517.9	893.2	1268.6	2019.4	2394.7
38	658.3	1162.0	1665.8	2673.3	3177.0	689.1	1192.8	1696.6	2704.1	3207.8	719.8	1223.6	1727.3	2734.8	3238.6
40	830.5	1452.2	2074.0	3317.6	3939.4	871.1	1492.9	2114.7	3358.2	3980.0	911.7	1533.5	2155.3	3398.9	4020.7

ตารางที่ ก.20 General Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 1.6 t/m^2, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	254.8	493.5	732.2	1209.6	1448.3	250.7	482.3	714.0	1177.2	1408.8	260.4	498.0	735.5	1210.6	1448.1
28	304.2	587.9	871.5	1438.8	1722.4	299.7	574.9	850.1	1400.5	1675.8	311.5	593.8	876.0	1440.5	1722.7
30	366.3	706.0	1045.8	1725.4	2065.2	361.1	690.8	1020.5	1679.9	2009.6	375.7	713.8	1051.9	1728.1	2066.2
32	445.0	855.7	1266.3	2087.7	2498.4	439.2	837.7	1236.2	2033.1	2431.6	457.2	865.9	1274.6	2091.9	2500.6
35	607.2	1163.1	1719.1	2831.0	3386.9	600.2	1139.7	1679.1	2757.9	3297.4	625.6	1178.8	1732.0	2838.4	3391.6
38	850.4	1622.3	2394.3	3938.2	4710.2	842.0	1591.0	2340.0	3838.1	4587.1	878.4	1646.6	2414.8	3951.1	4719.3
40	1082.3	2058.8	3035.4	4988.6	5965.1	1072.8	2020.4	2967.9	4863.1	5810.6	1120.1	2091.9	3063.6	5007.2	5978.9

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	276.6	522.6	768.6	1260.7	1506.7	290.1	541.7	793.4	1296.8	1548.5	301.9	557.6	813.2	1324.6	1580.3
28	331.4	623.7	916.0	1500.6	1793.0	347.9	647.0	946.1	1544.2	1843.2	362.6	666.4	970.2	1577.9	1881.7
30	400.2	750.4	1100.5	1800.9	2151.1	420.8	779.0	1137.3	1853.8	2212.0	439.1	803.0	1167.0	1894.9	2258.9
32	487.7	911.0	1334.2	2180.8	2604.0	513.5	946.5	1379.6	2245.6	2678.6	536.5	976.4	1416.4	2296.2	2736.1
35	668.7	1241.7	1814.6	2960.5	3533.5	705.5	1291.6	1877.8	3050.1	3636.3	738.5	1334.0	1929.5	3120.5	3716.0
38	941.0	1736.5	2532.1	4123.3	4918.9	994.6	1808.6	2622.5	4250.4	5064.3	1043.0	1869.9	2696.8	4350.6	5177.5
40	1201.4	2207.9	3214.4	5227.3	6233.8	1271.6	2301.3	3330.9	5390.3	6419.9	1335.1	2381.2	3427.2	5519.4	6565.4

ตารางที่ ก.21 General Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 1.8 t/m^2, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	260.2	498.9	737.6	1215.0	1453.7	257.1	488.7	720.3	1183.6	1415.2	268.1	505.6	743.1	1218.2	1455.7
28	311.1	594.7	878.4	1445.6	1729.3	307.8	583.0	858.3	1408.7	1683.9	321.3	603.5	885.8	1450.3	1732.5
30	375.1	714.9	1054.6	1734.2	2074.0	371.6	701.3	1031.0	1690.4	2020.0	388.2	726.3	1064.4	1740.6	2078.7
32	456.4	867.1	1277.8	2099.2	2509.8	452.7	851.2	1249.7	2046.7	2445.2	473.4	882.1	1290.7	2108.1	2516.7
35	624.3	1180.2	1736.2	2848.1	3404.0	620.5	1159.9	1699.4	2778.2	3317.6	649.7	1202.9	1756.1	2862.5	3415.7
38	876.5	1648.5	2420.4	3964.3	4736.3	872.9	1622.0	2371.0	3869.1	4618.1	915.2	1683.4	2451.5	3987.9	4756.0
40	1117.5	2094.1	3070.7	5023.8	6000.4	1114.6	2062.1	3009.7	4904.8	5852.4	1169.5	2141.3	3113.1	5056.6	6028.4

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	286.8	532.8	778.8	1270.9	1516.9	302.9	554.5	806.2	1309.6	1561.2	317.3	573.0	828.6	1340.0	1595.7
28	344.4	636.7	929.0	1513.7	1806.0	364.2	663.3	962.4	1560.5	1859.5	382.2	686.0	989.8	1597.5	1901.3
30	416.8	767.0	1117.2	1817.6	2167.7	441.6	799.9	1158.1	1874.6	2232.9	464.1	828.1	1192.0	1919.9	2283.9
32	509.2	932.5	1355.7	2202.3	2625.5	540.4	973.4	1406.4	2272.4	2705.5	568.7	1008.7	1448.6	2328.4	2768.3
35	700.6	1273.6	1846.5	2992.5	3565.4	745.2	1331.4	1917.6	3089.9	3676.1	786.1	1381.6	1977.1	3168.1	3763.6
38	989.4	1785.0	2580.6	4171.8	4967.4	1054.9	1868.8	2682.7	4310.6	5124.5	1115.1	1942.0	2768.9	4422.7	5249.6
40	1266.4	2272.9	3279.4	5292.3	6298.8	1352.3	2381.9	3411.6	5470.9	6500.6	1431.5	2477.5	3523.6	5615.7	6661.8

ตารางที่ ก.22 General Ultimate Bearing Capacity for B = 1 m, L = 1 m, γ = 2 t/m^2, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	194.2	370.3	546.4	898.6	1074.7	197.8	373.9	550.0	902.1	1078.2	201.3	377.4	553.5	905.7	1081.8
28	228.8	434.2	639.7	1050.6	1256.1	233.2	438.7	644.1	1055.1	1260.5	237.7	443.1	648.6	1059.5	1265.0
30	271.7	513.2	754.7	1237.8	1479.4	277.3	518.8	760.3	1243.4	1485.0	282.9	524.4	766.0	1249.0	1490.6
32	326.7	613.0	899.2	1471.8	1758.0	333.9	620.1	906.4	1478.9	1765.2	341.0	627.2	913.5	1486.0	1772.3
35	435.0	810.4	1185.7	1936.5	2311.9	445.3	820.7	1196.1	1946.8	2322.2	455.7	831.1	1206.4	1957.2	2332.6
38	596.7	1100.5	1604.2	2611.7	3115.5	612.1	1115.9	1619.6	2627.1	3130.9	627.5	1131.3	1635.0	2642.5	3146.3
40	749.2	1371.0	1992.8	3236.3	3858.1	769.5	1391.3	2013.1	3256.7	3878.5	789.8	1411.6	2033.4	3277.0	3898.8

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	208.4	384.5	560.6	912.8	1088.9	215.5	391.6	567.7	919.9	1096.0	222.7	398.7	574.8	927.0	1103.1
28	246.6	452.0	657.5	1068.4	1273.9	255.5	460.9	666.4	1077.3	1282.8	264.4	469.8	675.3	1086.2	1291.7
30	294.1	535.7	777.2	1260.3	1501.8	305.3	546.9	788.4	1271.5	1513.0	316.6	558.1	799.7	1282.7	1524.3
32	355.2	641.5	927.8	1500.3	1786.5	369.5	655.8	942.0	1514.5	1800.8	383.8	670.0	956.3	1528.8	1815.1
35	476.4	851.8	1227.2	1977.9	2353.3	497.1	872.5	1247.9	1998.6	2374.0	517.9	893.2	1268.6	2019.4	2394.7
38	658.3	1162.0	1665.8	2673.3	3177.0	689.1	1192.8	1696.6	2704.1	3207.8	719.8	1223.6	1727.3	2734.8	3238.6
40	830.5	1452.2	2074.0	3317.6	3939.4	871.1	1492.9	2114.7	3358.2	3980.0	911.7	1533.5	2155.3	3398.9	4020.7

ตารางที่ ก.23 Terzaghi Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	423.3	819.5	1215.7	2008.1	2404.3	428.1	824.3	1220.5	2012.9	2409.1	432.9	829.1	1225.3	2017.7	2413.9
28	497.4	959.7	1422.0	2346.6	2808.9	503.4	965.7	1428.0	2352.6	2814.9	509.5	971.8	1434.1	2358.6	2820.9
30	589.3	1132.7	1676.2	2763.1	3306.6	596.9	1140.3	1683.8	2770.7	3314.2	604.4	1147.9	1691.4	2778.3	3321.8
32	706.8	1350.9	1995.0	3283.1	3927.2	716.4	1360.5	2004.6	3292.7	3936.8	726.0	1370.1	2014.2	3302.4	3946.5
35	937.3	1781.9	2626.5	4315.7	5160.3	951.3	1795.9	2640.5	4329.7	5174.3	965.3	1809.9	2654.5	4343.7	5188.3
38	1280.2	2413.6	3547.1	5814.0	6947.4	1301.0	2434.4	3567.9	5834.7	6968.2	1321.8	2455.2	3588.6	5855.5	6988.9
40	1602.1	3001.2	4400.2	7198.3	8597.3	1629.6	3028.6	4427.6	7225.7	8624.7	1657.0	3056.0	4455.1	7253.1	8652.1

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	442.5	838.7	1234.9	2027.3	2423.5	452.1	848.3	1244.5	2036.9	2433.1	461.7	857.9	1254.1	2046.5	2442.7
28	521.5	983.8	1446.1	2370.7	2833.0	533.5	995.8	1458.1	2382.7	2845.0	545.5	1007.8	1470.1	2394.7	2857.0
30	619.6	1163.1	1706.5	2793.5	3336.9	634.8	1178.2	1721.7	2808.6	3352.1	649.9	1193.4	1736.9	2823.8	3367.2
32	745.3	1389.4	2033.5	3321.6	3965.7	764.5	1408.6	2052.7	3340.9	3985.0	783.8	1427.9	2072.0	3360.1	4004.2
35	993.3	1837.9	2682.5	4371.6	5216.2	1021.2	1865.8	2710.4	4399.6	5244.2	1049.2	1893.8	2738.4	4427.6	5272.2
38	1363.3	2496.7	3630.2	5897.0	7030.5	1404.8	2538.3	3671.7	5938.6	7072.0	1446.4	2579.8	3713.3	5980.1	7113.6
40	1711.9	3110.9	4509.9	7308.0	8707.0	1766.7	3165.7	4564.8	7362.8	8761.9	1821.6	3220.6	4619.6	7417.7	8816.7

ตารางที่ ก.24 Terzaghi Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	432.4	828.6	1224.8	2017.2	2413.4	438.8	835.0	1231.2	2023.6	2419.7	445.2	841.4	1237.6	2030.0	2426.1
28	509.2	971.4	1433.7	2358.3	2820.6	517.2	979.5	1441.8	2366.3	2828.6	525.2	987.5	1449.8	2374.4	2836.7
30	604.6	1148.0	1691.5	2778.4	3321.9	614.7	1158.1	1701.6	2788.5	3332.0	624.8	1168.2	1711.7	2798.6	3342.1
32	727.7	1371.8	2015.9	3304.0	3948.1	740.5	1384.6	2028.7	3316.9	3960.9	753.3	1397.4	2041.5	3329.7	3973.8
35	968.2	1812.8	2657.4	4346.6	5191.2	986.9	1831.5	2676.1	4365.3	5209.8	1005.5	1850.1	2694.7	4383.9	5228.5
38	1329.1	2462.6	3596.0	5862.9	6996.3	1356.8	2490.3	3623.7	5890.6	7024.0	1384.5	2518.0	3651.4	5918.3	7051.7
40	1669.8	3068.9	4467.9	7266.0	8665.0	1706.4	3105.4	4504.5	7302.5	8701.6	1743.0	3142.0	4541.0	7339.1	8738.1

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	458.0	854.2	1250.4	2042.7	2438.9	470.8	867.0	1263.1	2055.5	2451.7	483.6	879.7	1275.9	2068.3	2464.5
28	541.2	1003.5	1465.8	2390.4	2852.7	557.2	1019.5	1481.8	2406.4	2868.7	573.3	1035.6	1497.9	2422.5	2884.7
30	645.0	1188.4	1731.9	2818.8	3362.3	665.2	1208.7	1752.1	2839.1	3382.5	685.4	1228.9	1772.3	2859.3	3402.7
32	779.0	1423.1	2067.2	3355.4	3999.4	804.7	1448.8	2092.9	3381.0	4025.1	830.4	1474.4	2118.5	3406.7	4050.8
35	1042.8	1887.4	2732.0	4421.2	5265.8	1080.1	1924.7	2769.3	4458.5	5303.1	1117.4	1962.0	2806.6	4495.8	5340.4
38	1439.9	2573.4	3706.8	5973.7	7107.1	1495.3	2628.7	3762.2	6029.1	7162.5	1550.7	2684.1	3817.6	6084.5	7217.9
40	1816.1	3215.2	4614.2	7412.2	8811.3	1889.3	3288.3	4687.3	7485.4	8884.4	1962.4	3361.4	4760.5	7558.5	8957.6

ตารางที่ ก.25 Terzaghi Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	441.4	837.6	1233.8	2026.2	2422.4	449.4	845.6	1241.8	2034.2	2430.4	457.4	853.6	1249.8	2042.2	2438.4
28	520.9	983.2	1445.5	2370.0	2832.3	530.9	993.2	1455.5	2380.1	2842.4	540.9	1003.2	1465.5	2390.1	2852.4
30	619.8	1163.3	1706.8	2793.7	3337.2	632.5	1175.9	1719.4	2806.3	3349.8	645.1	1188.6	1732.0	2819.0	3362.4
32	748.6	1392.7	2036.7	3324.9	3969.0	764.6	1408.7	2052.8	3341.0	3985.0	780.7	1424.7	2068.8	3357.0	4001.1
35	999.1	1843.7	2688.3	4377.5	5222.1	1022.4	1867.0	2711.6	4400.8	5245.4	1045.8	1890.4	2734.9	4424.1	5268.7
38	1378.0	2511.5	3644.9	5911.8	7045.2	1412.7	2546.1	3679.5	5946.4	7079.9	1447.3	2580.7	3714.2	5981.0	7114.5
40	1737.6	3136.6	4535.6	7333.7	8732.7	1783.3	3182.3	4581.3	7379.4	8778.4	1829.0	3228.0	4627.0	7425.1	8824.1

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	473.4	869.6	1265.8	2058.2	2454.4	489.4	885.6	1281.8	2074.2	2470.4	505.4	901.6	1297.8	2090.2	2486.3
28	560.9	1023.2	1485.5	2410.1	2872.4	581.0	1043.3	1505.6	2430.2	2892.5	601.0	1063.3	1525.6	2450.2	2912.5
30	670.4	1213.8	1757.3	2844.2	3387.7	695.6	1239.1	1782.6	2869.5	3413.0	720.9	1264.4	1807.8	2894.8	3438.2
32	812.7	1456.8	2100.9	3389.1	4033.2	844.8	1488.9	2133.0	3421.2	4065.3	876.9	1521.0	2165.1	3453.3	4097.3
35	1092.4	1937.0	2781.6	4470.8	5315.3	1139.0	1983.6	2828.2	4517.4	5362.0	1185.6	2030.2	2874.8	4564.0	5408.6
38	1516.5	2650.0	3783.4	6050.3	7183.7	1585.8	2719.2	3852.7	6119.5	7253.0	1655.0	2788.5	3921.9	6188.8	7322.2
40	1920.4	3319.4	4718.5	7516.5	8915.5	2011.8	3410.9	4809.9	7607.9	9007.0	2103.3	3502.3	4901.3	7699.4	9098.4

ตารางที่ ก.26 General Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	522.2	1008.2	1494.1	2465.9	2951.9	556.5	1068.0	1579.5	2602.5	3114.0	591.4	1128.5	1665.5	2739.7	3276.8
28	624.1	1201.5	1778.9	2933.7	3511.1	665.5	1273.3	1881.1	3096.7	3704.5	707.7	1345.9	1984.1	3260.4	3898.6
30	752.0	1443.7	2135.4	3518.8	4210.5	802.5	1530.6	2258.7	3714.9	4443.0	853.9	1618.4	2382.9	3911.9	4676.4
32	914.6	1750.7	2586.7	4258.8	5094.9	976.6	1856.6	2736.7	4496.8	5376.8	1039.7	1963.8	2887.8	4736.0	5660.0
35	1250.3	2382.1	3513.8	5777.3	6909.0	1336.3	2527.6	3718.9	6101.5	7292.8	1423.9	2674.8	3925.6	6427.3	7678.2
38	1754.7	3326.2	4897.6	8040.6	9612.1	1877.0	3531.2	5185.4	8493.8	10148.0	2001.5	3738.5	5475.4	8949.2	10686.1
40	2236.6	4224.7	6212.7	10188.7	12176.7	2393.9	4486.6	6579.2	10764.5	12857.2	2554.0	4751.3	6948.6	11343.2	13540.5

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	594.7	1120.6	1646.6	2698.4	3224.3	627.7	1169.5	1711.2	2794.7	3336.4	656.9	1210.4	1763.9	2870.9	3424.4
28	712.9	1337.8	1962.7	3212.6	3837.5	753.4	1397.2	2040.9	3328.4	3972.1	789.5	1447.2	2104.9	3420.4	4078.1
30	861.6	1610.2	2358.8	3856.1	4604.7	911.8	1683.0	2454.1	3996.4	4767.5	956.6	1744.5	2532.4	4108.3	4896.2
32	1051.0	1955.8	2860.7	4670.4	5575.2	1113.7	2045.8	2977.9	4842.0	5774.1	1169.9	2122.2	3074.6	4979.2	5931.6
35	1443.0	2667.9	3892.8	6342.5	7567.4	1532.1	2793.8	4055.6	6579.0	7840.7	1612.3	2901.4	4190.6	6768.9	8058.1
38	2033.9	3734.8	5435.6	8837.2	10538.1	2163.5	3915.5	5667.5	9171.4	10923.4	2280.7	4070.8	5860.9	9441.0	11231.1
40	2600.2	4751.8	6903.5	11206.8	13358.4	2769.2	4985.6	7201.9	11634.6	13851.0	2922.6	5187.1	7451.7	11980.8	14245.3

ตารางที่ ก.27 General Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	534.3	1020.3	1506.2	2478.0	2964.0	571.5	1083.0	1594.5	2617.5	3129.0	609.5	1146.6	1683.6	2757.8	3294.9
28	639.6	1217.0	1794.5	2949.3	3526.7	684.7	1292.5	1900.3	3115.9	3723.7	730.8	1369.0	2007.2	3283.6	3921.8
30	772.1	1463.8	2155.5	3538.9	4230.6	827.3	1555.4	2283.5	3739.7	4467.8	883.6	1648.1	2412.6	3941.7	4706.2
32	940.8	1776.9	2612.9	4285.0	5121.0	1008.8	1888.8	2768.9	4529.0	5409.0	1078.3	2002.4	2926.4	4774.5	5698.6
35	1289.9	2421.6	3553.3	5816.8	6948.5	1384.6	2575.9	3767.2	6149.8	7341.1	1481.6	2732.4	3983.3	6485.0	7735.9
38	1815.7	3387.2	4958.7	8101.7	9673.2	1951.2	3605.4	5259.6	8568.0	10222.2	2089.8	3826.7	5563.6	9037.4	10774.3
40	2319.5	4307.5	6295.5	10271.6	12259.6	2494.3	4587.0	6679.6	10864.9	12957.6	2673.0	4870.2	7067.5	11462.1	13659.4

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	617.7	1143.6	1669.5	2721.3	3247.2	656.4	1198.1	1739.9	2823.3	3365.1	691.3	1244.8	1798.3	2905.4	3458.9
28	742.2	1367.1	1992.0	3241.9	3866.8	790.0	1433.8	2077.5	3364.9	4008.7	833.4	1491.1	2148.8	3464.3	4122.0
30	899.2	1647.8	2396.5	3893.7	4642.3	958.7	1729.9	2501.0	4043.3	4814.4	1012.9	1800.8	2588.7	4164.5	4952.4
32	1099.7	2004.5	2909.4	4719.1	5623.9	1174.3	2106.3	3038.4	4902.6	5834.6	1242.4	2194.7	3147.1	5051.8	6004.1
35	1515.7	2740.6	3965.5	6415.3	7640.1	1622.3	2884.0	4145.7	6669.1	7930.9	1720.0	3009.1	4298.3	6876.6	8165.8
38	2145.0	3845.8	5546.6	8948.3	10649.1	2300.7	4052.7	5804.7	9308.6	11060.6	2444.2	4234.3	6024.4	9604.6	11394.6
40	2749.7	4901.4	7053.0	11356.3	13507.9	2953.5	5169.9	7386.2	11818.9	14035.3	3141.9	5406.5	7671.0	12200.1	14464.7

ตารางที่ ก.28 General Ultimate Bearing Capacity for B = 1.5 m, L = 1.5 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	546.4	1032.4	1518.3	2490.1	2976.1	586.5	1098.0	1609.5	2632.5	3144.0	627.6	1164.7	1701.7	2775.9	3313.0
28	655.2	1232.6	1810.0	2964.8	3542.2	704.0	1311.8	1919.6	3135.2	3743.0	754.0	1392.2	2030.4	3306.8	3944.9
30	792.2	1483.9	2175.6	3559.0	4250.7	852.0	1580.1	2308.2	3764.4	4492.5	913.4	1677.9	2442.4	3971.4	4735.9
32	967.0	1803.0	2639.1	4311.2	5147.2	1041.0	1921.0	2801.1	4561.2	5441.2	1116.9	2040.9	2965.0	4813.1	5737.1
35	1329.4	2461.1	3592.8	5856.3	6988.1	1433.0	2624.3	3815.6	6198.2	7389.5	1539.2	2790.1	4041.0	6542.7	7793.6
38	1876.8	3448.3	5019.8	8162.7	9734.2	2025.5	3679.7	5333.9	8642.3	10296.5	2178.0	3914.9	5651.8	9125.6	10862.5
40	2402.4	4390.4	6378.4	10354.4	12342.5	2594.8	4687.4	6780.1	10965.4	13058.0	2791.9	4989.2	7186.4	11581.0	13778.3

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	640.6	1166.5	1692.4	2744.3	3270.2	685.0	1226.8	1768.5	2852.0	3393.7	725.8	1279.3	1832.8	2939.8	3493.3
28	771.5	1396.4	2021.3	3271.2	3896.1	826.6	1470.3	2114.1	3401.5	4045.2	877.3	1535.0	2192.7	3508.2	4165.9
30	936.9	1685.5	2434.1	3931.4	4680.0	1005.6	1776.8	2547.9	4090.2	4861.3	1069.1	1857.0	2644.9	4220.7	5008.7
32	1148.3	2053.2	2958.1	4767.8	5672.6	1234.8	2166.9	3099.0	4963.1	5895.2	1314.9	2267.2	3219.6	5124.3	6076.6
35	1588.4	2813.3	4038.2	6488.0	7712.9	1712.4	2974.1	4235.8	6759.3	8021.0	1827.7	3116.9	4406.0	6984.3	8273.5
38	2256.0	3956.8	5657.7	9059.3	10760.1	2437.9	4189.8	5941.8	9445.8	11197.8	2607.8	4397.8	6187.9	9768.1	11558.2
40	2899.2	5050.9	7202.5	11505.8	13657.4	3137.8	5354.2	7570.5	12003.2	14219.6	3361.3	5625.8	7890.4	12419.5	14684.0

ตารางที่ ก.29 Terzaghi Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	757.3	1461.7	2166.0	3574.7	4279.0	765.9	1470.2	2174.5	3583.2	4287.6	774.4	1478.7	2183.1	3591.7	4296.1
28	890.9	1712.8	2534.6	4178.3	5000.2	901.6	1723.5	2545.3	4189.0	5010.9	912.3	1734.1	2556.0	4199.7	5021.6
30	1056.8	2023.0	2989.1	4921.4	5887.6	1070.3	2036.4	3002.6	4934.9	5901.1	1083.7	2049.9	3016.1	4948.4	5914.5
32	1270.8	2415.9	3560.9	5851.0	6996.0	1288.0	2433.0	3578.0	5868.1	7013.2	1305.1	2450.1	3595.1	5885.2	7030.3
35	1688.1	3189.6	4691.1	7694.1	9195.6	1713.0	3214.5	4716.0	7719.0	9220.5	1737.9	3239.4	4740.9	7743.9	9245.4
38	2313.7	4328.7	6343.7	10373.7	12388.7	2350.6	4365.6	6380.6	10410.6	12425.6	2387.5	4402.5	6417.5	10447.5	12462.5
40	2903.6	5390.8	7877.9	12852.2	15339.4	2952.4	5439.5	7926.7	12901.0	15388.2	3001.1	5488.3	7975.4	12949.8	15436.9

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	791.4	1495.8	2200.1	3608.8	4313.1	808.5	1512.8	2217.2	3625.9	4330.2	825.5	1529.9	2234.2	3642.9	4347.2
28	933.7	1755.5	2577.4	4221.1	5043.0	955.0	1776.9	2598.7	4242.5	5064.3	976.4	1798.3	2620.1	4263.8	5085.7
30	1110.7	2076.9	3043.0	4975.3	5941.5	1137.6	2103.8	3070.0	5002.3	5968.4	1164.6	2130.8	3096.9	5029.2	5995.4
32	1339.3	2484.3	3629.4	5919.4	7064.5	1373.5	2518.6	3663.6	5953.7	7098.7	1407.7	2552.8	3697.8	5987.9	7132.9
35	1787.6	3289.1	4790.6	7793.6	9295.1	1837.3	3338.8	4840.3	7843.3	9344.8	1887.1	3388.6	4890.1	7893.1	9394.6
38	2461.4	4476.4	6491.4	10521.4	12536.4	2535.2	4550.2	6565.2	10595.2	12610.2	2609.1	4624.1	6639.1	10669.1	12684.1
40	3098.7	5585.8	8073.0	13047.3	15534.5	3196.2	5683.3	8170.5	13144.8	15632.0	3293.7	5780.9	8268.0	13242.3	15729.5

ตารางที่ ก.30 Terzaghi Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	775.0	1479.3	2183.7	3592.4	4296.7	786.4	1490.7	2195.1	3603.7	4308.1	797.7	1502.1	2206.4	3615.1	4319.4
28	913.9	1735.8	2557.6	4201.4	5023.2	928.2	1750.0	2571.9	4215.6	5037.5	942.4	1764.3	2586.1	4229.9	5051.7
30	1087.0	2053.2	3019.3	4951.6	5917.8	1105.0	2071.1	3037.3	4969.6	5935.8	1122.9	2089.1	3055.3	4987.6	5953.7
32	1312.8	2457.8	3602.9	5892.9	7038.0	1335.6	2480.6	3625.7	5915.7	7060.8	1358.4	2503.4	3648.5	5938.6	7083.6
35	1750.4	3251.9	4753.4	7756.4	9257.9	1783.5	3285.0	4786.5	7789.5	9291.0	1816.7	3318.2	4819.7	7822.7	9324.2
38	2413.2	4428.2	6443.2	10473.2	12488.2	2462.4	4477.4	6492.4	10522.4	12537.4	2511.7	4526.7	6541.7	10571.7	12586.7
40	3042.4	5529.6	8016.7	12991.1	15478.2	3107.4	5594.6	8081.8	13056.1	15543.2	3172.4	5659.6	8146.8	13121.1	15608.2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	820.5	1524.8	2229.2	3637.8	4342.2	843.2	1547.6	2251.9	3660.6	4364.9	865.9	1570.3	2274.6	3683.3	4387.6
28	970.9	1792.8	2614.6	4258.4	5080.2	999.4	1821.3	2643.1	4286.9	5108.7	1027.9	1849.8	2671.6	4315.3	5137.2
30	1158.9	2125.0	3091.2	5023.5	5989.7	1194.8	2161.0	3127.1	5059.5	6025.6	1230.7	2196.9	3163.1	5095.4	6061.5
32	1404.0	2549.1	3694.1	5984.2	7129.2	1449.7	2594.7	3739.7	6029.8	7174.9	1495.3	2640.3	3785.4	6075.5	7220.5
35	1883.0	3384.5	4886.0	7889.0	9390.5	1949.3	3450.8	4952.3	7955.3	9456.8	2015.6	3517.1	5018.6	8021.6	9523.1
38	2610.2	4625.2	6640.2	10670.2	12685.2	2708.6	4723.6	6738.6	10768.6	12783.6	2807.1	4822.1	6837.1	10867.1	12882.1
40	3302.5	5789.6	8276.8	13251.1	15738.3	3432.5	5919.7	8406.8	13381.2	15868.3	3562.5	6049.7	8536.9	13511.2	15998.3

ตารางที่ ก.31 Terzaghi Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	792.7	1497.0	2201.3	3610.0	4314.4	806.9	1511.2	2215.6	3624.2	4328.6	821.1	1525.4	2229.8	3638.4	4342.8
28	936.9	1758.8	2580.7	4224.4	5046.2	954.8	1776.6	2598.5	4242.2	5064.1	972.6	1794.4	2616.3	4260.0	5081.9
30	1117.2	2083.4	3049.5	4981.9	5948.0	1139.7	2105.8	3072.0	5004.3	5970.5	1162.1	2128.3	3094.5	5026.8	5992.9
32	1354.7	2499.7	3644.8	5934.9	7079.9	1383.2	2528.3	3673.3	5963.4	7108.4	1411.7	2556.8	3701.8	5991.9	7136.9
35	1812.6	3314.1	4815.6	7818.6	9320.1	1854.0	3355.5	4857.0	7860.0	9361.5	1895.5	3397.0	4898.5	7901.5	9403.0
38	2512.8	4527.8	6542.8	10572.8	12587.8	2574.3	4589.3	6604.3	10634.3	12649.3	2635.9	4650.9	6665.9	10695.9	12710.9
40	3181.2	5668.4	8155.6	13129.9	15617.0	3262.5	5749.7	8236.8	13211.1	15698.3	3343.8	5830.9	8318.1	13292.4	15779.6

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	849.5	1553.8	2258.2	3666.9	4371.2	877.9	1582.3	2286.6	3695.3	4399.6	906.3	1610.7	2315.0	3723.7	4428.0
28	1008.2	1830.0	2651.9	4295.6	5117.5	1043.8	1865.7	2687.5	4331.2	5153.1	1079.4	1901.3	2723.1	4366.9	5188.7
30	1207.1	2173.2	3139.4	5071.7	6037.9	1252.0	2218.1	3184.3	5116.6	6082.8	1296.9	2263.1	3229.2	5161.5	6127.7
32	1468.8	2613.8	3758.9	6048.9	7194.0	1525.8	2670.9	3815.9	6106.0	7251.0	1582.9	2727.9	3872.9	6163.0	7308.1
35	1978.3	3479.8	4981.3	7984.3	9485.8	2061.2	3562.7	5064.2	8067.2	9568.7	2144.1	3645.6	5147.1	8150.1	9651.6
38	2759.0	4774.0	6789.0	10819.0	12834.0	2882.1	4897.1	6912.1	10942.1	12957.1	3005.2	5020.2	7035.2	11065.2	13080.2
40	3506.3	5993.5	8480.6	13455.0	15942.1	3668.9	6156.0	8643.2	13617.5	16104.7	3831.4	6318.6	8805.7	13780.0	16267.2

ตารางที่ ก.32 General Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	885.3	1703.7	2522.1	4158.9	4977.3	933.6	1786.1	2638.6	4343.6	5196.1	982.8	1869.4	2756.0	4529.2	5415.8
28	1058.8	2031.2	3003.7	4948.7	5921.2	1117.4	2130.4	3143.4	5169.4	6182.4	1177.0	2230.5	3284.0	5391.1	6444.6
30	1276.9	2441.9	3606.8	5936.8	7101.7	1348.5	2562.0	3775.5	6202.5	7416.0	1421.4	2683.4	3945.5	6469.6	7731.6
32	1554.5	2962.6	4370.6	7186.8	8594.9	1642.8	3109.5	4576.3	7509.8	8976.5	1732.6	3258.0	4783.5	7834.3	9359.7
35	2128.4	4034.5	5940.6	9752.7	11658.8	2251.5	4237.0	6222.5	10193.5	12179.0	2376.8	4441.8	6506.7	10636.5	12701.4
38	2992.4	5639.1	8285.8	13579.3	16226.0	3168.6	5925.6	8682.6	14196.6	16953.6	3347.7	6215.0	9082.3	14816.9	17684.1
40	3819.5	7167.7	10516.0	17212.5	20560.7	4046.9	7534.7	11022.4	17997.9	21485.7	4278.1	7905.4	11532.6	18787.2	22414.4

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1083.5	2038.3	2993.1	4902.7	5857.5	1079.4	2005.9	2932.3	4785.2	5711.7	1133.5	2083.6	3033.7	4933.9	5884.0
28	1299.3	2433.8	3568.4	5837.5	6972.1	1296.5	2397.4	3498.2	5700.0	6800.8	1363.1	2492.1	3621.1	5879.1	7008.1
30	1570.9	2930.0	4289.1	7007.4	8366.5	1570.2	2889.0	4207.7	6845.2	8164.0	1652.9	3005.4	4357.8	7062.7	8415.1
32	1917.0	3559.8	5202.5	8488.0	10130.8	1919.4	3513.4	5107.3	8295.3	9889.3	2023.0	3657.7	5292.4	8561.7	10196.4
35	2633.9	4857.6	7081.4	11528.9	13752.7	2644.1	4801.8	6959.5	11275.0	13432.7	2791.7	5004.5	7217.3	11643.0	13855.8
38	3715.1	6803.0	9890.8	16066.5	19154.3	3739.6	6735.7	9731.9	15724.2	18720.3	3954.9	7027.6	10100.2	16245.6	19318.2
40	4751.9	8658.2	12564.5	20377.0	24283.3	4792.2	8582.4	12372.7	19953.3	23743.5	5073.6	8960.7	12847.8	20621.9	24509.0

ตารางที่ ก.33 General Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	907.6	1726.0	2544.4	4181.2	4999.6	960.7	1813.2	2665.7	4370.7	5223.2	1014.8	1901.4	2788.0	4561.2	5447.8
28	1087.5	2060.0	3032.5	4977.4	5949.9	1152.2	2165.2	3178.2	5204.2	6217.2	1218.1	2271.7	3325.2	5432.2	6485.7
30	1314.2	2479.2	3644.2	5974.1	7139.0	1393.5	2607.0	3820.5	6247.5	7461.0	1474.5	2736.6	3998.6	6522.7	7784.7
32	1603.3	3011.4	4419.4	7235.6	8643.7	1701.4	3168.2	4634.9	7568.4	9035.2	1801.7	3327.1	4852.5	7903.4	9428.8
35	2202.5	4108.6	6014.7	9826.9	11732.9	2340.2	4325.7	6311.2	10282.2	12267.7	2480.8	4545.7	6610.6	10740.5	12805.4
38	3107.6	5754.4	8401.1	13694.5	16341.2	3305.7	6062.7	8819.7	14333.7	17090.7	3507.9	6375.2	9242.4	14977.0	17844.3
40	3976.6	7324.8	10673.1	17369.5	20717.8	4233.3	7721.1	11208.8	18184.3	21672.1	4495.1	8122.3	11749.6	19004.1	22631.4

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1126.4	2081.2	3036.0	4945.6	5900.4	1130.4	2056.9	2983.3	4836.2	5762.7	1194.6	2144.7	3094.8	4995.0	5945.1
28	1354.2	2488.7	3623.3	5892.4	7027.0	1361.7	2462.6	3563.4	5765.2	6866.0	1441.2	2570.2	3699.2	5957.1	7086.1
30	1641.5	3000.6	4359.7	7078.0	8437.1	1654.0	2972.8	4291.5	6929.0	8247.8	1753.1	3105.6	4458.0	7162.9	8515.3
32	2008.4	3651.2	5293.9	8579.4	10222.2	2027.9	3621.8	5215.8	8403.8	9997.7	2152.4	3787.1	5421.8	8691.2	10325.8
35	2770.6	4994.4	7218.1	11665.6	13889.4	2806.2	4963.9	7121.7	11437.1	13594.8	2984.6	5197.4	7410.2	11835.9	14048.7
38	3924.2	7012.1	10099.9	16275.6	19363.4	3987.4	6983.6	9979.7	15972.0	18968.1	4249.0	7321.7	10394.3	16539.6	19612.3
40	5033.8	8940.1	12846.4	20658.9	24565.2	5126.1	8916.4	12706.7	20287.2	24077.5	5469.2	9356.2	13243.3	21017.5	24904.5

ตารางที่ ก.34 General Ultimate Bearing Capacity for B = 2 m, L = 2 m, γ = 2 t/m3^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1220.9	2323.7	3426.5	5632.1	6734.9	1298.3	2447.1	3595.8	5893.3	7042.1	1377.6	2572.3	3767.0	6156.4	7351.1
28	1478.8	2804.6	4130.3	6781.9	8107.6	1574.7	2955.7	4336.7	7098.7	8479.7	1672.8	3109.0	4545.2	7417.7	8854.0
30	1806.0	3412.5	5019.1	8232.2	9838.8	1925.4	3598.9	5272.4	8619.4	10292.9	2047.7	3788.2	5528.6	9009.5	10749.9
32	2226.0	4190.4	6154.8	10083.6	12048.0	2376.2	4422.4	6468.7	10561.2	12607.4	2530.0	4658.1	6786.2	11042.4	13170.5
35	3104.1	5809.4	8514.7	13925.3	16630.5	3319.7	6137.7	8955.7	14591.7	17409.7	3540.3	6471.1	9401.8	15263.2	18193.9
38	4442.9	8263.9	12085.0	19727.1	23548.1	4760.0	8740.3	12720.5	20681.0	24661.3	5084.4	9223.9	13363.4	21642.3	25781.7
40	5738.0	10627.0	15516.0	25294.1	30183.2	6155.0	11247.8	16340.5	26526.0	31618.8	6581.3	11877.8	17174.2	27767.2	33063.6

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1541.5	2828.1	4114.7	6687.9	7974.5	1557.1	2805.4	4053.8	6550.6	7799.0	1656.2	2936.4	4216.7	6777.3	8057.5
28	1875.8	3422.5	4969.3	8062.7	9609.4	1899.4	3400.1	4900.9	7902.5	9403.3	2024.2	3563.3	5102.4	8180.7	9719.8
30	2301.0	4175.3	6049.6	9798.3	11672.6	2335.6	4154.2	5972.9	9610.2	11428.9	2493.8	4358.9	6224.0	9954.2	11819.3
32	2848.4	5140.2	7432.0	12015.6	14307.4	2898.4	5122.2	7345.9	11793.4	14017.1	3100.3	5380.9	7661.4	12222.5	14503.0
35	3996.9	7153.1	10309.2	16621.5	19777.7	4082.6	7145.0	10207.4	16332.3	19394.7	4378.3	7519.0	10659.6	16940.9	20081.6
38	5754.9	10212.8	14670.7	23586.4	28044.3	5901.1	10226.6	14552.1	23203.1	27528.5	6344.3	10780.3	15216.3	24088.2	28524.2
40	7461.5	13165.4	18869.2	30277.0	35980.9	7671.3	13205.8	18740.3	29809.3	35343.8	8260.9	13936.7	19612.6	30964.2	36640.1

ตารางที่ ก.35 Terzaghi Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1190.7	2291.3	3391.8	5592.8	6693.4	1204.0	2304.6	3405.1	5606.2	6706.7	1217.4	2317.9	3418.4	5619.5	6720.0
28	1402.3	2686.5	3970.6	6538.9	7823.1	1419.0	2703.2	3987.3	6555.6	7839.8	1435.7	2719.9	4004.0	6572.3	7856.5
30	1665.6	3175.2	4684.8	7704.1	9213.7	1686.6	3196.3	4705.9	7725.1	9234.8	1707.7	3217.3	4727.0	7746.2	9255.8
32	2008.1	3797.2	5586.3	9164.6	10953.7	2034.8	3824.0	5613.1	9191.3	10980.5	2061.6	3850.7	5639.8	9218.1	11007.2
35	2671.8	5017.9	7364.0	12056.2	14402.3	2710.6	5056.7	7402.8	12095.0	14441.1	2749.5	5095.6	7441.7	12133.9	14480.0
38	3674.0	6822.5	9970.9	16267.8	19416.2	3731.7	6880.2	10028.6	16325.5	19473.9	3789.4	6937.9	10086.3	16383.2	19531.6
40	4623.4	8509.6	12395.7	20168.1	24054.3	4699.6	8585.7	12471.9	20244.3	24130.5	4775.7	8661.9	12548.1	20320.5	24206.7

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1244.0	2344.5	3445.1	5646.1	6746.7	1270.7	2371.2	3471.7	5672.8	6773.3	1297.3	2397.8	3498.4	5699.4	6800.0
28	1469.1	2753.3	4037.4	6605.7	7889.9	1502.5	2786.7	4070.8	6639.1	7923.3	1535.9	2820.1	4104.2	6672.5	7956.7
30	1749.8	3259.4	4769.1	7788.3	9297.9	1791.9	3301.6	4811.2	7830.4	9340.1	1834.0	3343.7	4853.3	7872.5	9382.2
32	2115.0	3904.2	5693.3	9271.5	11060.7	2168.5	3957.6	5746.8	9325.0	11114.1	2222.0	4011.1	5800.2	9378.5	11167.6
35	2827.2	5173.3	7519.4	12211.6	14557.7	2904.9	5251.0	7597.1	12289.3	14635.4	2982.6	5328.7	7674.8	12367.0	14713.1
38	3904.9	7053.3	10201.7	16498.6	19647.0	4020.3	7168.7	10317.1	16614.0	19762.4	4135.7	7284.1	10432.5	16729.4	19877.9
40	4928.1	8814.3	12700.5	20472.9	24359.1	5080.5	8966.7	12852.9	20625.3	24511.4	5232.9	9119.1	13005.3	20777.6	24663.8

ตารางที่ ก.36 Terzaghi Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1220.8	2321.3	3421.8	5622.9	6723.4	1238.5	2339.1	3439.6	5640.7	6741.2	1256.3	2356.8	3457.4	5658.4	6759.0
28	1441.7	2725.9	4010.0	6578.3	7862.5	1464.0	2748.1	4032.3	6600.6	7884.8	1486.2	2770.4	4054.5	6622.9	7907.0
30	1717.6	3227.2	4736.8	7756.1	9265.7	1745.7	3255.3	4764.9	7784.2	9293.8	1773.7	3283.4	4793.0	7812.2	9321.9
32	2081.1	3870.2	5659.3	9237.6	11026.7	2116.7	3905.9	5695.0	9273.2	11062.4	2152.4	3941.5	5730.6	9308.9	11098.0
35	2780.3	5126.4	7472.5	12164.7	14510.8	2832.1	5178.2	7524.3	12216.5	14562.6	2883.9	5230.0	7576.1	12268.3	14614.4
38	3849.2	6997.7	10146.1	16443.0	19591.4	3926.2	7074.6	10223.1	16519.9	19668.4	4003.1	7151.6	10300.0	16596.9	19745.3
40	4869.1	8755.3	12641.5	20413.8	24300.0	4970.7	8856.9	12743.1	20515.4	24401.6	5072.3	8958.5	12844.6	20617.0	24503.2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1291.8	2392.4	3492.9	5694.0	6794.5	1327.4	2427.9	3528.4	5729.5	6830.0	1362.9	2463.4	3563.9	5765.0	6865.5
28	1530.8	2814.9	4099.1	6667.4	7951.5	1575.3	2859.4	4143.6	6711.9	7996.1	1619.8	2904.0	4188.1	6756.4	8040.6
30	1829.9	3339.5	4849.1	7868.4	9378.0	1886.0	3395.7	4905.3	7924.5	9434.2	1942.2	3451.8	4961.4	7980.7	9490.3
32	2223.7	4012.8	5801.9	9380.2	11169.3	2295.0	4084.1	5873.2	9451.5	11240.6	2366.3	4155.4	5944.5	9522.8	11311.9
35	2987.5	5333.6	7679.7	12371.9	14718.0	3091.1	5437.2	7783.3	12475.5	14821.6	3194.7	5540.8	7886.9	12579.1	14925.2
38	4157.0	7305.4	10453.9	16750.7	19899.2	4310.9	7459.3	10607.7	16904.6	20053.1	4464.7	7613.2	10761.6	17058.5	20206.9
40	5275.4	9161.6	13047.8	20820.2	24706.4	5478.6	9364.8	13251.0	21023.4	24909.6	5681.8	9568.0	13454.2	21226.5	25112.7

ตารางที่ ก.37 Terzaghi Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1250.8	2351.4	3451.9	5653.0	6753.5	1273.0	2373.6	3474.1	5675.2	6775.7	1295.3	2395.8	3496.3	5697.4	6797.9
28	1481.1	2765.3	4049.4	6617.7	7901.9	1508.9	2793.1	4077.2	6645.5	7929.7	1536.8	2820.9	4105.1	6673.4	7957.5
30	1769.6	3279.2	4788.8	7808.1	9317.7	1804.7	3314.3	4823.9	7843.2	9352.8	1839.8	3349.4	4859.0	7878.3	9387.9
32	2154.1	3943.2	5732.3	9310.6	11099.7	2198.6	3987.8	5776.9	9355.1	11144.3	2243.2	4032.3	5821.4	9399.7	11188.8
35	2888.9	5235.0	7581.1	12273.3	14619.4	2953.7	5299.8	7645.8	12338.0	14684.1	3018.4	5364.5	7710.6	12402.8	14748.9
38	4024.4	7172.9	10321.3	16618.2	19766.6	4120.6	7269.0	10417.5	16714.4	19862.8	4216.8	7365.2	10513.7	16810.5	19959.0
40	5114.8	9001.0	12887.2	20659.6	24545.8	5241.8	9128.0	13014.2	20786.5	24672.7	5368.8	9255.0	13141.2	20913.5	24799.7

	$Q_{u\text{-}Terz}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1339.7	2440.2	3540.7	5741.8	6842.3	1384.1	2484.6	3585.1	5786.2	6886.7	1428.5	2529.0	3629.5	5830.6	6931.1
28	1592.4	2876.6	4160.7	6729.0	8013.2	1648.1	2932.2	4216.4	6784.7	8068.8	1703.7	2987.9	4272.0	6840.3	8124.5
30	1909.9	3419.6	4929.2	7948.4	9458.1	1980.1	3489.8	4999.4	8018.6	9528.3	2050.3	3559.9	5069.6	8088.8	9598.4
32	2332.3	4121.4	5910.6	9488.8	11277.9	2421.4	4210.6	5999.7	9577.9	11367.1	2510.6	4299.7	6088.8	9667.1	11456.2
35	3147.9	5494.0	7840.1	12532.3	14878.4	3277.4	5623.5	7969.6	12661.8	15007.9	3406.9	5753.0	8099.1	12791.3	15137.4
38	4409.1	7557.6	10706.0	17002.9	20151.3	4601.5	7749.9	10898.3	17195.2	20343.7	4793.8	7942.3	11090.7	17387.6	20536.0
40	5622.8	9508.9	13395.1	21167.5	25053.7	5876.7	9762.9	13649.1	21421.5	25307.7	6130.7	10016.9	13903.1	21675.4	25561.6

ตารางที่ ก.38 General Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 1.6 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1345.6	2581.8	3817.9	6290.1	7526.3	1409.4	2688.1	3966.9	6524.4	7803.1	1474.1	2795.5	4116.9	6759.6	8081.0
28	1610.5	3079.4	4548.2	7485.9	8954.8	1688.0	3207.5	4727.0	7766.0	9285.5	1766.8	3336.9	4907.1	8047.4	9617.5
30	1944.0	3703.6	5463.1	8982.3	10741.9	2038.9	3859.2	5679.4	9319.9	11140.2	2135.5	4016.4	5897.3	9659.2	11540.1
32	2368.6	4495.4	6622.2	10875.8	13002.6	2486.0	4686.2	6886.3	11286.5	13486.7	2605.4	4878.9	7152.3	11699.3	13972.7
35	3248.0	6127.0	9005.9	14763.9	17642.9	3412.5	6390.8	9369.0	15325.5	18303.8	3579.7	6657.3	9734.8	15889.8	18967.4
38	4574.1	8571.8	12569.4	20564.7	24562.4	4810.7	8946.2	13081.7	21352.7	25488.2	5051.0	9324.3	13597.7	22144.4	26417.7
40	5845.6	10902.9	15960.1	26074.6	31131.8	6152.1	11383.7	16615.3	27078.6	32310.2	6463.2	11869.2	17275.2	28087.3	33493.3

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1606.7	3013.3	4419.9	7233.2	8639.8	1743.3	3235.2	4727.0	7710.8	9202.7	1726.1	3165.2	4604.2	7482.3	8921.3
28	1928.1	3599.5	5271.0	8613.9	10285.3	2094.4	3867.2	5639.9	9185.4	10958.2	2077.2	3787.1	5497.1	8917.1	10627.0
30	2333.2	4335.5	6337.8	10342.3	12344.6	2537.3	4660.9	6784.5	11031.8	13155.4	2520.5	4568.9	6617.4	10714.2	12762.6
32	2850.0	5270.2	7690.3	12530.6	14950.7	3102.4	5669.2	8236.0	13369.7	15936.5	3087.1	5563.1	8039.0	12990.8	15466.7
35	3922.3	7198.4	10474.4	17026.6	20302.7	4275.7	7750.3	11224.9	18174.2	21648.8	4265.7	7617.3	10968.9	17672.0	21023.6
38	5542.9	10092.0	14641.0	23739.1	28288.2	6049.9	10874.7	15699.4	25348.9	30173.7	6052.2	10706.1	15360.0	24667.7	29321.6
40	7099.7	12854.5	18609.3	30118.9	35873.7	7755.2	13858.8	19962.3	32169.5	38273.0	7772.6	13660.0	19547.5	31322.3	37209.7

ตารางที่ ก.39 General Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 1.8 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1382.1	2618.3	3854.4	6326.6	7562.8	1452.9	2731.7	4010.4	6567.9	7846.7	1525.0	2846.4	4167.8	6810.5	8131.9
28	1657.8	3126.6	4595.5	7533.2	9002.0	1744.2	3263.7	4783.2	7822.2	9341.7	1832.3	3402.5	4972.6	8112.9	9683.1
30	2005.4	3765.0	5524.6	9043.7	10803.3	2111.8	3932.1	5752.3	9392.8	11213.1	2220.3	4101.2	5982.2	9744.0	11624.9
32	2449.2	4576.0	6702.8	10956.4	13083.2	2581.4	4781.5	6981.6	11381.9	13582.0	2716.1	4989.5	7263.0	11809.9	14083.4
35	3371.0	6250.0	9129.0	14886.9	17765.9	3557.3	6535.5	9513.8	15470.3	18448.5	3747.1	6824.7	9902.2	16057.2	19134.8
38	4766.3	8763.9	12761.6	20756.9	24754.5	5035.7	9171.2	13306.7	21577.7	25713.2	5310.2	9583.5	13856.9	22403.6	26676.9
40	6108.4	11165.7	16222.9	26337.4	31394.6	6458.9	11690.5	16922.1	27385.4	32617.0	6815.6	12221.6	17627.6	28439.7	33845.7

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1673.3	3080.0	4486.6	7299.8	8706.5	1827.1	3319.0	4810.8	7794.6	9286.5	1821.8	3260.8	4699.9	7578.0	9017.0
28	2013.6	3685.1	5356.5	8699.4	10370.9	2201.6	3974.4	5747.1	9292.6	11065.4	2199.6	3909.5	5619.5	9039.4	10749.4
30	2443.5	4445.8	6448.1	10452.6	12454.9	2675.1	4798.8	6922.4	11169.6	13293.3	2677.9	4726.3	6774.7	10871.6	12920.0
32	2993.3	5413.5	7833.6	12673.9	15094.0	3281.0	5847.8	8414.6	13548.2	16115.0	3290.9	5766.8	8242.7	13194.6	15670.5
35	4137.7	7413.8	10689.8	17242.0	20518.1	4542.7	8017.3	11491.9	18441.2	21915.8	4570.4	7922.0	11273.6	17976.7	21328.3
38	5874.2	10423.2	14972.3	24070.4	28619.4	6458.3	11283.1	16107.8	25757.3	30582.1	6518.2	11172.1	15826.0	25133.8	29787.7
40	7548.0	13302.8	19057.6	30567.2	36322.0	8305.8	14409.3	20512.9	32720.0	38823.6	8401.0	14288.4	20175.9	31950.7	37838.1

ตารางที่ ก.40 General Ultimate Bearing Capacity for B = 2.5 m, L = 2.5 m, γ = 2 t/m^3, C = 0 t/m^2

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 1 m					D_f = 1.25 m					D_f = 1.5 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1418.7	2654.8	3890.9	6363.2	7599.3	1496.5	2775.2	4054.0	6611.5	7890.2	1575.9	2897.3	4218.7	6861.4	8182.8
28	1705.0	3173.9	4642.7	7580.4	9049.3	1800.4	3319.9	4839.4	7878.4	9397.9	1897.9	3468.0	5038.2	8178.5	9748.6
30	2066.9	3826.5	5586.1	9105.2	10864.8	2184.7	4005.0	5825.2	9465.7	11286.0	2305.1	4186.1	6067.0	9828.8	11709.8
32	2529.9	4656.6	6783.4	11037.0	13163.8	2676.7	4876.8	7076.9	11477.2	13677.3	2826.7	5100.2	7373.7	11920.6	14194.0
35	3494.0	6373.0	9252.0	15009.9	17888.9	3702.0	6680.3	9658.5	15615.0	18593.3	3914.5	6992.1	10069.6	16224.6	19302.2
38	4958.4	8956.1	12953.7	20949.0	24946.7	5260.8	9396.3	13531.8	21802.8	25938.3	5569.4	9842.7	14116.1	22662.8	26936.1
40	6371.2	11428.5	16485.7	26600.2	31657.4	6765.7	11997.3	17228.9	27692.2	32923.8	7168.0	12574.0	17980.0	28792.0	34198.1

	$Q_{u\text{-}Gen}$ (t)														
	D_f = 2 m					D_f = 2.5 m					D_f = 3 m				
ϕ \ C	5	10	15	25	30	5	10	15	25	30	5	10	15	25	30
26	1740.0	3146.6	4553.3	7366.5	8773.1	1910.9	3402.8	4894.6	7878.4	9370.3	1917.5	3356.5	4795.6	7673.7	9112.7
28	2099.1	3770.6	5442.0	8784.9	10456.4	2308.9	4081.6	5854.4	9399.9	11172.6	2322.0	4031.9	5741.9	9161.8	10871.8
30	2553.8	4556.1	6558.4	10562.9	12565.2	2813.0	4936.6	7060.3	11307.5	13431.1	2835.2	4883.7	6932.1	11028.9	13077.3
32	3136.6	5556.8	7976.9	12817.2	15237.3	3459.5	6026.3	8593.1	13726.7	16293.6	3494.6	5970.6	8446.5	13398.3	15874.2
35	4353.1	7629.2	10905.3	17457.4	20733.5	4809.7	8284.3	11758.9	18708.2	22182.8	4875.1	8226.7	11578.3	18281.4	21633.0
38	6205.5	10754.5	15303.6	24401.7	28950.7	6866.7	11691.5	16516.2	26165.7	30990.5	6984.3	11638.2	16292.1	25599.9	30253.8
40	7996.4	13751.1	19505.9	31015.5	36770.3	8856.3	14959.9	21063.4	33270.6	39374.1	9029.4	14916.8	20804.3	32579.1	38466.5

ภาคผนวก ข.

ตัวแปรตามกรณีที่ทำการศึกษา

ตารางภาคผนวก ข. ตัวแปรตามกรณีที่ทำการศึกษา

Series No.	Case	B (m)	L (m)	D_f (m)	Soil properties		
					C (t/m^2)	ϕ (deg)	γ_{sat} (t/m^3)
1	C=0						
	Case1.1	1	1	1	0	26-40	1.5-2.0
	Case1.2	1	1	1.25	0	26-40	1.5-2.0
	Case1.3	1	1	1.5	0	26-40	1.5-2.0
	Case1.4	1	1	2	0	26-40	1.5-2.0
	Case1.5	1	1	2.5	0	26-40	1.5-2.0
	Case1.6	1	1	3	0	26-40	1.5-2.0
	Case2.1	1.5	1.5	1	0	26-40	1.5-2.0
	Case2.2	1.5	1.5	1.25	0	26-40	1.5-2.0
	Case2.3	1.5	1.5	1.5	0	26-40	1.5-2.0
	Case2.4	1.5	1.5	2	0	26-40	1.5-2.0
	Case2.5	1.5	1.5	2.5	0	26-40	1.5-2.0
	Case2.6	1.5	1.5	3	0	26-40	1.5-2.0
	Case3.1	2	2	1	0	26-40	1.5-2.0
	Case3.2	2	2	1.25	0	26-40	1.5-2.0
	Case3.3	2	2	1.5	0	26-40	1.5-2.0
	Case3.4	2	2	2	0	26-40	1.5-2.0
	Case3.5	2	2	2.5	0	26-40	1.5-2.0
	Case3.6	2	2	3	0	26-40	1.5-2.0
	Case4.1	2.5	2.5	1	0	26-40	1.5-2.0
	Case4.2	2.5	2.5	1.25	0	26-40	1.5-2.0
	Case4.3	2.5	2.5	1.5	0	26-40	1.5-2.0
	Case4.4	2.5	2.5	2	0	26-40	1.5-2.0
	Case4.5	2.5	2.5	2.5	0	26-40	1.5-2.0
	Case4.6	2.5	2.5	3	0	26-40	1.5-2.0

ตารางภาคผนวก ข. ตัวแปรตามกรณีที่ทำการศึกษา (ต่อ)

Series No.	Case	B (m)	L (m)	D_f (m)	Soil properties		
					C (t/m^2)	ϕ (deg)	γ_{sat} (t/m^3)
2	ϕ=0						
	Case5.1	1	1	1	5-30	0	1.5-2.0
	Case5.2	1	1	1.25	5-30	0	1.5-2.0
	Case5.3	1	1	1.5	5-30	0	1.5-2.0
	Case5.4	1	1	2	5-30	0	1.5-2.0
	Case5.5	1	1	2.5	5-30	0	1.5-2.0
	Case5.6	1	1	3	5-30	0	1.5-2.0
	Case6.1	1.5	1.5	1	5-30	0	1.5-2.0
	Case6.2	1.5	1.5	1.25	5-30	0	1.5-2.0
	Case6.3	1.5	1.5	1.5	5-30	0	1.5-2.0
	Case6.4	1.5	1.5	2	5-30	0	1.5-2.0
	Case6.5	1.5	1.5	2.5	5-30	0	1.5-2.0
	Case6.6	1.5	1.5	3	5-30	0	1.5-2.0
	Case7.1	2	2	1	5-30	0	1.5-2.0
	Case7.2	2	2	1.25	5-30	0	1.5-2.0
	Case7.3	2	2	1.5	5-30	0	1.5-2.0
	Case7.4	2	2	2	5-30	0	1.5-2.0
	Case7.5	2	2	2.5	5-30	0	1.5-2.0
	Case7.6	2	2	3	5-30	0	1.5-2.0
	Case8.1	2.5	2.5	1	5-30	0	1.5-2.0
	Case8.2	2.5	2.5	1.25	5-30	0	1.5-2.0
	Case8.3	2.5	2.5	1.5	5-30	0	1.5-2.0
	Case8.4	2.5	2.5	2	5-30	0	1.5-2.0
	Case8.5	2.5	2.5	2.5	5-30	0	1.5-2.0
	Case8.6	2.5	2.5	3	5-30	0	1.5-2.0

ตารางภาคผนวก ข. ตัวแปรตามกรณีที่ทำการศึกษา (ต่อ)

Series No.	Case	B (m)	L (m)	D_f (m)	Soil properties		
					C (t/m^2)	ϕ (deg)	γ_{sat} (t/m^3)
3	Case9.1	1	1	1	5-30	26-40	1.6
	Case9.2	1	1	1.25	5-30	26-40	1.6
	Case9.3	1	1	1.5	5-30	26-40	1.6
	Case9.4	1	1	2	5-30	26-40	1.6
	Case9.5	1	1	2.5	5-30	26-40	1.6
	Case9.6	1	1	3	5-30	26-40	1.6
	Case10.1	1	1	1	5-30	26-40	1.8
	Case10.2	1	1	1.25	5-30	26-40	1.8
	Case10.3	1	1	1.5	5-30	26-40	1.8
	Case10.4	1	1	2	5-30	26-40	1.8
	Case10.5	1	1	2.5	5-30	26-40	1.8
	Case10.6	1	1	3	5-30	26-40	1.8
	Case11.1	1	1	1	5-30	26-40	2.0
	Case11.2	1	1	1.25	5-30	26-40	2.0
	Case11.3	1	1	1.5	5-30	26-40	2.0
	Case11.4	1	1	2	5-30	26-40	2.0
	Case11.5	1	1	2.5	5-30	26-40	2.0
	Case11.6	1	1	3	5-30	26-40	2.0
	Case12.1	1.5	1.5	1	5-30	26-40	1.6
	Case12.2	1.5	1.5	1.25	5-30	26-40	1.6
	Case12.3	1.5	1.5	1.5	5-30	26-40	1.6
	Case12.4	1.5	1.5	2	5-30	26-40	1.6
	Case12.5	1.5	1.5	2.5	5-30	26-40	1.6
	Case12.6	1.5	1.5	3	5-30	26-40	1.6

ตารางภาคผนวก ข. ตัวแปรตามกรณีที่ทำการศึกษา (ต่อ)

Series No.	Case	B (m)	L (m)	D_f (m)	Soil properties		
					C (t/m^2)	ϕ (deg)	γ_{sat} (t/m^3)
	Case13.1	1.5	1.5	1	5-30	26-40	1.8
	Case13.2	1.5	1.5	1.25	5-30	26-40	1.8
	Case13.3	1.5	1.5	1.5	5-30	26-40	1.8
	Case13.4	1.5	1.5	2	5-30	26-40	1.8
	Case13.5	1.5	1.5	2.5	5-30	26-40	1.8
	Case13.6	1.5	1.5	3	5-30	26-40	1.8
	Case14.1	1.5	1.5	1	5-30	26-40	2.0
	Case14.2	1.5	1.5	1.25	5-30	26-40	2.0
	Case14.3	1.5	1.5	1.5	5-30	26-40	2.0
	Case14.4	1.5	1.5	2	5-30	26-40	2.0
	Case14.5	1.5	1.5	2.5	5-30	26-40	2.0
	Case14.6	1.5	1.5	3	5-30	26-40	2.0
	Case15.1	2	2	1	5-30	26-40	1.6
	Case15.2	2	2	1.25	5-30	26-40	1.6
	Case15.3	2	2	1.5	5-30	26-40	1.6
	Case15.4	2	2	2	5-30	26-40	1.6
	Case15.5	2	2	2.5	5-30	26-40	1.6
	Case15.6	2	2	3	5-30	26-40	1.6
	Case16.1	2	2	1	5-30	26-40	1.8
	Case16.2	2	2	1.25	5-30	26-40	1.8
	Case16.3	2	2	1.5	5-30	26-40	1.8
	Case16.4	2	2	2	5-30	26-40	1.8
	Case16.5	2	2	2.5	5-30	26-40	1.8
	Case16.6	2	2	3	5-30	26-40	1.8

ตารางภาคผนวก ข. ตัวแปรตามกรณีที่ทำการศึกษา (ต่อ)

Series No.	Case	B (m)	L (m)	D_f (m)	Soil properties		
					C (t/m^2)	ϕ (deg)	γ_{sat} (t/m^3)
	Case13.1	2	2	1	5-30	26-40	2.0
	Case13.2	2	2	1.25	5-30	26-40	2.0
	Case13.3	2	2	1.5	5-30	26-40	2.0
	Case13.4	2	2	2	5-30	26-40	2.0
	Case13.5	2	2	2.5	5-30	26-40	2.0
	Case13.6	2	2	3	5-30	26-40	2.0
	Case14.1	2.5	2.5	1	5-30	26-40	1.6
	Case14.2	2.5	2.5	1.25	5-30	26-40	1.6
	Case14.3	2.5	2.5	1.5	5-30	26-40	1.6
	Case14.4	2.5	2.5	2	5-30	26-40	1.6
	Case14.5	2.5	2.5	2.5	5-30	26-40	1.6
	Case14.6	2.5	2.5	3	5-30	26-40	1.6
	Case15.1	2.5	2.5	1	5-30	26-40	1.8
	Case15.2	2.5	2.5	1.25	5-30	26-40	1.8
	Case15.3	2.5	2.5	1.5	5-30	26-40	1.8
	Case15.4	2.5	2.5	2	5-30	26-40	1.8
	Case15.5	2.5	2.5	2.5	5-30	26-40	1.8
	Case15.6	2.5	2.5	3	5-30	26-40	1.8
	Case16.1	2.5	2.5	1	5-30	26-40	2.0
	Case16.2	2.5	2.5	1.25	5-30	26-40	2.0
	Case16.3	2.5	2.5	1.5	5-30	26-40	2.0
	Case16.4	2.5	2.5	2	5-30	26-40	2.0
	Case16.5	2.5	2.5	2.5	5-30	26-40	2.0
	Case16.6	2.5	2.5	3	5-30	26-40	2.0

ภาคผนวก ค.

การตรวจสอบความถูกต้องผลการวิเคราะห์ q_u โดยโปรแกรม Microsoft Excel ที่พัฒนา

ตรวจสอบความถูกต้องของสูตรและโปรแกรมคอมพิวเตอร์ที่ใช้คำนวณ

<u>กรณีดินทราย</u>

ตรวจสอบ วิธีของ Terzaghi's Bearing Capacity

ข้อมูลจากตารางที่ ก-3 : จงคำนวณหา Ultimate Bearing Capacity ของฐานรากสี่เหลี่ยมจัตุรัสขนาด 2*2 m^2, D_f = 1 m, c = 0 t/m^2, ϕ = 32 deg, γ_{sat} = 1.6 t/m^3 and Gwt = 0 m

Solution

From ϕ = 32 deg, Nc = 44.04, Nq = 28.52 N_γ = 29.87

γ' = $\gamma_{sat} - \gamma_w$

Qu = Ap* (qu)

qu = $(1.3*c*N_c) + (q'N_q) * (0.4*B*\gamma'N_\gamma)$

γ' = 1.6 t/m^3 - 1 t/m^3

= 0.6 t/m^3

qu = $(1.3*0\ t/m^2*44.04) + (0.6\ t/m^3*1m*28.5) + (0.4*2m*0.6t/m^3*29.87)$

= $(0) + (17.18\ t/m^2) + (14.34\ t/m^2)$

= 31.52 t/m^2

Qu = $(4\ m^2) * (31.5\ t/m^2)$

= 126 t

∴ จะเห็นได้ว่าค่าที่คำนวณได้เท่ากับค่าที่คำนวณได้จากการเขียนสูตร

ตรวจสอบ วิธีของ General Bearing Capacity

ข้อมูลจากตารางที่ 4.35

Solution

From ϕ = 32 deg, Nc = 35.49, Nq = 23.18, N_γ = 30.22

$\gamma' = \gamma_{sat} - \gamma_w$

$Qu = Ap*(qu)$

$qu = cN_cF_{cs}F_{cd}F_{ci} + qN_qF_{qs}F_{qd}F_{qi} + 0.5\gamma BN_\gamma F_{\gamma s}F_{\gamma d}F_{\gamma i}$

$\gamma' = 1.6\ t/m^3 - 1\ t/m^3$

$= 0.6\ t/m^3$

$F_{cs} = 1 + (B/L)(N_q/N_c)$

$= 1 + [(2\ m/2\ m)*(23.18/35.49)]$

$= 1.65$

$F_{cd} = 1 + 0.4(D_f/B)$

$= 1 + [0.4*(1m/2m)$

$= 1.2$

$F_{qs} = 1 + (B/L)\tan\phi$

$= 1 + [(2m/2m)*\tan 32]$

$= 1.625$

$F_{qd} = 1 + 2\tan\phi(1-\sin\phi)^2(D_f/B)$

$= 1 + [2\tan 32(1-\sin 32)^2(1\ m/2\ m)]$

$= 1.14$

$F_{\gamma s} = 1 - 0.4(B/L)$

$= 1 - [0.4*(2\ m/2\ m)]$

$= 0.6$

$F_{ci} = F_{qi} = F_{\gamma d} = F_{\gamma I} = 1$

qu = $(0\ t/m^2*35.49*1.65*1.2*1) + (0.6\ t/m^3*1\ m*23.18*1.625*1.14*1) + (0.5*0.6\ t/m^3*2\ m*30.22*0.6*1*1)$

= $36.64\ t/m^2$

Qu = $(4\ m^2) * (36.64\ t/m^2)$

= 146.5 t

∴ จะเห็นได้ว่าค่าที่คำนวณได้เท่ากับค่าที่คำนวณได้จากการเขียนสูตร

Check : ผลการตรวจสอบปรากฏว่าได้ผลตรงกับที่คำนวณได้จากโปรแกรมคอมพิวเตอร์ จึงสรุปได้ว่าเชื่อถือได้และถูกต้อง

<u>กรณีดินเหนียว</u>

ตรวจสอบ วิธีของ Terzaghi's Bearing Capacity

ข้อมูลจากตารางที่ ก.9 : จงคำนวณหา Ultimate Bearing Capacity ของฐานรากสี่เหลี่ยมจัตุรัสขนาด 1*1 m^2, D_f = 1 m, c = 10 t/m^2, ϕ = 0 deg, γ_{sat} = 1.6 t/m^3 and Gwt = 0 m

Solution

From ϕ = 0 deg, Nc = 5.7, Nq = 1, N_γ = 0

γ'	=	$\gamma_{sat} - \gamma_w$
Qu	=	Ap* (qu)
qu	=	$(1.3*c*N_c) + (q'N_q) * (0.4*B*\gamma'N_\gamma)$
γ'	=	1.6 t/m^3 - 1 t/m^3
	=	0.6 t/m^3
qu	=	$(1.3*10\ t/m^2*5.7) + (0.6\ t/m^3*1m*1) + (0.4*1\ m*0.6t/m^3*0)$
	=	$(74.1\ t/m^2) + (0.6\ t/m^2) + (0)$
	=	74.7 t/m^2
Qu	=	$(1\ m^2) * (74.7\ t/m^2)$
	=	74.7 t

ข้อมูลจากตารางที่ ก.9 : จงคำนวณหา Ultimate Bearing Capacity ของฐานรากสี่เหลี่ยมจัตุรัสขนาด 1*1 m^2, D_f = 1 m, c = 10 t/m^2, ϕ = 0 deg, γ_{sat} = 1.8 t/m^3 and Gwt = 0 m

Solution

From ϕ = 0 deg, Nc = 5.7, Nq = 1, N_γ = 0

γ' = $\gamma_{sat} - \gamma_w$

Qu = Ap* (qu)

qu = $(1.3*c*N_c) + (q'N_q) * (0.4*B*\gamma'N_\gamma)$

γ' = 1.8 t/m^3 - 1 t/m^3

= 0.8 t/m^3

qu = $(1.3*10\ t/m^2*5.7) + (0.8\ t/m^3*1m*1) + (0.4*1\ m*0.6t/m^3*0)$

= $(74.1\ t/m^2) + (0.8\ t/m^2) + (0)$

= 74.9 t/m^2

Qu = $(1\ m^2) * (74.9\ t/m^2)$

= 74.9 t

ผลการตรวจสอบปรากฏว่าได้ผลตรงกับที่คำนวณได้จากโปรแกรมคอมพิวเตอร์ จึงสรุปได้ว่าเชื่อถือได้และถูกต้อง

และเห็นว่า ในกรณีดินเหนียวเมื่อเป็นดินเหนียวชนิดเดียวกัน (c เท่ากัน) เมื่อค่า γ_{sat} เปลี่ยนแปลงไป จะมีผลกระทบต่อค่า qu น้อยมาก