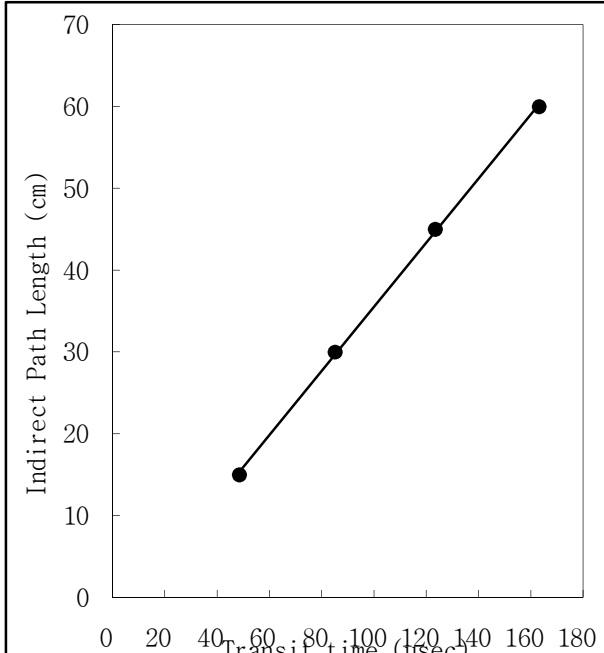
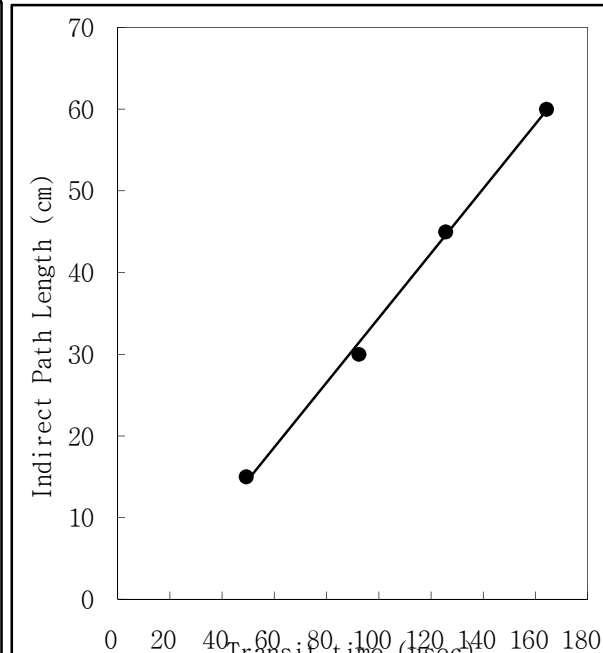
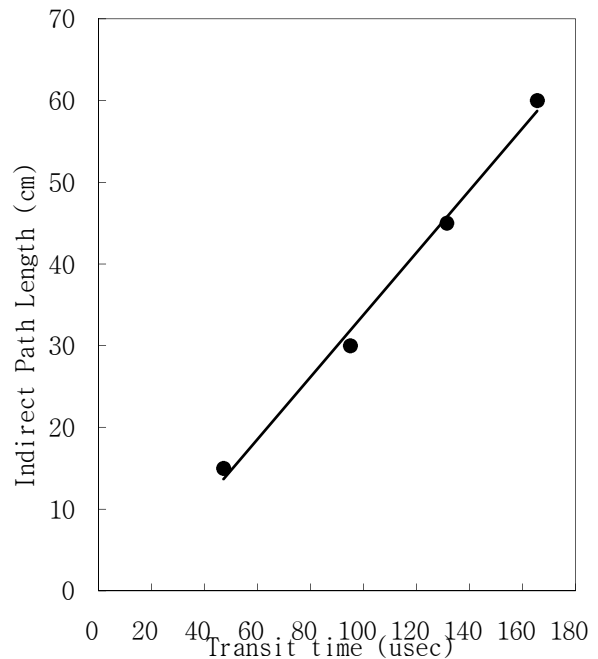
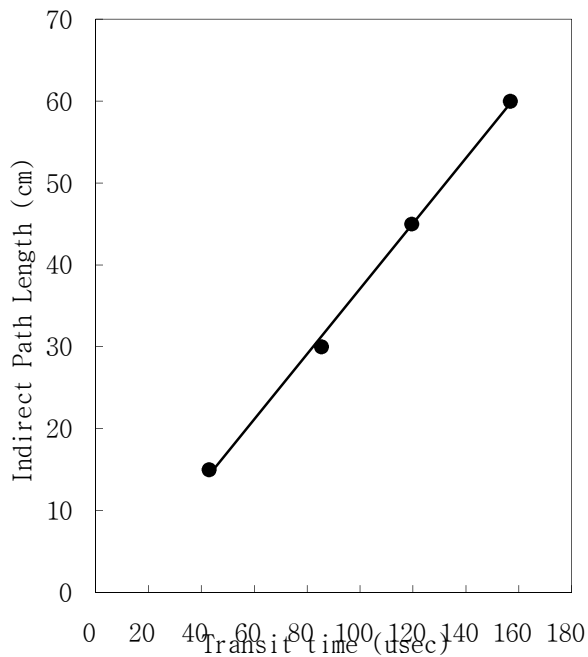


PUNDIT		물곡2교(상) 초음파속도 DATA	
PROJECT TITLE :		국도37호선 물곡2교(상) 정밀안전진단 용역	
Company	 (주)명 성 엔 지 니 어 링	Client	의정부국토관리사무소
		Method	초음파법
Pulse Velocity Data			
(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)			
부 재 명	S1 바닥판하면	부 재 명	S2 바닥판하면
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
48.5	15	49.2	15
85.1	30	92.3	30
123.5	45	125.6	45
163.2	60	164.2	60
Best fit line (Equation)		Best fit line (Equation)	
Y = 3.920 X - 36.923		Y = 3.956 X - 51.556	
Vi (km/s)	3.920	Vi (km/s)	3.956
Correction Ration (Vi → Vd)	4.116	Correction Ration (Vi → Vd)	4.154
일본재료학회식(F')	29.7	일본재료학회식(F')	30.1
일본건축학회식(F')	26.0	일본건축학회식(F')	26.8
			

Pulse Velocity Data

(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)

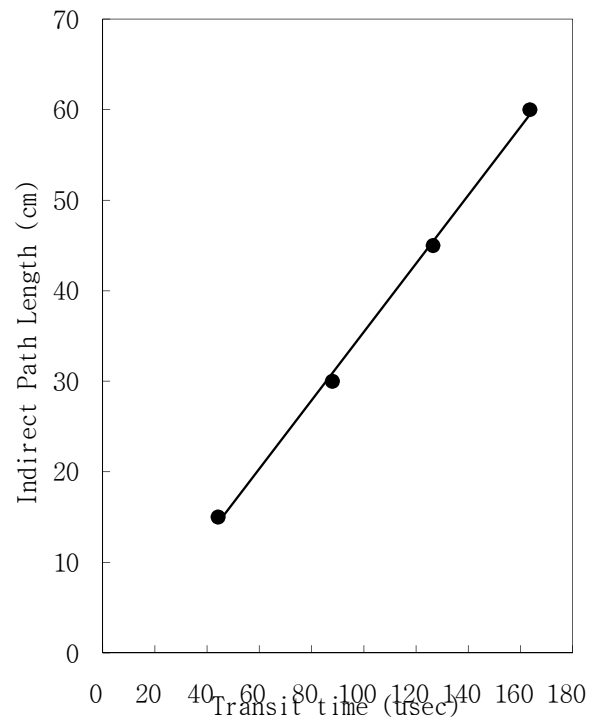
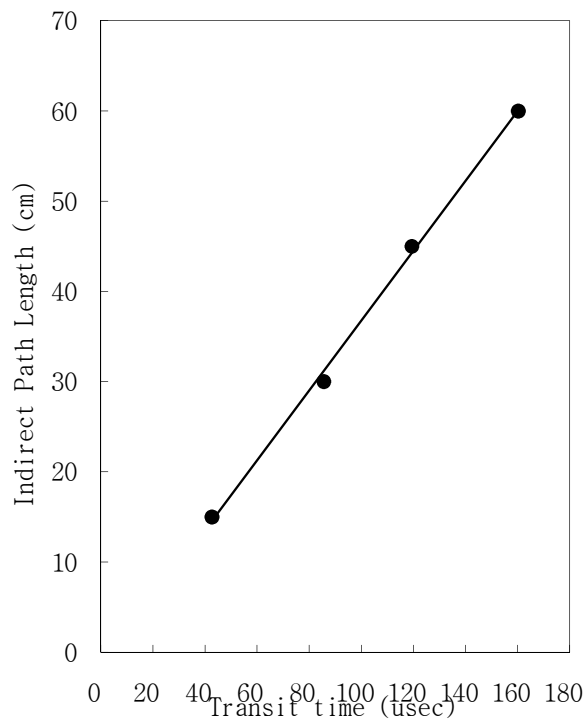
부 재 명	S3 바닥판하면	부 재 명	A1 교대
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
42.9	15	47.2	15
85.4	30	95.0	30
119.5	45	131.4	45
156.8	60	165.5	60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 3.984 X - 27.969$		$Y = 3.808 X - 43.021$	
Vi (km/s)	3.984	Vi (km/s)	3.808
Correction Ration (Vi → Vd)	4.183	Correction Ration (Vi → Vd)	3.998
일본재료학회식(F')	30.3	일본재료학회식(F')	28.5
일본건축학회식(F')	27.4	일본건축학회식(F'))	23.5



Pulse Velocity Data

(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)

부 재 명	A2 교대	부 재 명	P1 교각
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
42.7	15	44.2	15
85.6	30	87.9	30
119.4	45	126.5	45
160.3	60	163.6	60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 3.873 X - 20.011$		$Y = 3.775 X - 23.421$	
Vi (km/s)	3.873	Vi (km/s)	3.775
Correction Ration (Vi → Vd)	4.067	Correction Ration (Vi → Vd)	3.964
일본재료학회식(F')	29.2	일본재료학회식(F')	28.2
일본건축학회식(F')	24.9	일본건축학회식(F')	22.8



Pulse Velocity Data

(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)

부재명	P2 교각	부재명	
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
49.3	15		15
101.5	30		30
142.5	45		45
161.8	60		60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 3.816 X - 59.156$		#DIV/0!	
Vi (km/s)	3.816	Vi (km/s)	####
Correction Ration (Vi → Vd)	4.007	Correction Ration (Vi → Vd)	####
일본재료학회식(F')	28.6	일본재료학회식(F')	####
일본건축학회식(F')	23.7	일본건축학회식(F')	####

