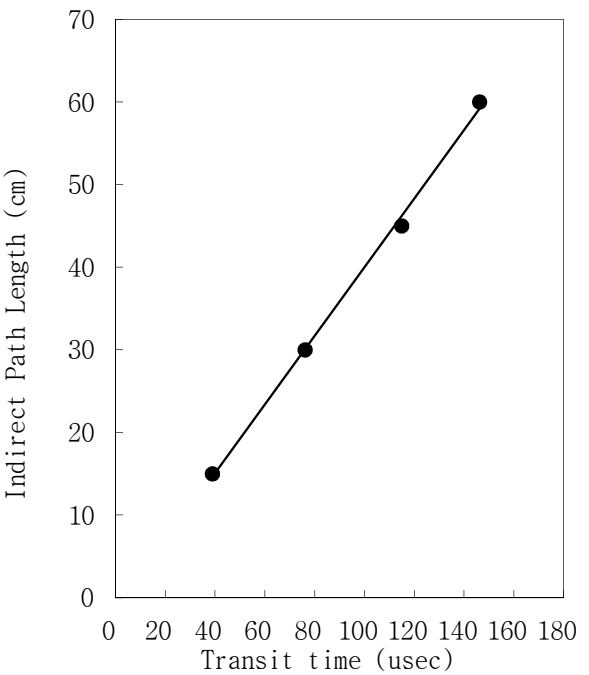
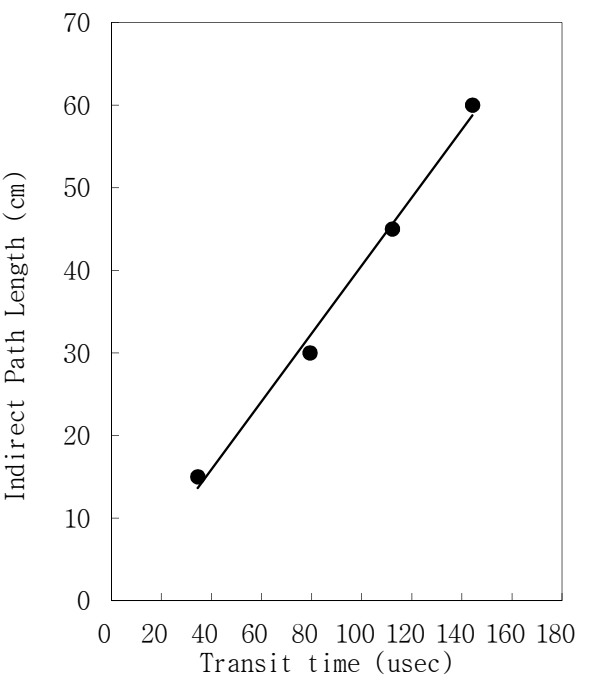
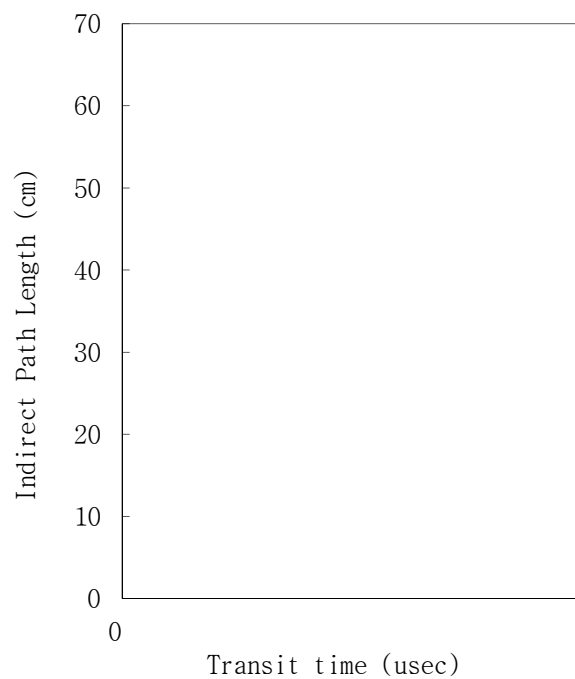
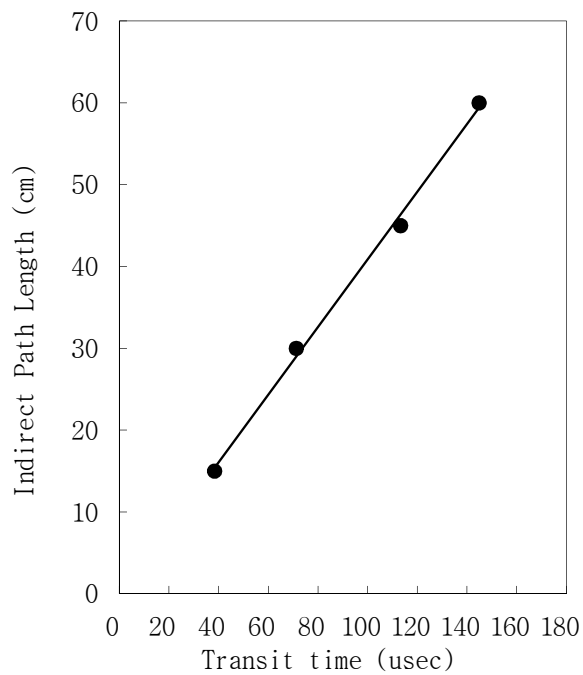


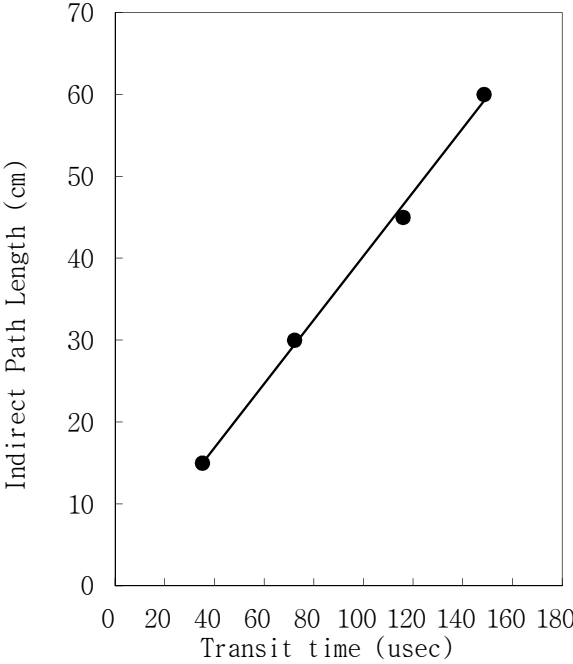
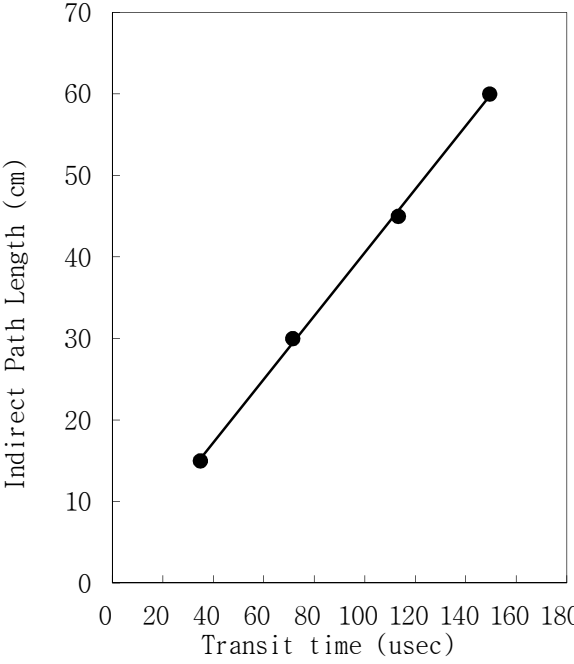
PUNDIT		용성2교 천안방향 초음파탐사 DATA	
PROJECT TITLE :		논산천안고속도로 1종시설물 정밀안전진단 용역 (2구역)	
Company	 (주) 한국구조물안전연구원	Client	 (주)천안논산고속도로
	 (주) 한 맥 기 술	Method	초음파법
Pulse Velocity Data			
(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)			
부 재 명	S1(건전부)	부 재 명	S2(건전부)
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
38.9	15	34.5	15
76.1	30	79.3	30
114.9	45	112.2	45
146.2	60	144.2	60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 4.150 X - 15.24$		$Y = 4.114 X - 5.763$	
Vi (km/s)	4.150	Vi (km/s)	4.114
Correction Ration (Vi → Vd)	4.358	Correction Ration (Vi → Vd)	4.320
압축강도(F')	31.1	압축강도(F')	30.3
			

Pulse Velocity Data

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

부 재 명	S3(건전부)	부 재 명	
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
38.3	15		15
71.2	30		30
113.2	45		45
144.8	60		60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 4.137 X - 5.094$		#DIV/0!	
Vi (km/s)	4.137	Vi (km/s)	
Correction Ration (Vi → Vd)	4.344	Correction Ration (Vi → Vd)	
압축강도(F')	30.8	압축강도(F')	



PUNDIT		용성2교 천안방향 초음파탐사 DATA	
PROJECT TITLE :		논산천안고속도로 1종시설물 정밀안전진단 용역 (2구역)	
Company	 (주) 한국구조물안전연구원	Client	 (주)천안논산고속도로
	 (주) 한 맥 기 술	Method	초음파법
Pulse Velocity Data			
(Vi : Indirect Pluse Velocity, Vd : Direct Pluse Velocity)			
부 재 명	A1 벽체	부 재 명	A2 벽체
X	Transit Time (usec)	X	Transit Time (usec)
Y	Indirect Path Length (cm)	Y	Indirect Path Length (cm)
X	Y	X	Y
35.1	15	34.8	15
72.2	30	71.4	30
115.9	45	113.2	45
148.5	60	149.4	60
Best fit line (Equation)		Best fit line (Equation)	
$Y = 3.896 X + 12.936$		$Y = 3.887 X + 16.621$	
Vi (km/s)	3.896	Vi (km/s)	3.887
Correction Ration (Vi → Vd)	4.091	Correction Ration (Vi → Vd)	4.081
압축강도(F')	25.5	압축강도(F')	25.2
			

Pulse Velocity Data

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

부 재 명	P1 코평부		부 재 명	P2 기둥부	
X	Transit Time (usec)		X	Transit Time (usec)	
Y	Indirect Path Length (cm)		Y	Indirect Path Length (cm)	
X		Y	X		Y
32.9		15	32.7		15
75.2		30	71.5		30
110.5		45	115.6		45
147.8		60	144.2		60
Best fit line (Equation)			Best fit line (Equation)		
$Y = 3.942 X + 13.936$			$Y = 3.936 X + 16.842$		
Vi (km/s)	3.942		Vi (km/s)	3.936	
Correction Ration (Vi → Vd)	4.139		Correction Ration (Vi → Vd)	4.133	
압축강도(F')	26.5		압축강도(F')	26.4	

Transit time (usec)

Transit time (usec)