COMUNE DI VERONA
AZIENDA MOBILITA' TRASPORTI S.P.A.

SISTEMA DI TRASPORTO PUBBLICO DI TIPO FILOVIARIO

GARA D'APPALTO PER LA PROGETTAZIONE ESECUTIVA, L'ESECUZIONE DEI LAVORI E LA FORNITURA DEI VEICOLI

OFFERTA TECNICA
B2 - PROGETTO DEFINITIVO

PROGETTO :

INQUADRAMENTO GENERALE
STUDI E INDAGINI
Indagini conoscitive sullo stato delle pavimentazioni esistenti
Risultati delle indagini sullo stato delle pavimentazioni stradali esistenti

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elletipi s.r.l.

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Cooperativa di Costruzioni s.c.

RISULTATI DELL'INDAGINE IN SITU CON FWD – PROGETTO DI UN SISTEMA DI TRASPORTO PUBBLICO FILOVIARIO

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Committente:

Cooperativa di Costruzioni s.c.

Via Repubblica Val di Taro 165, Modena

Oggetto:

PROVE DEFLETTOMETRICHE CONDOTTE CON FWD NEL COMUNE DI VERONA

Titolo:

RISULTATI DELL'INDAGINE FWD, COMUNE DI VERONA – PROGETTO DI UN SISTEMA DI TRASPORTO PUBBLICO FILOVIARIO

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1 PREMESSA 4
2 DESCRIZIONE DELLA PROVA E DELL'APPARECCHIATURA UTILIZZATA 4
2.1 Strumentazione FWD 5
2.2 Specifiche tecniche della strumentazione FWD 7
2.3 Riferimenti normativi 7
3 DESCRIZIONE DELL'INTERVENTO 8
3.1 Campagna di rilievo 8
3.2 Sezione tipo 9
4 BACK-CALCULATION DEI DATI MISURATI CON FWD 10
4.1 Fattori d'influenza sui moduli elastici calcolati: procedura di normalizzazione. 11
4.2 Scelta delle sezioni tipo per il calcolo 13
5 RISULTATI 15
5.1 Moduli elastici equivalenti e spessori 15
5.2 Risultati sulle pavimentazioni in pavé – via degli Alpini 18
6 CONCLUSIONI 19
7 ALLEGATI 20

1 PREMESSA

In data 13/09/2010 la Società Elletipi S.r.l. ha ricevuto incarico dalla Cooperativa di Costruzioni s.c. per l'espletamento di prove deflettometriche finalizzate alla determinazione dei moduli equivalenti degli strati componenti le pavimentazioni nell'ambito del progetto per la realizzazione del trasporto pubblico di tipo filoviario per la città di Verona.

Le prove con apparecchiatura Falling Weight Deflectometer (FWD) sono state condotte in data 31 ottobre 2010 ed hanno previsto le seguenti fasi:

- rilievo degli spessori dello strato di conglomerato bituminoso mediante carotaggi superficiali;
- esecuzione di prove non distruttive con apparecchiatura FWD (Falling Weight Deflectometer) lungo i tratti stradali interessati dall'intervento;
- rilevamenti della temperatura dell'aria, della superficie stradale e degli strati legati della pavimentazione durante la campagna di prova;
- valutazione del modulo elastico dei vari strati della pavimentazione attraverso tecnica di calcolo backcalculation.

2 DESCRIZIONE DELLA PROVA E DELL'APPARECCHIATURA UTILIZZATA

La prova FWD (Falling Weight Deflectometer) è un metodo di indagine non distruttivo che viene impiegato per la misurazione in sito delle proprietà strutturali di una pavimentazione.

Tale metodo consiste nel misurare la deflessione verticale della pavimentazione indotta da un carico impulsivo generato dalla caduta di una massa su una piastra posata sulla superficie dello strato superiore della sovrastruttura. Durante il test sono misurati i seguenti parametri:

1) Spostamenti verticali, in µm;
2) Carico verticale sulla piastra, in kN.

Il carico applicato viene misurato attraverso una cella di carico posizionata in corrispondenza della piastra circolare che insiste sulla superficie della pavimentazione in esame. I valori di picco del carico e la durata dell'impulso vengono registrati per ogni battuta di prova. Le deformazioni indotte dal carico vengono misurate per mezzo di una serie di geofoni posizionati lungo diversi punti giacenti su un allineamento orizzontale, così da poter individuare il bacino di deflessione prodotto al momento dell'impatto della massa battente. I valori delle deflessioni sono ottenuti, successivamente, integrando il segnale dell'accelerazione registrata da ogni singolo geofono, con una risoluzione pari a 1 µm. Dal momento che i geofoni misurano l'accelerazione dell'abbassamento della superficie della pavimentazione, non è necessario fissare alcun piano di riferimento rispetto al quale riferire la misura.

Lo schema di configurazione del test deflettometrico è riportato in Figura 1.

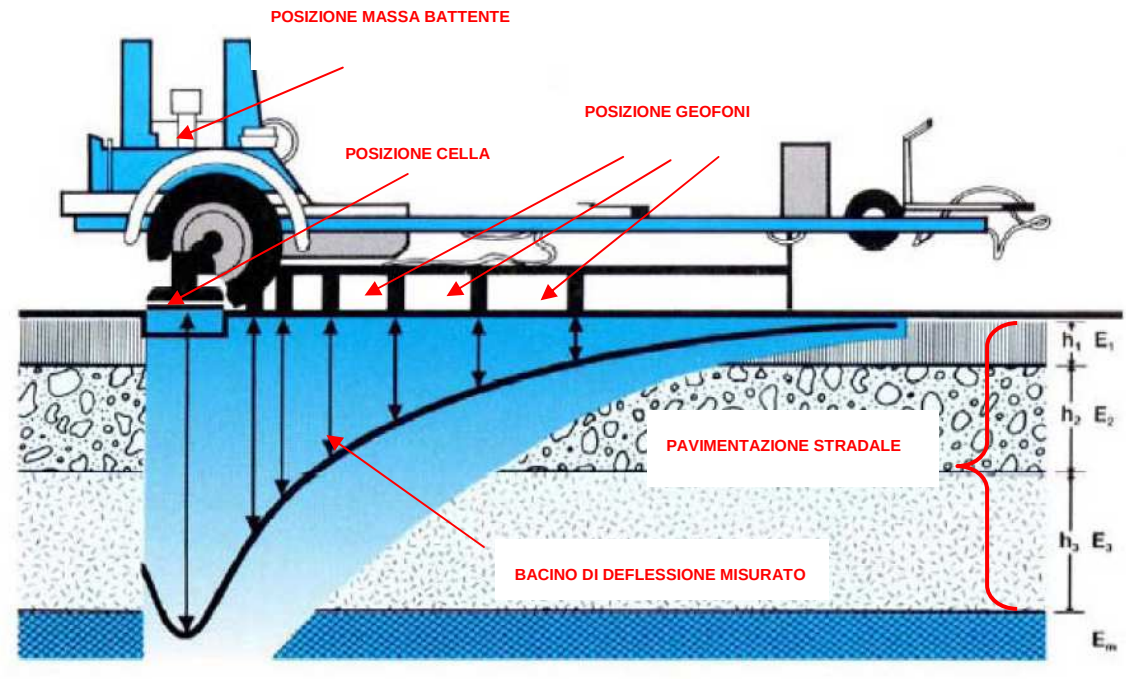

Figura 1 – Schema di configurazione del test FWD

2.1 Strumentazione FWD

Una rappresentazione della strumentazione utilizzata da Elletipi S.r.l. è riportata nella seguente Figura 2.

Figura 2: strumentazione FWD di Elletipi S.r.l.

Il dispositivo di battuta è composto da una massa metallica montata su una guida verticale che viene sollevata meccanicamente fino a un'altezza predeterminata, solitamente compresa tra i 50 e i 390 mm. A tale altezza, la massa è lasciata cadere su un buffer di gomma originando un carico dinamico. Il carico è

trasmesso alla pavimentazione attraverso una piastra di diametro 300 mm, sotto la quale è presente un sottile strato di gomma dello spessore di 5.6 mm, impiegato per distribuire uniformemente la pressione di carico sull'intera superficie della piastra.

L'altezza di caduta e la selezione dei buffer vengono scelte in modo da generare un impulso dinamico, sulla pavimentazione, che ha onda semisinusoidale di ampiezza pari a circa 0,30 ms come riportato in Figura 3, il cui effetto risulta simile al passaggio a 40 km/h di un veicolo pesante su una sezione della pavimentazione.

Il valore di picco del carico è stato scelto pari a 60 kN, per una pressione sulla piastra di carico di circa 850 kPa.

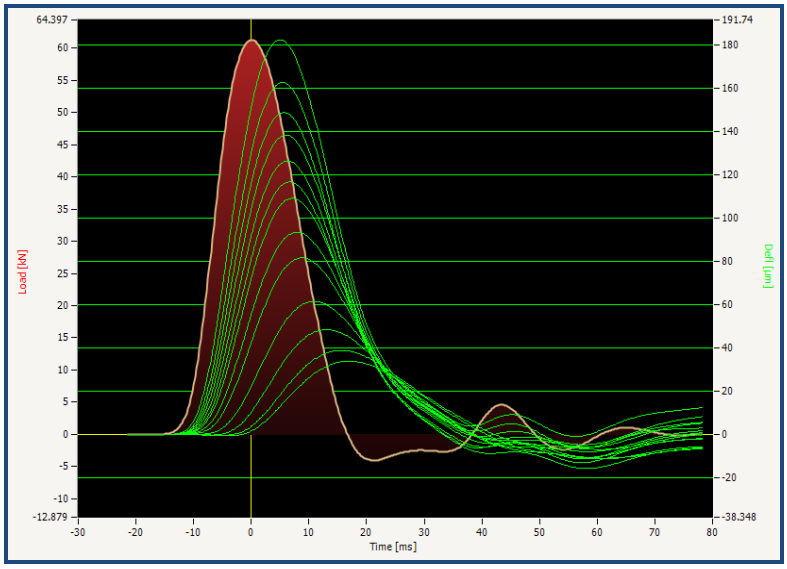

Figura 3: forma d'onda generata dalla massa battente

La lettura degli spostamenti si riferisce al valore di picco dell'onda di carico registrata dai geofoni.

L'apparecchiatura FWD utilizzata è dotata di 13 geofoni posti a una distanza di 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.9, 1.10, 1.50, 1.90, 2.30 e 2.50 metri dal centro della piastra di carico; il primo geofono è posto al centro della piastra.

Durante la fase di elaborazione dei dati viene applicato un filtro di 60 Hz in modo da ridurre al minimo eventuali disturbi dei segnali indotti sia dalla oscillazione del corpo stradale, sia dal traffico transitante durante le fasi di misura.

2.2 Specifiche tecniche della strumentazione FWD

Le specifiche tecniche della strumentazione FWD sono sinteticamente riportate nella seguente Tabella 1.

Dimensioni rimorchio	
L×W×H [m] (esculse luci di sicurezza)	4.30×1.84×1.30
Peso (escluse masse battenti)	1180 kg
Numero di assi	2
Caratteristiche del carico	
Range di carico	7-150 kN
Durata del carico	25-30 ms
Forma del carico	haversine
Tempo di raggiungimento del picco	≈ 10 ms
Cella di carico	
Precisione	2% +/- 0.2 kN
Accuratezza	0.1 kN (1kPa)
Piastra di carico	4-split, diametro 300 mm
Sensori di spostamento	
Tipologia del sensore	sensori di velocità sismica
Numero di geofoni	13
Precisione dei geofoni	> +/- 2%
Accuratezza dei geofoni	1 µm
Range operativo	2200 µm
Barra di sostegno	2500 mm dal centro
Sensori di temperatura	
Tipologia del sensore	PT 100
Numero di sensori	3 (surface, air, manual)
Precisione dei sensori	> +/- 1 ℃
Accuratezza dei sensori	0.1 ℃
Misura delle distanze	
Contatore GPS	

Tabella 1: caratteristiche tecniche FWD

2.3 Riferimenti normativi

Le operazioni di misura e di trattamento dati con strumentazione FWD sono state effettuate con riferimento agli standard ASTM riportate nel seguito:

a) ASTM 4694 – 96, standard test method for deflections with a falling weight type impulse load device;
b) ASTM 4695 – 03, standard guide for general pavement deflection measurements;
c) ASTM 5858 – 96, standard guide for calculating in situ equivalent elastic moduli of pavement materials using layered elastic theory.

3 DESCRIZIONE DELL'INTERVENTO

3.1 Campagna di rilievo

Complessivamente, sono state eseguite 80 battute con FWD e 31 carotaggi per i soli strati superficiali in conglomerato bituminoso del pacchetto stradale. I carotaggi hanno permesso di determinare gli spessori dei conglomerati, dato di input necessario nella procedura di back-calculation. Alcune sezioni di misura non hanno fornito una elaborazione dei dati accettabile e non sono state riportate nella presente relazione.

Le misurazioni hanno seguito il percorso di progetto delle linee filo tramviarie che viene, schematicamente, riportato in Figura 4.

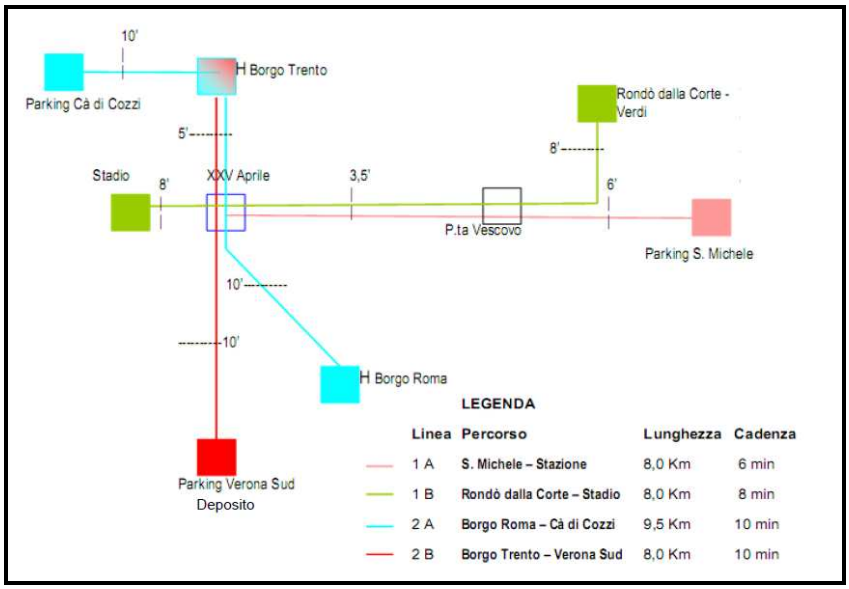

Figura 4: schema del sistema di trasporto filoviario

3.2 Sezione tipo

Per assenza di ulteriori informazioni relative alla stratigrafia dei terreni, la sezione tipo, riportata nella seguente Figura 5, è stata divisa in due strati: il primo di conglomerato bituminoso, il cui spessore è stato determinato mediante carotaggi, il secondo dal sottostante terreno in situ. Le indagini stratigrafiche hanno evidenziato la presenza di sottofondi ghiaiosi con ciottoli arrotondati, con matrice sabbiosa e, in profondità, si rilevano lenti di limo.

Figura 5: sezione tipo del pacchetto stradale

In alcune sezioni di misura (sez. 12, 16, 17, 47, 48 e 49) nei tratti di via Città di Nimes, compreso tra piazza Renato Simoni e via Berni e via degli Alpini, le pavimentazioni sono di tipo a pavé.

Foto 1: pavimentazione in pavé in via Città di Nimes

In tali tratti stradali, non è stato possibile effettuare efficacemente l'indagine con FWD, sia per l'irregolarità del piano viabile, che non garantisce il corretto contatto dei geofoni inficiando l'opportuna acquisizione dei dati, sia per la natura del materiale stesso, macroscopicamente disomogeneo. I fattori sopra citati rendono

non completamente attendibile un calcolo puntuale delle proprietà meccaniche dei materiali in termini di modulo elastico equivalente; per tale caso è tuttavia stato possibile stabilire qualitativamente la risposta meccanica del pacchetto stradale e la tipologia di sottofondo.

4 BACK-CALCULATION DEI DATI MISURATI CON FWD

La backcalculation è un processo iterativo. Gli input della procedura sono di seguito elencati:

- Bacino di deflessione misurato;
- Geometria del carico;
- Spessore degli strati.

I dati relativi alle misure del bacino di deflessione e alla misura del picco di carico applicato vengono elaborati con il processo di calcolo a ritroso effettuato con software dedicato, al fine di valutare i moduli elastici equivalenti dei singoli strati costituenti la pavimentazione stradale in esame.

Data la non omogeneità dei materiali impiegati nelle pavimentazioni, il modulo può variare da punto a punto all'interno di uno stesso strato a causa della reale distribuzione delle tensioni. Il modulo elastico equivalente rappresenta il valore medio del modulo elastico dello strato analizzato.

Sotto opportune ipotesi di elasticità, omogeneità ed isotropia dell'ammasso e spazio semi-illimitato, noti gli spessori della pavimentazione, è possibile applicare la metodologia 'Deflection Basin Fit' che combina la teoria di Odemark con l'equazione di Boussinesq e sfrutta tecniche di integrazione numerica che consentono di calcolare per iterazioni successive i moduli dei singoli strati in cui è stata schematizzata la sovrastruttura.

Per ogni serie di moduli elastici equivalenti ipotizzata, viene calcolato il bacino di deflessione che risulterebbe dallo stesso carico che è stato applicato realmente in sito. Il bacino calcolato dal software viene successivamente confrontato con quello misurato in sito e una nuova serie di moduli di rigidezza viene generata sulla base dell'ampiezza delle differenze riscontrate e il processo iterativo continua fino a quando il bacino di deflessione calcolato approssima il bacino misurato in sito, in modo tale da rendere minimo l'RMSE ovvero "Root Mean Square Error" (errore quadratico medio).

E' importante evidenziare che i risultati del test FWD sono fortemente influenzati dalle condizioni ambientali ed in particolare dalla temperatura degli strati legati. Per ottenere valori significativi, pertanto, è necessario riportare i risultati ottenuti dal calcolo a ritroso (backcalculation) a temperature di riferimento per mezzo di formule empiriche disponibili in letteratura. I valori del modulo elastico sono ricondotti generalmente alle temperature di 20℃.

Per il metodo di calcolo adottato, il geofono più lontano dalla piastra di carico, è riferito agli spostamenti relativi agli strati più profondi, mentre i geofoni posti in prossimità del centro di battuta sono relativi alle deflessioni degli strati superficiali.

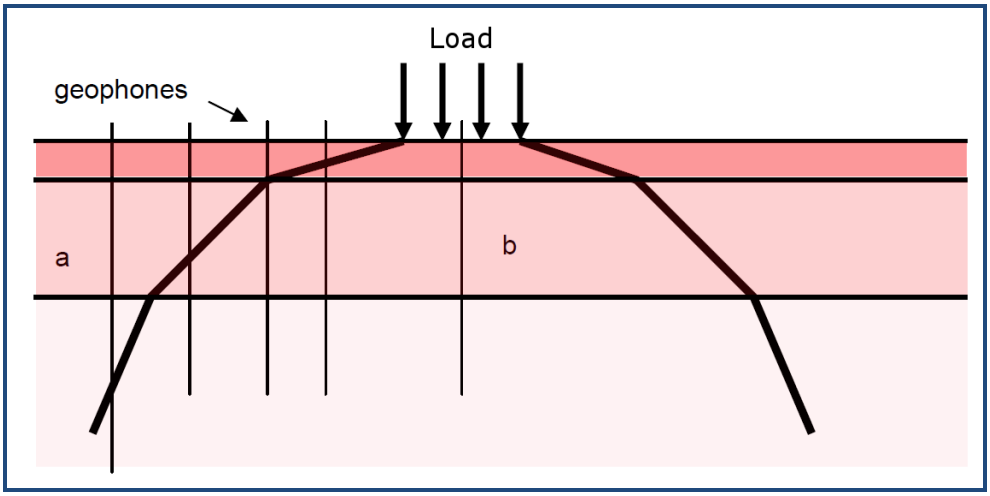

Figura 6: distribuzione delle tensioni nella pavimentazione

Si rileva che, le teorie di calcolo adottate, consentono di determinare una grandezza ingegneristica caratteristica dello strato ipotizzato che non sempre coincide con la tipologia di materiale, quanto più con la sua risposta a sollecitazioni impulsive.

4.1 Fattori d'influenza sui moduli elastici calcolati: procedura di normalizzazione.

Il modulo elastico calcolato da misure FWD è influenzato principalmente da due parametri:

a) Livello tensionale;
b) Temperatura.

Lo stato tensionale dipende sia dal carico verticale sia dalla pressione di confinamento sul materiale. Per livelli di carico lontani dalla condizione di rottura dei materiali, gli spostamenti verticali possono essere considerati come totalmente recuperabili, rendendo possibile calcolare la rigidezza degli strati in termini di modulo elastico.

Dal momento che la rigidezza degli strati in conglomerato bituminoso dipende fortemente dalla temperatura, il modulo equivalente ricavato da backcalculation deve essere corretto nel valore corrispondente alla temperatura standard scelta (generalmente 20℃).

In figura 7 è riportato il fattore di correzione della temperatura, funzione della temperatura misurata in situ. Il modulo definito dalla backcalculation è relativo alla temperatura al momento della prova.

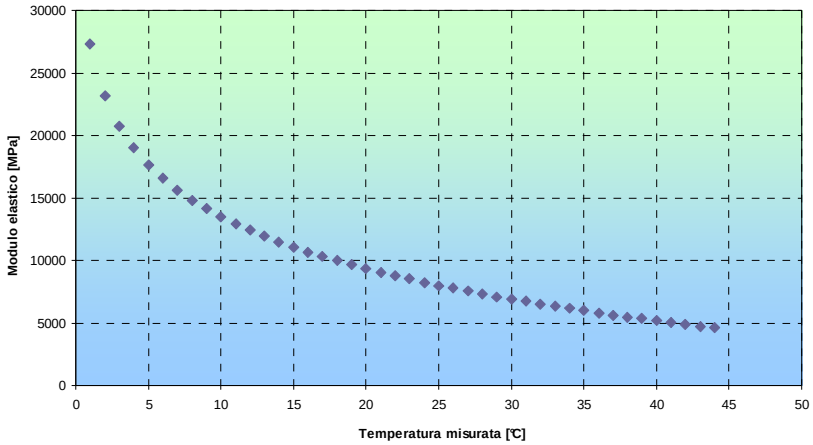

Figura 7: dipendenza dalla temperatura del modulo elastico del conglomerato bituminoso

Il fattore di correzione (CF) è calcolato con la seguente espressione:

$$CF = 0.000000297\ \theta^5 - 0.000022\ \theta^4 + 0.000597\ \theta^3 - 0.00671\ \theta^2 + 0.04774\ \theta + 0.49937$$

Dove θ è la temperatura misurata in situ, in °C. I coefficienti della formula precedente sono stati calibrati con riferimento a una temperatura di 20 °C.

L'andamento del fattore di correzione in funzione della temperatura è fornito nella seguente Figura 8.

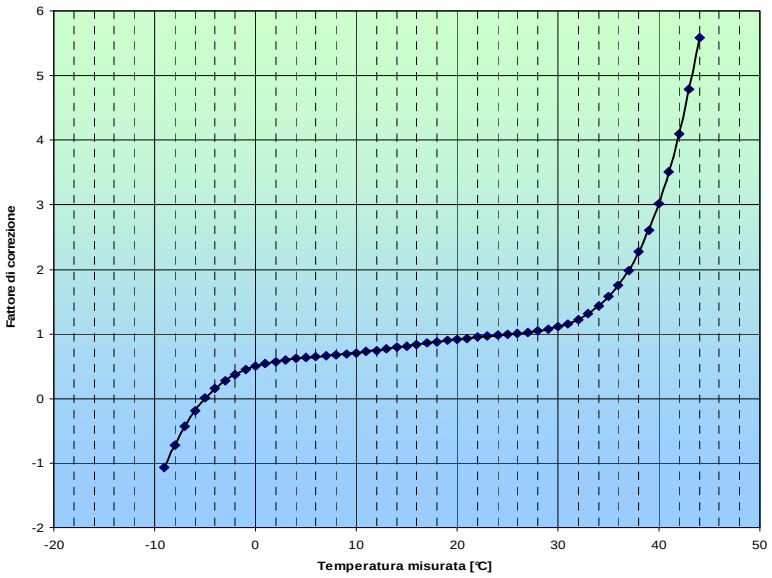

Figura 8: andamento del fattore di correzione al variare della temperatura

4.2 Scelta delle sezioni tipo per il calcolo

Nella procedura di elaborazione, il limitato numero di strati (2) non si è rivelato sufficiente fornire risultati soddisfacenti e si è reso necessario l'inserimento di ulteriori strati fittizi per permettere una corretta convergenza dei bacini misurati con quelli calcolati. Gli strati aggiunti devono essere interpretati come presenza di elementi di disomogeneità e disturbo del sottofondo illimitato, e non necessariamente come stratificazioni reali di materiali diversi.

Una schematica rappresentazione della sezione di calcolo è riportata in Figura 9.

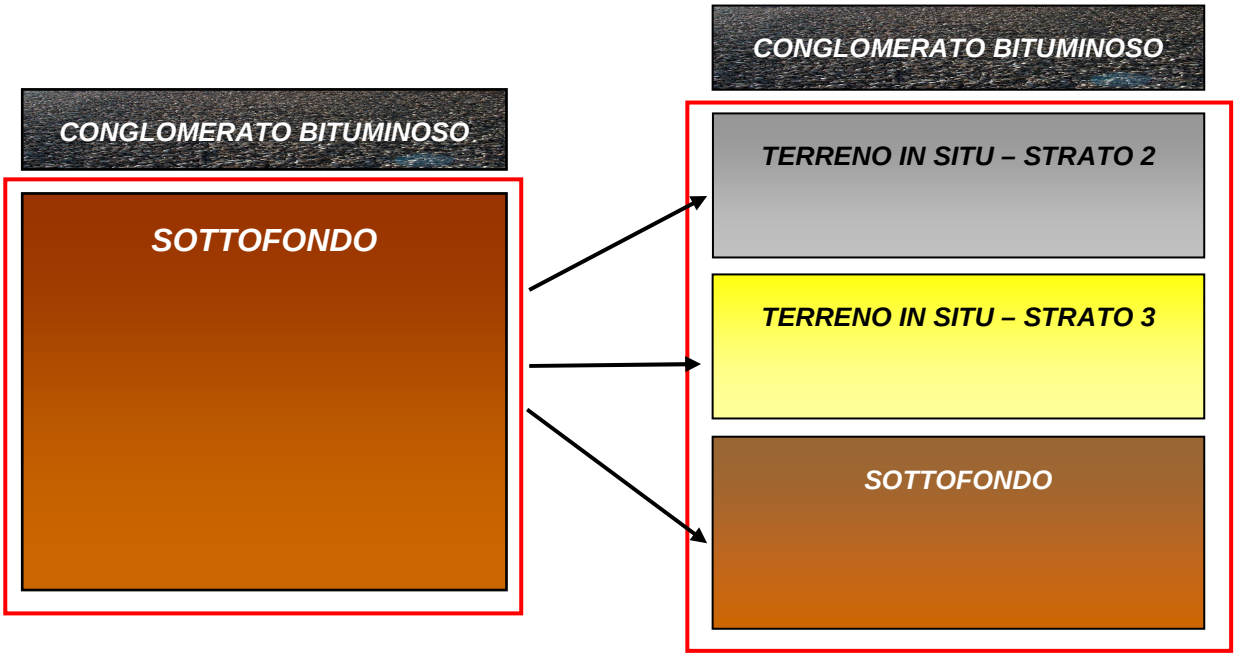

Figura 9: trasformazione della sezione reale nella sezione di calcolo

La combinazione di spessori e moduli per gli strati fittizi è stata ottenuta iterativamente con il criterio del minimo errore percentuale ed è stata validata attraverso una post elaborazione con il software di calcolo BISAR.

Questo artificio ha permesso di ottenere una perfetta sovrapponibilità dei bacini misurati in sito e calcolati con backcalculation.

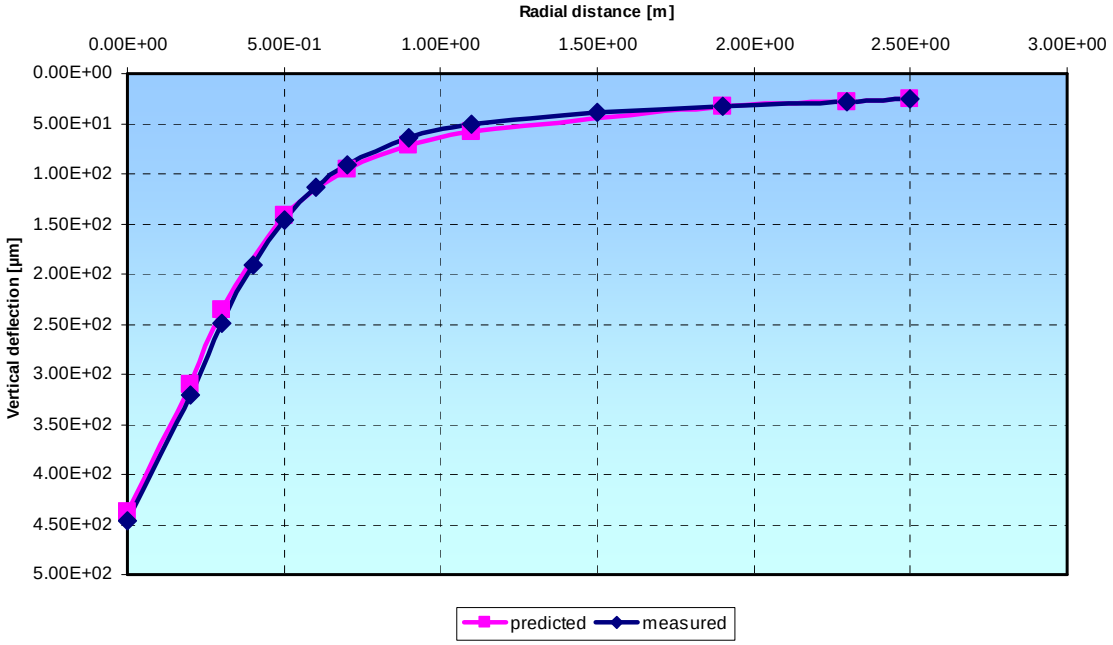

Figura 10: esempio di sovrapposizione dei bacini con post elaborazione

5 RISULTATI

5.1 Moduli elastici equivalenti e spessori

I risultati della backcalculation sono riportati nella seguente tabella.

Sezione	**Posizione di battuta**	**ID carota**	**Strato superficiale conglomerato bituminoso/pavè**		**Terreno in situ – strato 2**		**Terreno in situ – strato 3**		**Sottofondo**
			Modulo [MPa]	Spessore [cm]	Modulo [MPa]	Spessore [cm]	Modulo [MPa]	Spessore [cm]	Modulo [MPa]
2	Via Palladio	2	3252	*10*	-	-	-	-	170
3	Via Palladio	-	2602	*10*	-	-	-	-	150
4	Via Palladio	-	5204	*10*	-	-	-	-	190
7	Via Girolamo	3	5204	*6*	-	-	-	-	270
8	piazza 25 aprile	-	9106	*6*	-	-	-	-	300
9	piazza 25 aprile	4	7805	*14.5*	-	-	-	-	250
10	Via città di Nimes	5	11708	*5*	-	-	-	-	350
11	Via città di Nimes	-	3903	*5*	500	*20*	50	*30*	200
12*	via Giberti	-	6505	*5*	400	*20*	50	*30*	200
13	via Giberti	6	13009	*6*	150	*15*			300
16*	via degli Alpini	-	-	-	-	-	-	-	-
17*	via degli Alpini	-	-	-	-	-	-	-	-
18	via degli Alpini	-	6505	*6*	1700	*20*	20	*30*	200
19	Stradone Scipione Maffei	7	7805	*11*	3300	*10*	65	*30*	250
20	Stradone San Fermo	-	5204	*11*	-	-	-	-	250
21	via San Paolo	-	3903	*11*	600	*5*	250	*20*	150
22	via 20 settembre	8	5204	*10*	2500	*10*	70	*40*	200
23	via 20 settembre	-	3903	*10*	600	*20*	50	*50*	250
24	via 20 settembre	9	5204	*7*	150	*10*	-	-	300

25	via Badile	-	4553	*7*	40	*15*	70	*30*	350
26	viale Spolverini	10	4553	*7*	1500	*15*	50	*40*	280
27B	via Pisano	-	4553	*7*	1500	*17*	50	*30*	450
26B	via Pisano	-	4683	*7*	1400	*17*	50	*30*	370
25B	via Pisano	-	4553	*7*	1500	*14*	60	*35*	350
28	via Zeviani	-	4553	*7*	2000	*17*	50	*30*	420
29	via Corsini	-	4943	*7*	2000	*20*	50	*30*	200
30	via Corsini	11	6505	*14*	2700	*15*	50	*50*	400
31	via Corsini	-	3512	*14*	1500	*10*	50	*50*	400
32	via Cernisone	-	1951	*14*	150	*20*	50	*15*	400
33	via Fedeli	-	3252	*14*	900	*20*	50	*35*	300
34	via Fedeli	12	3512	*6*	1650	*20*	50	*35*	300
35	via Marmolada	-	5854	*6*	200	*10*	-	-	300
36	via Marmolada	13	5854	*8*	250	*30*	70	*50*	200
38	via Dolomiti	14	6505	*8*	150	*30*	120	*30*	250
37	via Dolomiti	-	6505	*8*	2100	*10*	70	*40*	250
39	via del Capitel	-	6765	*8*	2000	*10*	70	*35*	400
40	via Dalla Corte	15	6765	*6.5*	4100	*10*	70	*30*	400
41	via Dalla Corte	-	3512	*6.5*	870	*10*	50	*40*	220
42	via D'Arezzo	16	3643	*13*	1000	*10*	50	*40*	250
43	via D'Arezzo	-	4163	*13*	800	*10*	70	*35*	270
44	via Della casa	-	4553	*13*	600	*10*	70	*40*	300
45	via Carmelitani Scalzi	-	4683	*13*	700	*10*	60	*35*	250
46	Stradone Porta Palio	17	5204	*13*	2000	*5*	70	*30*	200
47*	corso Cavour	-	2992	*13*	650	*20*	900	*30*	400
48*	corso Cavour	-	2732	*13*	700	*20*	1000	*30*	400
49*	via Diaz	-	3382	*13*	1000	*15*	80	*30*	200
50	via 4 Novembre	-	3903	*13*	1600	*10*	60	*30*	160
51	via 4 Novembre	18	3903	*7.5*	1700	*10*	65	*30*	170
52	via 4 Novembre	-	4033	*7.5*	1400	*10*	60	*30*	170
53	via 24 Maggio	-	4553	*7.5*	1100	*10*	50	*30*	150
54	Piazzale Stefani	19	5204	*6.5*	1300	*10*	50	*40*	170

55b	via Mameli	-	4033	*6.5*	850	*10*	70	*30*	260
56	via Mameli	20	4033	*10*	900	*10*	70	*40*	230
57	via Mameli	-	3773	*10*	900	*10*	70	*30*	300
58	via Ca' di Cozzi	-	4683	*10*	700	*10*	70	*40*	300
59	via Ca' di Cozzi	-	4553	*10*	2800	*15*	140	*20*	420
60	viale del Piave	21	4813	*11*	3000	*10*	130	*20*	430
62	viale della Fiera	22	2602	*10.5*	800	*10*	70	*40*	270
63	via Scopoli	-	2992	*10.5*	750	*10*	70	*40*	250
64	viale dell'Agricoltura	23	3903	*9*	810	*10*	70	*40*	230
65	via Scuderlando	24	5074	*12*	1300	*15*	500	*40*	620
66	via Scuderlando		4943	*12*	1200	*18*	450	*40*	600
67	via Fiume	25	3512	*4*	1300	*14*	80	*40*	420
68	via San	26	6505	*10*	1000	*20*	200	*30*	530
72	via Tunisi	27	1041	*7.5*	500	*10*	100	*40*	350
71	via Tunisi	-	1301	*7.5*	400	*10*	100	*40*	320
70	via Comacchio	-	6114	*7.5*	900	*15*	100	*40*	430
69	via Comacchio	28	6505	*9.5*	1000	*12*	100	*40*	450
73	viale del Lavoro	-	6374	*9.5*	1100	*10*	100	*40*	420
74	viale del Lavoro	29	3512	*14.5*	600	*10*	70	*45*	380
75	viale del Lavoro	-	3252	*14.5*	500	*12*	70	*45*	380
76	viale del Lavoro	30	3512	*12*	400	*10*	70	*45*	380
77	viale delle Nazioni	-	3903	*12*	2000	*18*	70	*45*	380
78	viale delle Nazioni	31	4163	*6*	2400	*20*	70	*45*	380
80	strada della genovesa	32	2342	*6*	680	*20*	80	*30*	420

Le sezioni evidenziate con asterisco (*) si riferiscono a tratti stradali con pavè.

Le sezioni di misura n. 1, 5, 6, 14, 15 , 61 e 79 non hanno fornito una elaborazione dei dati accettabile e non sono state riportate in tabella.

Tabella 2: risultati dell'analisi

5.2 Risultati sulle pavimentazioni in pavé – via degli Alpini

Come specificato in precedenza, non è possibile calcolare con precisione i moduli equivalenti del pacchetto stradale pavimentate a lastre di 'pavè'. È stato possibile, tuttavia, interpretare qualitativamente le caratteristiche meccaniche rilevate da misure FWD esclusivamente per via degli Alpini.

Dalle misure effettuate, risulta evidente che la deflessione di picco, misurata al centro della cella di carico, è inferiore rispetto alle deflessioni misurate sul conglomerato bituminoso nelle altre sezioni, variabili da 400 a 900 µm. In corrispondenza del secondo geofono si registra una netta variazione di entità della deflessione. Si ha, nei successivi geofoni, una riduzione graduale delle deflessioni.

In riferimento al grafico del bacino di deflessione riportato in figura seguente, si rileva che le misure fornite dal geofono 3 al 13 mostrano un comportamento uniforme e rigido dell'intera struttura. Le deflessioni più rilevanti, anche se di modesta entità in termini assoluti, si riscontrano dalle letture dei geofoni 1 e 2, rappresentativi dei primi centimetri della pavimentazione, e dunque relative al pavé.

Il bacino di deflessione calcolato, con riferimento alla configurazione standard a due strati con strato superficiale -pavé con spessore pari a 10 cm-, risulta evidentemente non congruente con il bacino misurato.

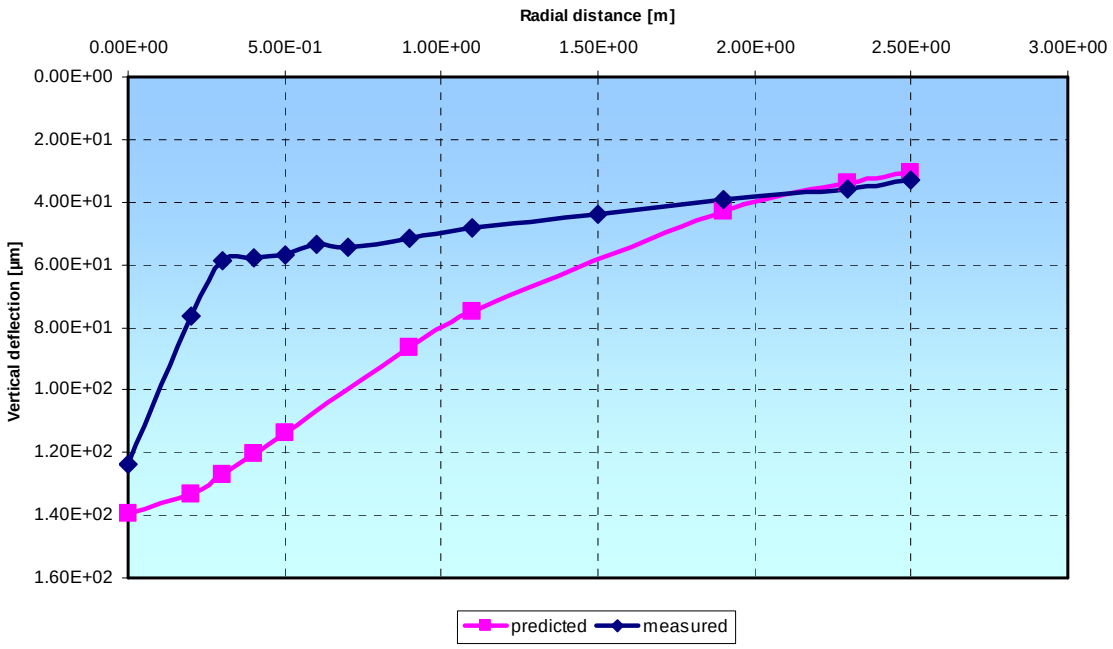

Figura 11: bacini di deflessione misurato e calcolato, via degli Alpini

La backcalculation della sezione in esame non è stata reputata idonea per la non omogeneità del corpo stradale alla sollecitazione. Ad una attenta analisi dei dati provenienti dalle misure degli geofoni più distanti dalla piastra di carico si ritiene, comunque, plausibile ipotizzare uno strato estremamente rigido al di sotto del pavè corrispondente ad una lastra in cls o ad uno strato in misto cementato.

6 CONCLUSIONI

- Complessivamente, sono state eseguite **75 battute** con strumentazione Falling Weight Deflectometer (FWD) e **31 carotaggi**.
- La backcalculation è stata eseguita sulla base della sezione tipo. Nei punti dove il modello a due strati sia risultato insufficiente per riprodurre il bacino di deflessione, sono stati inseriti due strati fittizi È necessario prestare attenzione nel non considerare tali strati come strati materiali, ben delimitati e realmente presenti in opera, piuttosto come strumenti del modello per definire le caratteristiche meccaniche dell'intero pacchetto, così come misurate in situ. Gli strati fittizi forniscono un'indicazione sulla variabilità del terreno presente al di sotto degli strati in conglomerato, altrimenti non apprezzabile uniformando l'intero sottofondo ad un unico ammasso omogeneo.
- I moduli elastici equivalenti calcolati per gli strati in conglomerato bituminoso sono stati normalizzati alla temperatura di riferimento di 20℃.
- Per la natura stessa della campagna di misura, in ambito urbano, molti punti di battuta sono stati effettuati su tratti della pavimentazione parzialmente fessurati. Questo, naturalmente, influisce negativamente sulle caratteristiche meccaniche degli strati in conglomerato bituminoso.
- Nei tratti in cui la pavimentazione è costituita da pavé, le misure effettuate con FWD non hanno fornito risultati accettabili e, la successiva elaborazione, ha suggerito la presenza di uno strato di notevole rigidezza al di sotto dello strato superficiale.

7 ALLEGATI

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 0.0 m

$3
Sequence: No. of drop Fallheight: Time: 7:33

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	315.1	243.2	207	173	144.1	120.1	102.5	76.9	61.4	44.5	33.8	27.2	22.8	802	56.66	11.3	11.6	13.2	29.25
2	314.7	243.1	207.1	173.1	144.2	120.2	102.7	77	61.3	44.4	34	27.3	22.9	802	56.66	11.3	11.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1

Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 0.0 m

$3
Sequence: No. of drop Fallheight: Time: 7:34

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	326.5	252.1	214.5	179.4	149.5	125.1	106.5	80	64	46.3	35.2	28.4	24	826	58.41	11.3	11.5	13.2	28.5
2	325.5	251.6	214.1	179.3	149.4	125	106.7	80.2	64.1	46.3	35.3	28.5	23.5	827	58.49	11.3	11.5	13.2	29.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᴄ Altitude: 0.0 m

$3
Sequence: No. of drop Fallheight: Time: 7:33

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	301.9	233.3	198.5	165.7	138	114.6	97.9	73.1	58.4	42.4	32.2	25.8	21.9	756	53.45	11.3	11.4	13.2	28.5
2	298.6	231.1	196.5	164.1	136.7	113.6	96.8	72.5	57.6	42.1	31.8	25.8	21.6	759	53.62	11.3	11.4	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Codɛ Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offsɛ	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᴄ Altitude: 0.0 m

$3

Sequence: No. of drop Fallheight: Time: 7:31

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	427.8	335.6	285.3	241.3	201.5	169.9	145	109	87.9	64.2	48.8	38.2	33.3	1126	79.59	11.5	11.7	13.2	27.25
2	358.8	280.7	237.9	200.9	167.2	140.4	119.7	89.7	72.2	52.9	40	31.5	27	937	66.22	11.4	11.7	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [25210
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 116.9 m

$3
Sequence: No. of drop Fallheight: Time: 11:10

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	534.5	414.1	340.1	277.2	219.6	177.4	144	92.6	63.1	39.7	28.4	23.4	20.5	853	60.31	13.3	14.3	13.2	29
2	526.9	407	336.8	275.1	218.5	176.9	143.6	92.9	63.7	40.5	29.1	24	21	857	60.6	13.3	14.2	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 0.0 m

$3
Sequence: No. of drop Fallheight: Time: 7:34

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	340.7	263.2	224.1	187.9	156.4	131.7	112	84.1	67.5	49	37.4	29.7	25	868	61.34	11.3	11.5	13.2	28.5
2	336.7	260.4	221.8	185.8	154.8	130.2	110.8	83	66.6	48.4	36.8	29.3	25	859	60.7	11.3	11.5	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [0
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 64.3 m

$3
Sequence: No. of drop Fallheight: Time: 7:42

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	673.3	479	374.5	289.7	223.8	188.5	160.1	116.5	84.7	46.5	29.1	22.2	19.3	840	59.39	11.4	11.6	13.2	28.75
2	677.7	486.6	383.4	298.1	231.6	195.4	166.1	121.4	87.8	48.3	30.4	23.3	19.6	865	61.15	11.4	11.6	13.2	29.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [170

Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 86.9 m

$3
Sequence: No. of drop Fallheight: Time: 7:51

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	712.3	523.4	411.9	307.4	232.5	185.4	149.6	108.2	80.7	45.7	30.1	21.9	19.9	854	60.36	11.3	12.2	13.2	29.25
2	695.6	514.4	406.9	304.8	231.2	184.5	149.1	108	81	45.9	30	22.3	19.6	849	59.99	11.3	12.2	13.2	29

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [350
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 62.9 m

$3
Sequence: No. of drop Fallheight: Time: 7:53

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	766.5	609.3	497.1	374.9	271.5	204.6	158.5	115.8	92	67.1	50.9	41.4	37	872	61.61	11.5	12.4	13.2	28.75
2	739.5	588.1	480.8	363.6	263.1	198.1	154	112.3	89.3	65.1	49.2	40.1	35.9	846	59.8	11.5	12.3	13.2	29.25

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [778
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 68.7 m

$3
Sequence: No. of drop Fallheight: Time: 7:57

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	556	411	335.7	270.8	217.5	175	144.1	98	70.9	42.8	29.9	23.6	19.5	841	59.48	11.7	13	13.2	28.75
2	548.1	408.1	334.2	270.7	217.9	175.8	145.3	99.1	71.9	43.4	30.5	24	19.4	845	59.73	11.7	12.8	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....

Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [994
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 68.5 m

$3
Sequence: No. of drop Fallheight: Time: 8:05

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	594.8	469.7	382.7	299.9	224.3	163.7	134	86.7	60.6	37.5	25.7	22.4	20.9	859	60.74	11.2	12.2	13.2	29.25
2	584.4	463.9	380.3	299.3	224.9	164.8	134.8	87.2	61.7	37.8	26.2	22.8	21.3	863	60.98	11.2	12.2	13.2	29

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 1253
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 67.7 m

$3
Sequence: No. of drop Fallheight: Time: 8:08

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	497.6	368.8	287.2	220.7	170	133.1	107.9	74.5	53.4	29.1	19.5	16.2	13.6	861	60.88	11.5	12.5	13.2	28
2	479.8	357.1	278.8	214.4	165.2	129.3	104.7	72.3	52.1	28.4	18.6	15.8	13.2	842	59.5	11.5	12.4	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 1375
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 53.5 m

$3
Sequence: No. of drop Fallheight: Time: 8:10

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	308.6	257	224.8	195.8	167.6	142	121	85.9	62.1	34.5	22	17.2	13.5	867	61.3	11.6	12.5	13.2	28.5
2	297.7	248.2	217.1	189.1	162	137.4	117.2	83.5	60.4	33.2	20.8	16.5	13	848	59.91	11.6	12.5	13.2	29

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [I 1645
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4! Altitude: 66.0 m

$3
Sequence: No. of drop Fallheight: Time: 8:19

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	440.3	270.6	197	151.6	124.2	105.5	93.1	71.2	56.1	33.7	17	8.7	4.8	833	58.85	11.6	12.9	13.2	27.5
2	440.8	272.5	199.3	153.7	126.2	107.7	95.2	73.4	57.6	34.8	17.4	8.7	4.9	859	60.7	11.6	12.8	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [1755
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 104.4 m

$3
Sequence: No. of drop Fallheight: Time: 8:23

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	827.9	626.5	506.3	390.5	295.7	222.8	170.6	100.8	65.7	42.2	33.3	27.9	26	835	59.05	11.8	13.1	13.2	28.75
2	805.9	612.8	497.1	385.2	292.9	221.7	170.2	101.7	66.3	42.8	33.2	27.9	25.7	838	59.26	11.8	13	13.2	29

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108

Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [I 1861

Lane..... 1

Pavement description...

Remarks.....

Position of Longitude: Latitude: 4ᵹ Altitude: 108.3 m

$3

Sequence: No. of drop Fallheight: Time: 8:25

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	704.1	437.4	374.8	289.7	241.4	261.7	164.4	113.8	82.6	307.9	38.2	25.4	21.8	866	61.22	11.7	13	13.2	28.5
2	689.6	428.9	362.4	282.1	234.8	250.7	159.8	110.7	80.2	300.9	37.2	24.9	21.3	848	59.91	11.7	12.9	13.2	29

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$1

Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD

Client Code Verona

Road numb 1

Name of Client:.....

Districtnum 1

Road reference:.....

Start reference:.....

Date [dd/m ########

FWD Numb 306-1108

Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 1945
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 88.6 m

$3
Sequence: No. of drop Fallheight: Time: 8:27

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	598.6	408.6	283.7	190	139	102.2	82.5	57.9	44.4	32	21.9	18.8	15.7	869	61.4	11.9	13.6	13.2	28.75
2	579.1	398.5	277.5	186.4	136.8	100.9	81.4	56.9	44	31.6	21.9	18.3	15	854	60.38	11.9	13.5	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 2759
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 66.5 m

$3
Sequence: No. of drop Fallheight: Time: 8:41

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	122.8	76.9	58.6	57.4	56.7	52.9	54	51.5	48.2	43.7	39.4	35.8	32.6	841	59.42	12.1	14.7	13.2	28.25

2	123.8	76.3	58.9	57.7	56.8	53.6	54.3	51.7	48.2	43.9	39.3	36	32.8	839	59.32	12.1	14.4	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [2851
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 63.8 m

$3
Sequence: No. of drop Fallheight: Time: 8:43

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	231.7	84.7	100	106.5	105	100.2	97	86.6	77.2	59.3	44.4	34.4	28.2	848	59.91	11.8	13.9	13.2	28.75
2	230.4	86.1	99.4	105.5	103.7	98.8	95.4	85.5	76.3	58.5	43.9	33.7	27.5	836	59.09	11.8	13.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1

Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [2927
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 62.0 m

$3
Sequence: No. of drop Fallheight: Time: 8:44

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	586.9	512.1	461.3	406.4	353.4	302.6	259	183.5	130	70.4	46.4	37	32.9	830	58.68	12	13.5	13.2	28.25
2	589.4	514	462.9	408.1	355.3	304.3	260.9	185.2	131.8	71.5	47.3	37.4	33.2	841	59.48	12	13.4	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road numb 1
Name of Client:.....
Districtnum 1
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 3437
Lane..... 1
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 62.1 m

$3
Sequence: No. of drop Fallheight: Time: 8:49

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	368	318.9	283.1	246.4	209.6	177.3	150	105.3	74.9	44.3	31.9	26.3	22.7	837	59.16	12	13.4	13.2	28
2	367.3	318.2	282.5	245.9	209.5	177.1	150	105.4	75.2	44.5	31.8	26	22.6	840	59.41	12	13.2	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 3566
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 65.1 m

$3
Sequence: No. of drop Fallheight: Time: 8:56

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	449.8	322.7	250.3	190.2	145.7	112.8	90.4	63.4	49.5	38.8	32.3	28	24.7	850	60.09	11.9	13.1	13.2	28.25
2	446.2	320.8	249.6	190.4	146.2	113.5	91.1	64	50.2	39.1	32.4	28.1	24.7	858	60.64	11.9	13	13.2	28

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [4026
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 62.3 m

$3
Sequence: No. of drop Fallheight: Time: 8:59

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	556.3	405.7	355.1	307.7	260.7	223.1	192.2	142	105.6	64.3	42.1	32.3	28.1	830	58.68	12.1	13.5	13.2	28.25
2	545.4	399.3	350.1	303.6	257.5	220.3	190	140.4	104.5	63.4	41.5	31.8	27.9	827	58.48	12.1	13.3	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [4191
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 66.5 m

$3
Sequence: No. of drop Fallheight: Time: 9:01

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	428.8	363.7	322.5	282.8	243.6	209.8	181.7	131.4	96	55.7	35.3	27.6	24.1	819	57.87	12.3	13.7	13.2	28.25
2	423	358.6	318.3	279.6	241.1	207.9	180.3	130.7	95.8	55.9	35.5	27.7	23.9	825	58.31	12.3	13.5	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########

FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 4487
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 64.5 m

$3
Sequence: No. of drop Fallheight: Time: 9:10

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	629.1	522.4	452.5	383.3	320.6	265.3	220.7	149.7	100.9	45.3	28.6	24.3	20.6	841	59.41	12.3	13.8	13.2	27.75
2	607.7	505	437.9	370.8	310.6	257.4	214.1	145.4	98.2	44.4	27.8	24	20.1	827	58.47	12.3	13.6	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 4947
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵡ Altitude: 66.9 m

$3
Sequence: No. of drop Fallheight: Time: 9:12

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	487.3	361.1	272.4	200.3	146.5	107.8	81.7	51.9	36.6	25	18.9	16.3	13.9	836	59.09	12.3	13.8	13.2	28.25
2	478.6	354.9	268.5	198	145.2	106.5	80.8	51.5	36.4	24.7	18.6	15.8	13.5	833	58.87	12.3	13.5	13.2	28

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 5485
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵡ Altitude: 81.6 m

$3
Sequence: No. of drop Fallheight: Time: 9:22

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time

1	1032.8	699.7	514.1	371.4	262.6	189.7	140.3	83.9	57.5	41.4	32.3	24.8	21.1	850	60.06	12.3	13.6	13.2	29
2	1004.6	687.3	508	368.9	261.8	189.3	140.9	84.3	58.2	41.4	32.5	24.8	20.6	851	60.17	12.4	13.4	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [5813
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 72.4 m

$3
Sequence: No. of drop Fallheight: Time: 9:24

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	526	437	375.8	312.9	256	206.6	166.6	106.9	71.3	40	27.3	20.7	16.4	835	59	12.3	13.4	13.2	28
2	525.4	435.7	374.7	312	255.2	205.9	166	106.9	71.3	40.3	27.7	20.9	16.6	842	59.51	12.2	13.2	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona

Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [6259
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 77.1 m

$3
Sequence: No. of drop Fallheight: Time: 9:31

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	452.2	355.4	296.5	240.6	190.6	149	117.4	71.4	43.3	20.1	12.8	11.6	10.2	848	59.97	12.5	13.5	13.2	28.25
2	441.1	347	289.7	235.6	186.9	146.3	115.3	70.2	42.7	19.9	12.7	11.3	9.6	837	59.15	12.5	13.4	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10

Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 6682
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 79.2 m

$3
Sequence: No. of drop Fallheight: Time: 9:33

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	607.9	427.3	326.3	238.8	171.1	121.9	87.3	48.9	33.1	25.7	19.6	17.2	14.8	837	59.17	12.6	13.9	13.2	28.5
2	595.8	420.7	322.2	236.7	170.3	121.7	87.4	49.4	33.6	25.7	19.6	17.1	14.5	837	59.13	12.6	13.8	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 6876
Lane..... R
Pavement description...
Remarks.....

Position of Longitude: Latitude: 4ᵉ Altitude: 65.1 m

$3
Sequence: No. of drop Fallheight: Time: 9:34

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	870.4	669.3	553.6	447.7	357.3	286	230	155	113.9	77.1	57.4	45.4	38.3	839	59.28	12.6	13.7	13.2	28.5
2	851	657.2	544.9	441.3	352.5	282.2	227.4	153.3	113.1	76.4	57.1	45.1	37.9	831	58.75	12.7	13.6	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [7949
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 86.4 m

$3
Sequence: No. of drop Fallheight: Time: 9:37

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	393.1	312.7	264.9	221.8	181.9	148	121.7	81.9	58.1	34.7	24	19.3	15.7	840	59.4	12.8	14.9	13.2	28.5
2	397.8	316.2	268.2	224.7	184.5	150.3	123.7	83.5	59.3	35.7	24.6	19.7	16.1	855	60.44	12.8	14.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [8349
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 88.2 m

$3
Sequence: No. of drop Fallheight: Time: 9:40

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	418.1	350.5	312.1	276.3	241.2	210.6	184.5	139.4	106.5	66.3	46.9	38.1	33.5	847	59.87	12.7	14.4	13.2	28.5
2	416.2	349.1	311	275.3	240.8	210.4	184.3	139.3	106.5	66.4	46.9	38.3	33.5	840	59.36	12.7	14.2	13.2	28

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....

Date [dd/m ########
FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 8535
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵹ Altitude: 86.4 m

$3
Sequence: No. of drop Fallheight: Time: 9:42

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	307.6	274.7	255.5	237.1	216.5	192.5	166.3	117.6	85.1	45	24.8	18.6	15	847	59.9	12.6	14.1	13.2	27.75
2	296.4	264.6	246.2	228.3	208.5	185.3	160	113.2	82.1	43.5	24.2	18.1	14.9	824	58.22	12.6	13.9	13.2	28

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 8745
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 81.9 m

$3
Sequence: No. of drop Fallheight: Time: 9:49

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	485.4	386.1	329.3	277.4	229.7	188.2	154	98.6	65	38	26	20.5	17	850	60.09	12.6	14.1	13.2	28
2	480.5	383.1	327.2	276.1	229.1	188.2	154.1	99.1	65.3	38.1	25.9	20.5	16.8	850	60.09	12.6	14	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 9025
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 79.3 m

$3
Sequence: No. of drop Fallheight: Time: 9:51

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	655.3	449	327.4	230.6	164.6	116.7	82.9	44.6	25.5	16.4	14.9	13.2	10.5	863	61.01	12.6	13.9	13.2	28.75
2	642.7	442.3	323.3	228.3	163.4	116	82.5	44.6	26.3	17	15	13.4	10.7	873	61.73	12.6	13.8	13.2	29.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [9483
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 67.6 m

$3
Sequence: No. of drop Fallheight: Time: 9:53

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	406.4	342.2	297.7	255	213.7	178.2	149.5	103.6	75.5	44.4	31.5	26.6	23.9	851	60.16	12.6	14.2	13.2	28.25
2	393.5	331.8	288.6	247.1	207	172.3	144.2	100.1	73	43.2	30.4	25.8	22.9	828	58.55	12.6	14.1	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD

Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [9987
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 63.9 m

$3
Sequence: No. of drop Fallheight: Time: 9:55

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	445.2	359.7	310.6	264.7	220.4	182.2	149.2	96.1	62.6	32.3	22.5	20.6	18.7	827	58.47	12.8	14.6	13.2	28.25
2	451.2	364.8	315.4	268.8	224.4	185.8	152.4	98.5	64.7	33.7	23.4	21.2	19.2	849	60.03	12.8	14.4	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250

Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 10290

Lane..... R

Pavement description...

Remarks.....

Position of Longitude: Latitude: 4ᵉ Altitude: 66.9 m

$3

Sequence: No. of drop Fallheight: Time: 9:58

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	607.2	484.2	397.7	309.4	232.9	175	131.6	76	48.8	31.2	23.4	20.2	17.7	861	60.83	12.6	14	13.2	28.75
2	598.8	477.5	392.5	306	230.8	173.7	130.9	76	48.9	31.5	23.5	20.2	17.6	855	60.44	12.6	13.9	13.2	29.25

(c) ROAD SYSTEM 2010, Metric

$1

Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD

Client Code Verona

Road number:.....

Name of Client:.....

Districtnumber:.....

Road reference:.....

Start reference:.....

Date [dd/m ########

FWD Numb 306-1108

Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 10464

Lane..... R

Pavement description...

Remarks.....
Position of Longitude: Latitude: 4ᵹ Altitude: 67.2 m

$3
Sequence: No. of drop Fallheight: Time: 10:00

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	680	521.5	423.5	340.6	270.2	216.3	176.2	119.9	85.8	52.2	38.5	32.9	27.9	825	58.31	12.5	13.6	13.2	29
2	706.7	544.7	444.3	358.1	284.9	228.6	186.1	126.9	90.5	54.8	40.6	34.4	28.6	863	61.01	12.5	13.6	13.2	29.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [13529
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵹ Altitude: 57.7 m

$3
Sequence: No. of drop Fallheight: Time: 10:12

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	694.7	495.6	382.4	281.7	203.1	146.1	105.8	60.1	44.5	39.6	30.4	24.6	22.1	869	61.43	12.9	13.9	13.2	29
2	679.6	485.9	376.2	278.7	202.2	146.5	106.8	61.5	45.1	39.8	31.2	25.5	22.5	872	61.64	12.8	13.8	13.2	29

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [13810
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 68.7 m

$3
Sequence: No. of drop Fallheight: Time: 10:18

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	504.2	403.2	345.5	291.5	242.2	199.3	164	111.7	80.3	51.7	38.9	30.7	27	848	59.91	12.6	13.5	13.2	28.25
2	498.1	397.7	340.9	287.6	238.9	196.9	161.9	110.3	79.1	51.1	38.5	30.3	26.4	841	59.45	12.6	13.4	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....

Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [I 17358
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 45 Altitude: 58.1 m

$3
Sequence: No. of drop Fallheight: Time: 10:29

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	291.8	255.5	229.8	203.4	176.4	151.1	131.3	96.5	70.9	39.9	25.9	20.1	17	850	60.12	12.7	14.4	13.2	28.25
2	287.8	251.4	226.4	200.4	173.9	149.2	129.4	95.3	70.2	39.4	25.7	20.1	16.6	840	59.37	12.7	14.3	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 17736
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٽ Altitude: 72.2 m

$3
Sequence: No. of drop Fallheight: Time: 10:31

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	370.9	288.9	236.3	190.5	149.8	118.4	95.5	63.8	46	29.7	21.2	17.7	14.6	836	59.08	12.9	14.7	13.2	28.5
2	371.6	290	238.3	192.7	152.2	121	97.6	65.4	47.1	30.5	21.7	18.2	15	857	60.58	12.8	14.6	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 18068
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٽ Altitude: 75.2 m

$3
Sequence: No. of drop Fallheight: Time: 10:37

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	388.6	306.3	258.1	215.7	176.3	144.5	120	82.6	58.9	36.8	27.3	24.4	20.1	866	61.19	12.9	14.3	13.2	28.5
2	376.6	296.9	250.5	209.4	171.5	140.8	116.6	80.5	57.1	36	26.4	23.9	19.8	848	59.93	12.9	14.1	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [18312
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 81.9 m

$3
Sequence: No. of drop Fallheight: Time: 10:39

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	554	440.9	380.8	320.9	266.5	218.4	179.6	122.2	86.7	54.3	39.1	30.4	25.8	830	58.67	12.9	14.2	13.2	28.75
2	555.5	442.3	382.5	323	268.8	220.9	182.3	124.6	89.1	56.2	40.6	31.2	26.3	840	59.4	12.9	14	13.2	28.25

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$1

Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [I 18752
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4! Altitude: 78.4 m

$3
Sequence: No. of drop Fallheight: Time: 10:45

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	337.4	277.7	238.5	201.6	169.2	142.5	119.9	85	59.5	31.9	20.5	18.4	16.7	861	60.85	13	14.7	13.2	28.75
2	330.8	271.8	233.8	197.4	165.8	139.9	117.7	83.5	58.6	31.7	20.3	18.2	16.1	849	60	13	14.5	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)

Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [25210
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 107.1 m

$3
Sequence: No. of drop Fallheight: Time: 11:11

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	523.8	403.4	335.5	274.1	217.7	175.9	143	92.1	63.2	40.2	29	23.7	20.1	852	60.2	13.4	14.2	13.2	28.5
2	518.1	400	332.9	272.2	216.4	175.1	142.2	91.9	63	39.9	28.8	23.5	20.2	843	59.62	13.4	14.1	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [25447
Lane..... R

Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵒ Altitude: 89.9 m

$3
Sequence: No. of drop Fallheight: Time: 11:13

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	562.4	450.8	348.5	286.8	238.7	197.4	164.4	114.5	82.6	53.7	41.2	32.5	27.9	849	60.04	13.5	14.7	13.2	28.75
2	549.8	440.4	341.5	281.7	234.7	194.4	162.1	113.2	81.9	52.9	40.7	32.2	27.8	833	58.88	13.5	14.6	13.2	28

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [25598
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵒ Altitude: 89.9 m

$3
Sequence: No. of drop Fallheight: Time: 11:14

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	497.5	406.1	343.6	289.2	241.3	203.4	173.7	129.1	98	66.4	47.8	37.1	32.7	840	59.41	13.5	14.5	13.2	28.5
2	488.8	401	339.9	286.2	238.6	201.1	172	128	97.6	66.4	47.8	36.8	31.6	838	59.22	13.5	14.3	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [26076
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 76.1 m

$3
Sequence: No. of drop Fallheight: Time: 11:21

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	242	142.2	98.2	71.7	60.5	55.8	53.8	46.9	39.9	30.2	23.2	19	15.8	838	59.21	13.4	15.3	13.2	28.5
2	241.2	141.5	97.4	71.1	60.1	55.5	53.3	46.2	39.7	29.9	23.1	18.5	15.6	837	59.15	13.4	15.1	13.2	28.75

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....

Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [26305
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 85.8 m

$3
Sequence: No. of drop Fallheight: Time: 11:23

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	217.9	130.2	77.3	63.7	61.4	60.9	58.6	50.1	39.9	28	19.8	15.2	12.4	831	58.73	13.5	15.5	13.2	28.5
2	219.3	130	77.5	64.1	62.3	61.1	58.8	50.2	40.3	28.1	20.4	15.6	12.8	831	58.72	13.5	15.3	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 26422
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 60.7 m

$3
Sequence: No. of drop Fallheight: Time: 11:25

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	80.2	61.6	49	47.1	42.2	37.3	33.9	25	16.2	11.5	6.6	4.8	3.2	818	57.82	13.6	14.1	13.2	29
2	81.5	63.7	51	49	43.9	38.8	35.5	26.1	17.3	11.6	6.9	4.9	3.1	848	59.96	13.6	14	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 26422
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 78.3 m

$3

Sequence: No. of drop Fallheight: Time: 11:24

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	76.7	63.1	49.5	46.4	42.5	37.5	34.8	25.6	17.1	11.6	7.2	5.5	4.3	828	58.5	13.5	14.5	13.2	28.5
2	74.7	61.8	49.3	46.3	42.2	37.4	34.6	25.2	16.9	11.4	7.2	5.5	4	826	58.35	13.5	14.2	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [26733
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 66.8 m

$3
Sequence: No. of drop Fallheight: Time: 11:35

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	472.9	397.9	347.4	296.7	252.2	215.7	185.6	139	108.7	75.2	57	45.9	41.1	831	58.74	13.1	14.3	13.2	28.25
2	463	391.4	342.8	293.3	250	214	184.1	137.9	107.9	74.7	56.6	45.1	40.8	826	58.36	13.1	14.2	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [I 26928
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 45 Altitude: 148.5 m

$3
Sequence: No. of drop Fallheight: Time: 11:36

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	630.4	506.1	425.7	349.1	283.9	230	189.4	135.4	103.2	71	52.3	41.6	35.9	824	58.28	13.2	14.2	13.2	28.75
2	634.3	512.3	432.9	356.2	289.9	235.2	193.4	137.6	105.3	72.2	52.9	42.6	37.6	845	59.73	13.2	14.1	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 27110
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 102.9 m

$3
Sequence: No. of drop Fallheight: Time: 11:42

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	644.1	541.4	470.5	399.4	336.5	283.7	239	171.4	126	77.6	53.8	41.9	36.8	819	57.88	13.2	14.2	13.2	28.25
2	639.6	538.5	469	398.7	336.4	283.9	239.5	171.9	126.7	78	54.5	41.8	36.9	823	58.2	13.2	14.1	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 27485

Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 90.8 m

$3
Sequence: No. of drop Fallheight: Time: 11:44

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	442.5	381.3	342	303	264.6	229.7	199.2	147.4	109	65.8	46.5	37.3	32.9	830	58.7	13.2	14.2	13.2	28.25
2	442.5	381.3	342.2	303.3	265.2	230.5	200	148.1	109.6	66.1	46.5	37.3	33.2	834	58.95	13.2	14.1	13.2	28

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 27816
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 91.3 m

$3
Sequence: No. of drop Fallheight: Time: 11:46

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	803.5	659.4	557.5	458.6	369.8	292.2	229.6	147.3	110.2	87.9	64.1	46.2	39.7	823	58.19	13.3	14.9	13.2	29
2	805.1	663.7	564.9	466.6	378	299.2	235.5	151.3	113.3	90.1	65.6	47.4	41	837	59.15	13.3	14.7	13.2	29

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [28246
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 45 Altitude: 76.6 m

$3
Sequence: No. of drop Fallheight: Time: 11:52

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	266.3	190.8	148	115.8	89.6	71.8	61	46.2	38.1	27.7	19.6	15.7	13.1	842	59.51	13.2	14.8	13.2	28.25
2	261.7	188.4	146.6	115	89.1	71.4	60.6	46.7	38	27.5	19.8	15.6	13.2	835	59.01	13.2	14.7	13.2	28

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....

Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [28291
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 70.0 m

$3
Sequence: No. of drop Fallheight: Time: 11:53

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	493.8	372	306.1	246.4	197.2	159.9	132.6	95.4	70.4	42.7	29	23.4	20.4	829	58.58	13.3	14.5	13.2	28
2	493.5	373.5	308.1	248.4	199.1	161.5	133.8	96.3	71.2	43.1	29.4	23.4	20.3	835	59.02	13.3	14.4	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 28540
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 83.1 m

$3
Sequence: No. of drop Fallheight: Time: 11:54

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	645.8	486.4	406.2	328.7	260.6	209.5	167.3	107.8	72.5	45.7	32.1	26.8	23.1	865	61.16	13.4	14.7	13.2	28.75
2	631.3	477	398.2	322.7	256	205.9	164.6	106.2	71.5	45.4	31.5	26.4	23	847	59.89	13.4	14.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 28794
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 83.5 m

$3
Sequence: No. of drop Fallheight: Time: 11:58

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	473.2	376.3	311.1	254.1	202.8	162.6	131.9	87.1	60.9	35.5	24.4	19	15.9	828	58.54	13.7	14.7	13.2	28.25
2	475.8	378.8	313.9	256.9	205.6	164.9	133.9	88.9	61.9	36.1	24.9	19.4	16	843	59.58	13.7	14.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [29367
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 74.8 m

$3
Sequence: No. of drop Fallheight: Time: 12:01

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	488.5	378.6	305.8	232	159.1	105	70.5	44.6	38.4	42.6	29.8	24.9	21.2	837	59.2	13.7	14.5	13.2	28.5
2	488	378.5	306.2	232.8	159.9	105.8	71.2	45.2	39.1	43.2	30.2	25	21.5	846	59.82	13.7	14.4	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [29367
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 71.9 m

$3
Sequence: No. of drop Fallheight: Time: 12:00

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	516.4	395.3	316.2	238.6	159.1	106.2	71.3	44.6	39	44.2	30.6	25.2	22.1	858	60.62	13.6	15.1	13.2	28
2	507.8	390.4	313.2	237.2	158.8	106.5	71.9	45.2	39.1	44.3	30.6	25.2	22	860	60.8	13.6	14.9	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108

Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 29643
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵹ Altitude: 76.4 m

$3
Sequence: No. of drop Fallheight: Time: 12:03

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	317.9	209.5	158.4	121.5	95.1	79.7	72.1	66.6	65.6	68.5	64.8	58.8	53.9	840	59.38	13.6	14.9	13.2	28
2	305.9	201.2	152.2	116.7	91.7	77	69.8	64.5	63.5	66.3	62.9	57.1	51.9	828	58.5	13.5	14.7	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 35981
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 62.6 m

$3
Sequence: No. of drop Fallheight: Time: 12:27

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	277.9	208.9	171	139.6	111.6	91.3	77.2	55.8	41	26.2	18.2	14.2	11.7	851	60.13	13.4	14.4	13.2	28.5
2	270.9	204.5	168.1	137.6	110	90.3	76	54.9	40.3	25.9	17.8	13.9	11.1	835	59	13.4	14.3	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 36775
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 78.8 m

$3
Sequence: No. of drop Fallheight: Time: 12:34

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	647.2	484.2	394.7	320.3	257.1	207	168	111.7	78.4	46.5	33.4	26.3	23.3	849	59.99	13.1	14.1	13.2	28.5

2	645.7	484.2	395.5	321.3	258.3	208.1	168.9	112.2	78.8	46.3	32.5	25.8	22.9	852	60.22	13.1	14	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [37106
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 70.9 m

$3
Sequence: No. of drop Fallheight: Time: 12:38

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	594	414	320.9	242.3	177.1	131	112.4	93	79.4	54.4	38.4	30	24.9	851	60.18	13.3	14.7	13.2	28.75
2	584.6	407.6	316.5	239.6	175.6	129.8	111.6	92.5	79.1	54	38	29.7	25	843	59.6	13.3	14.5	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\lnoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....

Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [37433
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 62.4 m

$3
Sequence: No. of drop Fallheight: Time: 12:42

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	679	518	418.2	326.6	256.1	208	169.3	113.8	79.6	52.5	39.8	33.2	28.5	843	59.56	13.2	15.1	13.2	29
2	678.7	519.5	421	329.7	259.7	211.1	172.1	116.4	82.1	53.5	39.5	31.6	28	855	60.46	13.2	14.9	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 37714
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 69.6 m

$3
Sequence: No. of drop Fallheight: Time: 12:46

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	184.7	133.9	105.6	82.2	63.4	50.5	42.4	31.6	23.3	18.2	13.6	11.5	8.6	837	59.15	13.4	14.6	13.2	28.25
2	183.6	133.2	105	82	63.3	50.3	42.4	31.4	23.6	18	13.4	11.4	9.2	843	59.58	13.4	14.4	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 37927
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 78.2 m

$3
Sequence: No. of drop Fallheight: Time: 12:51

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	763.6	526	403.8	303.4	222.9	165.6	125.3	76.3	49.7	30	21.9	18.4	16.2	853	60.31	13.3	14.5	13.2	29
2	755.1	523.4	403.3	303.6	223.5	165.9	125.9	77.1	51	30.7	22.3	18.8	16.4	862	60.93	13.3	14.3	13.2	29

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [38072
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 74.8 m

$3
Sequence: No. of drop Fallheight: Time: 12:52

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	593.9	449.1	347.3	262.9	194	144.4	108.4	66.2	44.9	30.4	22.6	17.8	15.4	854	60.4	13.4	14.7	13.2	29
2	589.2	447.4	346.5	262.4	193.2	143.5	107.7	66.9	45.1	30.4	22.3	18	15.3	860	60.82	13.4	14.5	13.2	29.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [38344
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 78.1 m

$3
Sequence: No. of drop Fallheight: Time: 12:58

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	252.2	184.7	148.1	118	93	73.9	60.8	41.6	29.4	19	14.8	12.9	10.9	824	58.26	13.2	14.4	13.2	28
2	249.5	183.6	147.7	117.6	93.2	74.1	61.1	41.8	29.4	19	14.4	12.7	11.1	835	59.03	13.2	14.3	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########

FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 39177
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 62.5 m

$3
Sequence: No. of drop Fallheight: Time: 13:08

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	437.6	347.8	291.8	242	197.9	161.6	130.8	86.5	60.5	37.7	28.8	24.1	20.9	853	60.31	13.6	15	13.2	28
2	425.2	338.9	284.5	236.2	193.4	157.8	127.7	84.5	58.7	36.9	27.4	23.2	19.9	838	59.25	13.6	14.8	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 39247
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵡ Altitude: 68.3 m

$3
Sequence: No. of drop Fallheight: Time: 13:12

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	491.9	390.7	327.2	267.6	214.6	171.2	137.5	88.5	59.5	34.5	24	19.9	17.5	849	60.03	13.6	15.4	13.2	28.25
2	483.2	384.5	322.7	264.2	212	169.4	136.1	87.8	58.9	34.4	23.9	19.9	17	842	59.51	13.6	15.2	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 39508
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵡ Altitude: 63.0 m

$3
Sequence: No. of drop Fallheight: Time: 13:14

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time

1	596.8	464.7	379.1	300.4	227.9	191.4	162	118	88.6	57.5	40.8	32.8	28.7	849	60.02	13.5	14.1	13.2	29.5
2	587	458.7	375	297.7	226.1	189.9	160.9	117.4	88.2	57.6	40.7	32.6	29.1	846	59.79	13.5	13.8	13.2	29.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [39748
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 61.6 m

$3
Sequence: No. of drop Fallheight: Time: 13:17

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	696.5	489.7	394.2	310.5	242.2	192.4	151.9	103.7	75	48.5	34.8	28.3	25.1	856	60.48	13.6	13.9	13.2	29
2	679.7	478.9	386.2	304.6	238.1	189	149.4	102.3	73.9	47.9	34.2	27.8	24.5	845	59.71	13.6	13.9	13.2	29

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona

Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [39963
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 56.2 m

$3
Sequence: No. of drop Fallheight: Time: 13:19

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	544.2	443.8	388	330.1	275.4	228.2	187.6	122.7	77.5	25.9	11.1	12.1	11.4	818	57.81	13.5	14.4	13.2	28.5
2	538.5	439.6	384.8	327.7	274	227.6	187.4	123.2	78.1	26.6	11.3	12.3	12.2	827	58.45	13.5	14.3	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10

Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 40970
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵋ Altitude: 55.4 m

$3
Sequence: No. of drop Fallheight: Time: 13:34

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	858.6	622.4	463.8	332.2	235.4	163.7	119.5	76.9	54.2	35.8	26.7	22.3	18.4	859	60.69	13.5	14.4	13.2	28.75
2	840.3	611.8	455	328.6	233.3	162.1	118.5	76.6	54.3	35.7	26.8	22.3	18.2	855	60.41	13.5	14.3	13.2	29.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 41156
Lane..... R
Pavement description...
Remarks.....

Position of Longitude: Latitude: 4ᵉ Altitude: 57.8 m

$3
Sequence: No. of drop Fallheight: Time: 13:38

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	573.6	430.3	347.7	273	210.5	161.2	125.4	75.3	48	29.5	22.1	18.1	14.8	855	60.42	13.4	14.2	13.2	28.5
2	560.2	422.8	342.4	269.4	208.2	159.4	124.2	74.8	47.8	29.7	22.1	17.8	14.9	849	60.05	13.4	14.1	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [41415
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 55.9 m

$3
Sequence: No. of drop Fallheight: Time: 13:45

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	332.1	250.3	209.2	173.8	143.1	118.4	98.2	68.2	48.3	29.9	20.4	19.3	18.6	859	60.69	13.7	14.8	13.2	28.5
2	331.2	249.6	209	174	143.3	118.9	98.8	68.8	48.6	30.1	20.6	18.7	18.9	868	61.36	13.6	14.7	13.2	28.5

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [42829
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 64.6 m

$3
Sequence: No. of drop Fallheight: Time: 13:52

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	396.7	309.6	257.6	208.8	166.5	132.1	105.8	70.1	48.5	29.8	21	17.1	14	864	61.05	13.9	15.1	13.2	28.25
2	392.6	305.9	254.5	206.4	164.8	131	104.8	69.5	48	29.6	20.6	17.2	13.8	858	60.67	13.9	14.9	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....

Date [dd/m ########
FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 47016
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 50.3 m

$3
Sequence: No. of drop Fallheight: Time: 14:04

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	651.3	495.7	411.9	331.7	261.3	202.8	156.9	91.3	56.2	32.6	23.1	18.5	15.3	846	59.83	14.1	15.6	13.2	28.75
2	639.7	487.9	405.8	327.4	258.4	200.6	155.4	90.8	56.1	32.5	22.9	18.2	14.8	845	59.73	14.1	15.5	13.2	28.75

(c) ROAD SYSTEM 2010, Metric

$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numt 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 47616
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 36.7 m

$3
Sequence: No. of drop Fallheight: Time: 14:07

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	519.4	399.5	333.2	272.7	216.8	171.3	133.5	86.3	57.4	31.6	22.3	19.2	16.3	843	59.6	14.2	15.4	13.2	28.5
2	513.6	396.4	331.2	271.9	216.7	171.6	134.3	87.2	59	32.9	23.2	19.8	16.6	848	59.91	14.2	15.3	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [ı 47783
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4ٴ Altitude: 63.7 m

$3
Sequence: No. of drop Fallheight: Time: 14:12

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	345.5	294.2	261	229.3	196.6	168.1	143.5	101.4	71.3	39.4	26.5	22.1	18.5	843	59.61	13.9	15.1	13.2	28.5
2	338.2	288	255.7	224.7	192.9	165.1	141.1	100.2	70.7	39.2	26.4	21.9	18.4	839	59.34	13.9	15	13.2	28.25

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [48028
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 39.0 m

$3
Sequence: No. of drop Fallheight: Time: 14:14

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	643	486.4	389.9	301.7	234.3	185.8	149.7	95.1	63.2	35.2	24.3	19.9	17	836	59.09	13.9	15.2	13.2	28.5
2	634.8	481.9	387.5	300.4	233.6	185.2	149.1	94.6	63	35.1	23.7	19.5	17.2	841	59.47	14	15.1	13.2	29

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD

Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2
Chainage [48344
Lane..... R
Pavement description...
Remarks.....
Position of Longitude: Latitude: 4 Altitude: 75.0 m

$3
Sequence: No. of drop Fallheight: Time: 14:20

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	364.2	290.2	252	217.9	185	157.6	135.3	98.7	71.5	42.3	28.4	23.2	19.9	821	58.03	13.9	14.7	13.2	28.25
2	365.4	291.3	253.3	219.5	186.6	159.2	137.1	100.3	72.8	43.5	29.4	23.9	20.8	851	60.14	13.9	14.6	13.2	28.5

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$1
Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD
Client Code Verona
Road number:.....
Name of Client:.....
Districtnumber:.....
Road reference:.....
Start reference:.....
Date [dd/m ########
FWD Numb 306-1108
Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250

Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 48525

Lane..... R

Pavement description...

Remarks.....

Position of Longitude: Latitude: 4ᵉ Altitude: 63.7 m

$3

Sequence: No. of drop Fallheight: Time: 14:21

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	373.6	293.4	246.5	205.4	169	138.6	115.9	81.9	59.7	37.3	26.3	20	16.1	849	60.01	13.9	14.8	13.2	28.5
2	366.3	288.6	242.7	202.4	166.5	136.9	114.5	81.1	59	37	25.8	20	16.6	837	59.15	13.9	14.7	13.2	28.25

(c) ROAD SYSTEM 2010, Metric

$1

Filename:.. C:\Documents and Settings\Inoferini\Desktop\Verona.FWD

Client Code Verona

Road number:.....

Name of Client:.....

Districtnumber:.....

Road reference:.....

Start reference:.....

Date [dd/m ########

FWD Numb 306-1108

Load plate 150

	R(1)	R(2)	R(3)	R(4)	R(5)	R(6)	R(7)	R(8)	R(9)	R(10)	R(11)	R(12)	R(13)
Radial offse	0	20	30	40	50	60	70	90	110	150	190	230	250
Tolerance [	5	5	5	5	5	5	10	10	10	10	10	10	10
Correction |	0	0	0	0	0	0	0	0	0	0	0	0	0

Filter ON:... 60 Hz

$2

Chainage [ı 51108

Lane..... R

Pavement description...

Remarks.....
Position of Longitude: Latitude: 4ᵉ Altitude: 53.0 m

$3
Sequence: No. of drop Fallheight: Time: 14:35

Drop	D(1)	D(2)	D(3)	D(4)	D(5)	D(6)	D(7)	D(8)	D(9)	D(10)	D(11)	D(12)	D(13)	kPa	kN	Air	Sur.	Man.	Pulse time
1	547.2	377.8	272.9	181.7	108.5	79.5	70.3	54.4	41.4	29	20.9	16.2	13.5	891	62.96	14.4	16	13.2	29.75
2	530.9	368	267.4	179.8	109.4	79	70.1	54.2	40.9	28.8	20.3	15.7	12.7	872	61.67	14.4	15.9	13.2	29.5