

SURFACE SYSTEMS & INSTRUMENTS, INC.

Custom Test Equipment • Mobile Technology Solutions

California

1845 Industrial Drive Auburn, California 95603 Telephone: (530) 885-1482 Facsimile: (530) 885-0593

Kansas

307 Plymate Lane Manhattan, Kansas 66502 Telephone: (785) 539-6305 Facsimile: (415) 358-4340

smoothroad.com

CS8500 PROFILOGRAPH

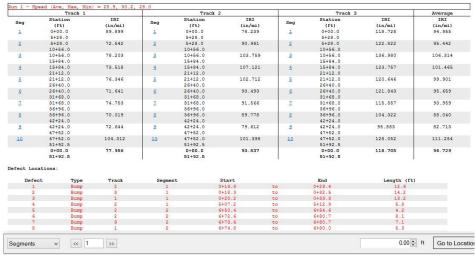


HARDWARE	SOFTWARE
•The original and <i>only true</i> California type system. Formerly the Cox	•Easy to learn, easy to use Windows software programs.
and McCracken branded systems.	•Multiple profile Indexes supported (PRI, IRI, HRI, RN).
•Guaranteed compliance for USACE/FAA, ASTM, DOT specifications.	Computer instructed calibration and data collection routines.
 Professionally engineered hardware refined over 50 years. 	•Feature rich, mature data analysis software.
One-person assembly and operation.	•Collect dual wheel paths from either direction or any starting point.
Aluminum frame and support wheels assemble in minutes.	•Dual wheel paths test results on one trace with results averaged.
 Portable operator control housing with AC/DC power supplies. 	•Two trace reports allow assessment of profile across lane.
Bi-directional frame operation (reversible steering hardware orients	English or Metric data collection and reporting.
system to test adjacent wheel path without turn-around).	•Display of test results, stationing, and profile trace during collection.
system to test adjacent wheel path without turn-around).	• Localized Roughness navigation through trace view & Google Earth.
Panasonic Toughbook computer with Touchscreen controls.	•Must-grind bumps/dips display in real time with audible alarm.
•Toughbook computer is Mil-Spec (<1.5% annual failure rate).	•Customized localized roughness reports display dimensions and peak
•Lightweight generator for AC power. • Optional DC battery.	magnitude for each bump and dip.
•GPS subsystem displays of GPS position, integrates coordinates with	 Profile reports and traces on-screen, in PDF images, or hard copy.
profile stations, localized roughness, and Google Earth.	•Raw data exports to multiple formats (Excel, ERD/PPF for ProVal).
•Adjustable hardware for over/under steering on curved surfaces.	Raw profile data encrypted for maximum security.
•Reversible brake for parking frame on sloped surfaces.	Profile data infinitely re-writable with different parameters.
Optional enclosed cargo trailer with engineered hardware for	Parameters adjust comply with all commonly used agency
secure storage and transit of CS8500 system.	specifications (e.g. ASTM, DOT, Transport Ministry, FAA, and USACE).
•All major spare parts stocked and available by expedited delivery.	•Add new data to existing profile data files for comparison of original
Warranty on all individual and integrated system components.	and corrected surfaces. • Track ride improvement throughout project.
Optional on-board printer for field printing traces and reports with	Software license for field and desktop computers.
power assisted paper take-up for auto-scrolling of profile traces.	On-site operator training and certifications available worldwide.
Bridge configuration available (e.g. CalTrans Test 547).	Software updates by internet download (self-extracting).
•Buy or Rent (equipment only or with trained operator).	Worldwide customer support.



CS8500 Profilograph

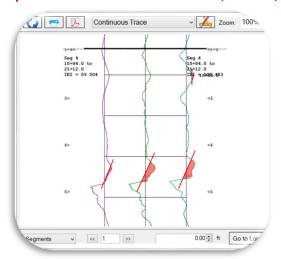




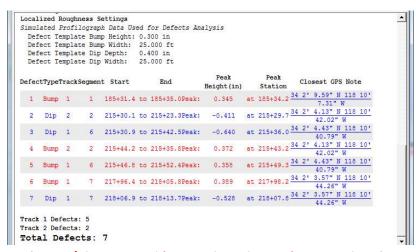


▲ Google Earth Real Time View of Profile ▲

▲ Report Window View of Test Results, Defects, and GPS Coordinates ▲



▲ On-Screen View of Multiple Wheel Path Profile Traces ▲



▲ Bump/Dip Reports with Exact Dimensions and GPS Locations **▲**





▲ Rugged Touchscreen Computer **▲**



▲ Detachable Housing With AC/DC Power ▲



▲ Optional Enclosed Trailer ▲

Surface Systems & Instruments, Inc.

California

1845 Industrial Drive, Auburn, California 95603 Tel: (415) 383-0570 • Facsimile: (415) 358-4340 smoothroad.com

(ansas

307 Plymate, Manhattan, Kansas 66502
Tel: (785) 539-6305 • Facsimile: (415) 358-4340
info@smoothroad.com

