

Continuous Move Planner (CMP)

Truckload transportation planning simplified

With the mission to provide customers with contemporary Logistics and Supply Chain Management software solutions that add a multiple of measurable value over the cost, Paradox Software Consulting offers a revolutionary approach to logistics software. Paradox' offering includes a tool kit available in the traditional licensing model as well as in the On-Demand or Software-As-A-Service (SaaS) model.

CMP is a truckload matching and scheduling tool that builds continuous moves to maximize yield and enable businesses realize immediate savings from day one at a fraction of the cost.

Operating costs are reduced by 5 to 15%. Risks are eliminated and start up requirements are minimal. CMP affords small fleet operators the same tools as those used by the large operators and provides an immediate and significant return on investment.

—Though standard licensing is available, with Paradox's SaaS option, transportation cost savings can be realized from day one. There is no long-term payout or huge up-front cost. All you need to get started is a computer and an Internet connection. You can access the application and data on your "Digital Desktop" in real-time anytime, anywhere, from any computer. All your business data is secure on redundant servers — daily backups, virus and intruder protection.



Key Features

- ◆ CMP can be used to match shipment lanes for truckload carriers to help with bidding and strategic shipping agreements. Using the patterns of moves CMP generates, the total empty distance traveled can be minimized and net yield maximized.
- ◆ Operationally, CMP can match truckload moves over smaller planning horizons with DOT regulations, pickup and delivery constraints (time windows and service times), and other operating constraints per user defined objective.
- ◆ Determining optimal matches of closed loop routes with backhaul opportunities, CMP helps 3PLs, private fleet operators, and common carriers maximize the utilization of their transportation assets.
- ◆ Driver and Vehicle scheduling can generate optimal schedules to maximize the utilization of transportation resources.
- ◆ Mapping functionality is provided through interfaces with Microsoft MapPoint, and PC*Miler. Multiple options are available for Distance and time calculations including proprietary engine, MapPoint, and PC*Miler.
- ◆ Can accommodate any flat file import and export requirements to facilitate interfacing with client's systems.
- ◆ User interface designed for ease-of-use and short learning curve. Presentation tools include reports, maps, and Gantt charts.
- ◆ Quick and easy implementation. Understanding of and working with CMP requires very little training. Model setup takes only few minutes.

Business Benefits

- ◆ Increase on-time delivery with better scheduling
 - Reduce detention charges
- ◆ Quick Return on Investment
 - Empty lanes identified to determine areas where freight has to be contracted to increase loaded distance
 - Backhaul opportunities identified for dedicated fleet operations by mixing in portions of one-way business
 - Helps carriers determine how a potential bid will integrate with their network and/or to optimize their one-way fleet utilization
- ◆ Plan faster
 - Respond quicker to bid proposals
 - Free planners for more value-added activities
 - Planners start using the tool after only 1.5 days of training
- ◆ No upfront investment
 - Pay-as-you-go usage of the software is an option
- ◆ Affordable software for ALL
 - Small fleet operators can now streamline their operations using the same tools typically used by large fleet operators

Leg (0-D Family) Information

Leg ID: Order # Status: Feasible Force Match

Origin: Loc-12 OH -84.51096
 Destination: Loc-13 NY -73.99305

Miscellaneous: Distance: 568.18 Load1: 0.00 Transit Time: 00:00
 Revenue: 0.00 Load2: 0.00 Equipment Type:
 Period #: 0 Load3: 0.00 Frequency: 2

Pickup Date & Time: Month: Apr Day: 14 Year: 2003 Time: 21:00
 Pickup Buffer & Service: Buffer: 02:00 Service: 00:00
 Status & Type: Load Type:
 Location Loads: Pickup Only Pickup Load: 0.00
 Delivery Only Delivery Load: 0.00

Delivery Date & Time: Month: Apr Day: 15 Year: 2003 Time: 12:00
 Delivery Buffer & Service: Buffer: 02:00 Service: 00:00
 Origin Status Code:
 Destination Status Code:

Continuous Move Information

Continuous Move Statistics | Continuous Move Manifest

General: Move ID: 3 Equipment Type: Frequency: 0 Load Factor: 83.75 %

Locations: Start: NY DOMICILE ID: NY DOMICILE
 New York NY 1801 City/St/Zip: New York NY 1801
 Lat/Long: 38.91642 -94.07605 Lat/Long: 38.91642 -94.07605

Statistics: Loaded Legs: 3 Loaded Distance: 1388.46 Drive Time: 60:03
 Empty Legs: 4 Empty Distance: 268.58 Service Time: 00:00
 Total Legs: 7 Total Distance: 1657.04 Wait Time: 00:00
 Total Load: 0.00 Yield / Distance: 0.00 Layover Time: 48:00
 Total Yield: 0.00 Trip Time: 108:03
 Pre-Post Time: 01:00

Time Statistics: Drive Time: 60:03 Service Time: 00:00 Wait Time: 00:00 Layover Time: 48:00 Trip Time: 108:03 Pre-Post Time: 01:00

Times: Departure Time: 20:11 Sat 4/12/2003 Resources: Tractor: Tractor-02 Trailer:
 Return Time: 08:14 Thu 4/17/2003 Driver 1: Driver-33 Driver 2:

Status: Feasibility: Number of Layovers on Continuous Move 3 [60:03] exceeded the maximum allowed.

Continuous Move Planner

Project Open Data Tools Solve London Help

Family ID	Origin	Loaded Distance	Empty Distance	Load Factor	Start Time
1	NY DOMICILE	1105.37	235.87	0.82	12:44 Thu 4/11/...
2	NY DOMICILE	481.52	0.00	1.00	13:44 Thu 4/11/...
3	NY DOMICILE	1388.46	268.58	0.84	20:11 Sat 4/12/...
4	NY DOMICILE	312.10	0.00	1.00	13:20 Sun 4/11/...
5	NY DOMICILE	408.98	0.00	1.00	20:20 Sun 4/11/...
6	NY DOMICILE	400.40	0.00	1.00	13:20 Mon 4/11/...
7	NY DOMICILE	177.82	0.00	1.00	21:20 Mon 4/11/...
8	NY DOMICILE	288.95	0.00	1.00	21:20 Mon 4/11/...
9	NY DOMICILE	225.13	0.00	1.00	21:20 Mon 4/11/...
10	NY DOMICILE	568.18	0.00	1.00	00:00 Thu 4/11/...
11	NY DOMICILE	568.18	0.00	1.00	00:00 Thu 4/11/...
12	NY DOMICILE	568.18	0.00	1.00	10:56 Tue 4/11/...
13	NY DOMICILE	568.18	0.00	1.00	10:56 Tue 4/11/...
14	NY DOMICILE	613.98	0.00	1.00	17:41 Sat 4/12/...
15	NY DOMICILE	540.75	0.00	1.00	23:41 Sat 4/12/...
16	NY DOMICILE	715.18	0.00	1.00	22:11 Fri 4/11/...
17	NY DOMICILE	794.39	0.00	1.00	20:41 Sat 4/12/...
18	NY DOMICILE	615.07	0.00	1.00	10:41 Sat 4/12/...
19	NY DOMICILE	715.18	0.00	1.00	21:41 Sat 4/12/...
20	NY DOMICILE	481.52	0.00	1.00	00:00 Thu 4/11/...
21	NY DOMICILE	481.52	0.00	1.00	19:44 Thu 4/11/...
22	NY DOMICILE	584.86	0.00	1.00	07:25 Mon 4/11/...
23	NY DOMICILE	294.20	0.00	1.00	21:20 Sun 4/11/...

Map - Microsoft MapPoint North America

North America United States States-

ID	Vehicle Name	Work Time	Drive Time	Legs	Distar
1	Tractor-01-1	81:41	80:41	6	1182
2	Tractor-02-2	100:10	99:10	10	2225
3	Tractor-03-3	85:06	84:06	6	793
4	Tractor-04-4	89:53	88:53	6	890
5	Tractor-05-5	107:17	106:17	8	1909
6	Tractor-06-6	77:38	76:38	6	1066
7	Tractor-07-7	87:23	84:52	6	1283
8	Tractor-08-8	42:20	41:20	3	615
9	Tractor-09-9	48:59	47:59	3	794
10	Tractor-10-10	46:45	45:45	3	715

Summary Statistics

Legs	
Total Legs	26
Loaded Legs	26
Empty Legs	49
Unmatched Legs	0
Un-realized Yield	0.00
Continuous Moves	
Continuous Moves	23
Total Loaded Distance	12908.07
Total Empty Distance	504.44
Load Factor	0.96
Total Yield	0.00
Average Yield / Distance	0.00
Resources	
Total Tractors	16
Total Trailers	0
Total Drivers	23

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