

# Professional Resume

**Dolores Brehm, Senior Scheduler**



## Overview

Dolores Brehm has over 35 years experience in public transportation with an emphasis on bus scheduling, and project management. Ms. Brehm entered the public transit industry in 1969 upon joining the Kansas City Area Transportation Authority. She held progressively responsible positions in the Schedule/Transportation Department which led to her promotion to Superintendent of Schedules. She also served as KCATA's Siemens' Radio/ITS Project Manager and System Administrator. As the 'budget specialist' for the Transportation/Schedule Department, Ms. Brehm was responsible for coordinating and preparing the annual Transportation Operating Budget. She also served on the KCATA labor management committee, and participated in several labor contract negotiations and arbitrations during her career.

A Senior Associate for TMD since 2007, Ms. Brehm provides HASTUS vehicle, crew, rostering and report writing assistance to the Foothill Arcadia Division and to Pace Bus during the past year.

## Vehicle and Crew Scheduling

As Superintendent of KCATA's scheduling department, Ms. Brehm led the effort to improve efficiency in schedules and crew scheduling by reviewing the schedules and runcuts for the agency's 235 peak vehicles and 400 operators. Ms. Brehm used data obtained from KCATA's first AVL system to analyze run times and reschedule several of their routes which resulted in a savings of 5% in operating expense on seven major routes without reducing service or effecting system reliability. This was a savings of \$1.4 million in operating expense.

In addition, this also enabled the KCATA to remove eight peak vehicles from service. Ms. Brehm also instituted an ongoing program of systematically analyzing a number of route and crew schedules on a quarterly basis to optimize efficiencies in scheduling operators without impacting service on the street. Ms. Brehm has nine years experience in using GIRO's HASTUS Vehicle and Crew modules. She was responsible for creating and maintaining the HASTUS databases and setting up HASTUS AVL data for the Siemens' AVL/Radio Project at KCATA.

## Project Management

Ms. Brehm was the project manager and administrator for the GIRO HASTUS software project. She was responsible for writing the scope of services for the RFP acquiring scheduling, and operations software for KCATA. She also was assigned the task of project manager and administrator of the Siemens Radio/AVL Project during its three year implementation.

## Relevant Experience

### *TMD Sunline Scheduling Bureau*

Sunline has realized maximized efficiency through TMD's expert scheduling using the computer-assisted scheduling software, Hastus, to achieve optimum results. Ms. Brehm provides complete fixed-route scheduling support for the SunLine Transit Agency under a scheduling service bureau arrangement, and maintains SunLine's service, vehicle, and crew schedules on TMD's servers. As part of the management team Ms. Brehm employs a detailed level of oversight and control to ensure that performance goals are consistently achieved.

## Education

University of Missouri at Kansas City  
MIT Planning/Scheduling Program  
MIT Workshop on Computer-Aided  
Public Transport Schedules

## Experience

Transportation Management &  
Design, Inc.

Kansas City Area Transportation  
Authority

(1969 to 2007)

- Project Manager Siemens  
AVL/Radio Project and  
Superintendent of  
Schedules (2002-2007)
- Superintendent of  
Schedules  
(1986-2002)
- Principal Schedule Maker  
(1980-1986)
- Schedule Maker (1978-  
1980)
- Schedule/Route Analyst  
(1976-1978)
- Route and Schedule  
Clerk  
(1974-1976)
- Schedule Clerk/Typist  
(1969-1974)

***Kansas City Area Transportation Authority HASTUS Software Acquisition (1998-1999)***

KCATA desired to computerize its scheduling, crew assignments, information call center, route mapping and daily operations in an effort to create more efficient and reliable schedules, and automate daily dispatching, operator payroll interfaces, and information call center. An in-house study of needs and assessments was performed which resulted in the generation of a scope of services for one software provider to provide modules for scheduling, crew, mapping, information, daily operations dispatching and operator payroll interface with the KCATA's Lawson payroll system. The RFP was distributed in 1998 and was awarded to GIRO to provide HASTUS modules for Vehicle, Crew, Bid, DDAM, GEO Mapping, and HASTINFO. The database for the schedules and GEO was created by KCATA scheduling staff from current schedules and the project was completed and accepted in 1999. The Schedule Department went 'live' with the HASTUS Vehicle and Crew in late 1999.

***Kansas City Area Transportation Authority HASTUS Vehicle and Crew Implementation (2000)***

In 2000, KCATA began utilizing the HASTUS software to develop several scenarios for crew schedules that would provide a cost savings in operator equivalent pay hours of at least 2% and as much as 4%. The decision was made to utilize the 2% savings scenario which only affected the major routes on the system. The schedules were preserved and there was no impact to the service on the street.

***Kansas City Area Transportation Authority Radio/ ITS Project (2002-2006)***

KCATA received federal funding in 2002 to replace its 13 year old radio/CAD/AVL signpost system. An RFP was issued in June, 2002 for a turn key system to provide replacement hardware and software for a state of the art Radio/GPS/AVL system which would track all KCATA buses, supervisor and maintenance vehicles. The system would also be required to interface with the HASTUS system. The contract was awarded to Siemens in November, 2002. The notice to proceed was issued to Siemens in January, 2003. Work on the project began in January, 2003. The project was managed in-house with the aid of an outside consultant. The project was successfully completed and accepted in the fall of 2006. The KCATA began utilizing the real time schedule adherence information in 2005 as an aid in creating and adjusting schedules on a quarterly basis. The running time information interfaced with HASTUS ATP (running time) module and was easily accessed by scheduling personnel. This enabled the schedulers to monitor and then create more realistic and dependable schedules on several routes on an as needed basis.

***Kansas City Area Transportation Authority Schedule Scenarios for Budget Shortfall (2002)***

In 2002 the KCATA was facing a possible loss in funding that would require a major service reduction of at least 25% of its on-street service in 2003 and even more service cuts in 2004. In preparation for these reductions, several scenarios were created which preserved the core service and presented to the public at several meetings for their comments. Fortunately, the KCATA was able to campaign successfully for an increase in its share of transportation sales tax revenue in November, 2002 and none of the scenarios were implemented.

***TMD (2007-2008) Foothill Transit Arcadia Division Crew Schedule Preparation and Rostering***

In 2007 and 2008 assisted the Arcadia Division of Foothill Transit on site with preparing their HASTUS crew schedules and rosters for production at the Arcadia Division 'shakeups'. Ms. Brehm also generated numerous HASTUS reports and vehicle operating documents such as block reports, car reliefs, relief opportunities' lists, operator paddles, roster lists and assignments and operating statistics.

***TMD (2007) PACE Vehicle, Crew and Rostering Project***

Ms. Brehm provided on-site assistance to the PACE scheduling staff in preparing for an expected \$20 million dollar service cut due to expected funding cuts in 2008. Ms. Brehm provided assistance in HASTUS preparing various vehicle blocking scenarios, crew schedule scenarios using 'crew opt' in HASTUS. Ms Brehm also created various roster assignments, lists to provide further cost savings. Ms Brehm also provided HASTUS 'coaching' to scheduling staff inexperienced in use of HASTUS MinBus. Fortunately, PACE received the needed funding and did not implement the service cuts.