

公共交通优先控制与信息服务框架

Bus priority control and Information Service Architecture



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主要内容

Summary

1. 公交优先控制与信息服务需求分析

Bus Priority Control and Information Service Requirement Analysis

2. 上海公交优先控制信息服务框架

Bus Priority Control and Information Service Overall Architecture

3. 近期研究与开发项目

Recent Research and Project

4. 建设规划与目标

Construct Planning and Objective

1. 公交优先控制与信息服务需求分析

Bus Priority Control and Information Service Requirement Analysis

❑ 开发先进的公交优先控制技术是落实“上海公交优先三年行动计划”的基本要求

Bus priority control techniques are the demand of “Shanghai three years action planning of bus priority”

❑ 先进的公交优先控制技术是提高公交服务水平、增加公交吸引力、优化交通结构的重要方式

Advanced bus priority control technique can improve bus service, increase bus use attraction and optimize transport structure.

❑ 实行公交信号优先是提高公交运行速度的基础技术要求

Bus signal priority will increase bus opspeed.

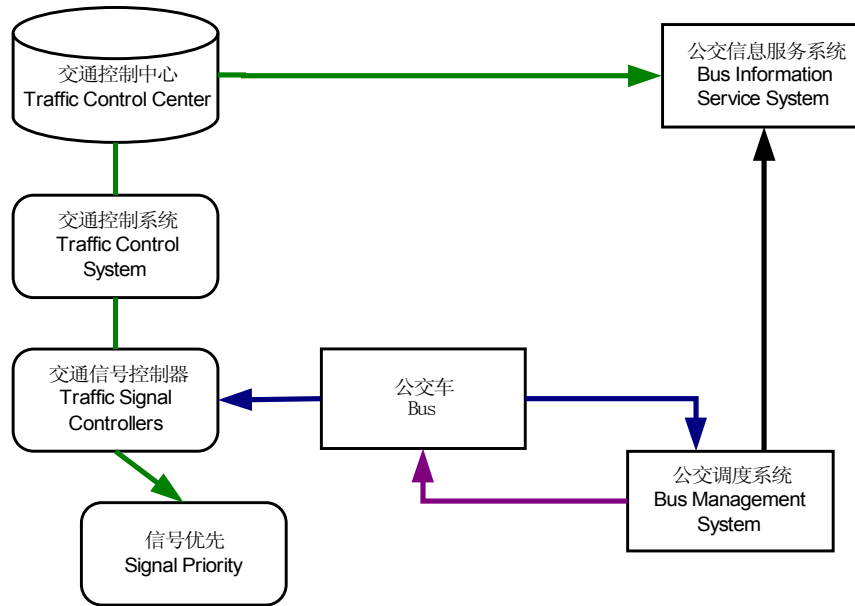
❑ 先进的公交优先控制技术是提高公交准时率的基本保障

Advanced bus priority control can ensure that the bus arrive at the stop on time.

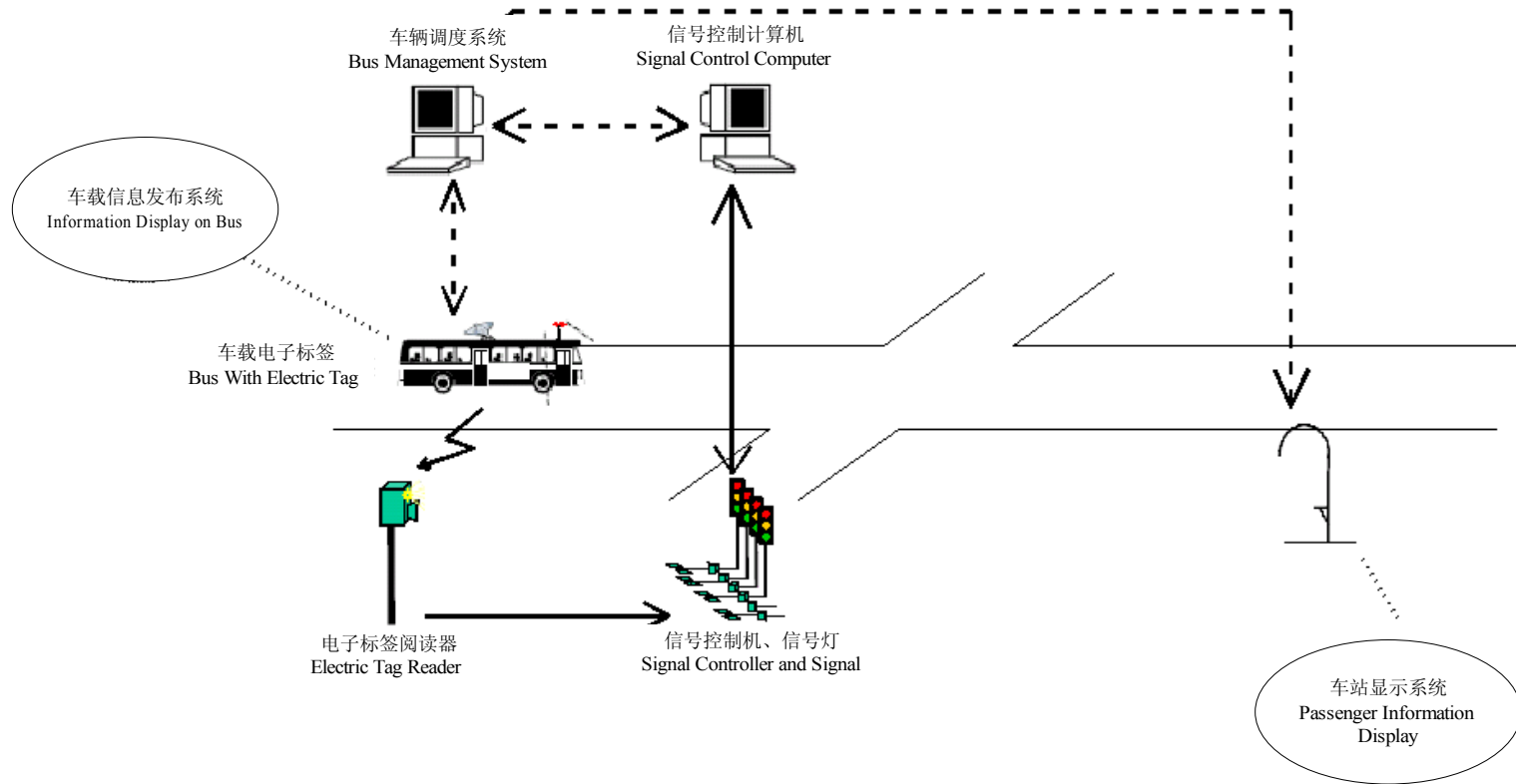
❑ 完善的公交信息服务是提高公交出行率的重要手段

Perfect bus information service can save more travel time.

2. 上海公交优先控制与信息服务平台 Bus Priority Control and Information Service Overall Architecture



2. 上海公交优先控制与信息服务平台 *Bus Priority Control and Information Service Overall Architecture*



3. 近期研究与开发项目

Recent Research and Project

已开展研究的项目

Finished Research Project

- 世博巴士优先关键技术研究
- **EXPO bus priority key technology research**
- 高等级公交专用道示范工程
- **Bus exclusive lane demonstration project**



3. 近期研究与开发项目

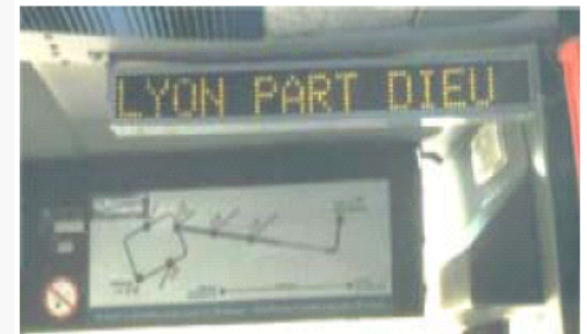
Recent Research and Project

建议开展研究的项目 Suggested Research Project

- ◆ “公交优先”支撑技术与信息服务集成应用总体方案研究。
“Bus Priority” support techniques and information services integration application general scheme research
- ◆ 高等级公交专用道公交优先控制和信息服务研究和应用示范
Bus priority control and information service research and application demonstration in advanced bus exclusive lane
- ◆ 世博专用道专线巴士信号优先和信息服务研究和应用示范
Bus signal priority and information service research and application demonstration in EXPO exclusive lane
- ◆ 公交优先控制系统软件开发和应用
Bus signal priority control software development and application
- ◆ 公交信号优先仿真和评估应用研究
Bus signal priority simulation and evaluation application research



台湾 Taiwan



法国 里昂 France Lyons

4. 建设规划与目标

Construct Planning and Objective

□ 建设规划 construct planning

2007 — 2008

- “公交优先”支撑技术与信息服务集成应用调研和技术方案
- **“Bus priority” support techniques and information service integration application survey and technique scheme**

2008 — 2009

- 完成高等级公交专用道整条线路的公交信号优先试验
- **Finish bus signal priority test of advanced bus exclusive lane**
- 开展世博专用道公交优先示范工程试验
- **EXPO bus signal priority demonstration project test**

2009 — 2010

- 完成公交优先仿真研究，对示范工程进行评估
- **Finish bus priority simulation, evaluate demonstration project**



□ 达到的目标 objective

- ◆ 运行速度 (Average Speed) : $\geq 15\text{km/h}$
- ◆ 准点率 (Time Accuracy) : $\geq 90\%$



**Thank
You !**