NEXT GENERATION PARKING STRATEGIES

OVERVIEW

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PERFORMANCE BASED PARKING MANAGEMENT

What does it include?
Performance based parking includes data driven decisions to influence demand and use of parking to meet overall goals.

What does it solve?
Optimizes use of valuable parking assets, balances demands, reduces drivers circulating to find available parking, and reduces driver frustration.
PERFORMANCE BASED PARKING MANAGEMENT

Why is it important?
Provide convenient access to local businesses, reduce congestion and greenhouse gas emissions, improves economic and neighborhood vitality, and provides for a more positive parking experience.

PERFORMANCE BASED PARKING – SDOT TARGET

PERFORMANCE BASED PARKING – SEATTLE

PERFORMANCE BASED PARKING – TIME OF DAY

PARKING GUIDANCE SYSTEMS
What does it include?
Parking guidance and detection systems.

What does it solve?
Allows drivers to quickly find available parking, reduces drivers circulating for available parking, and can provide input into modal choice.

Why is it important?
Optimizes use of available parking, reduces vehicle congestion and pollution, and improves customer experience.
PARKING PAYMENT TECHNOLOGY

What does it include?
Smart meters, credit cards, EMV contactless payment, mobile payment, RFID

What does it solve?
Allows multiple payment options, improved compliance, and increased parking facility efficiency.

Why is it important?
Improves user experience, processing time, and enforcement.
PARKING PAYMENT TECHNOLOGY – ON-STREET

Multiple payment sources:
- Credit card
- Phone
- Branded parking card
- Parking enforcement
- Smart meters
- License plate reader technology

PARKING PAYMENT TECHNOLOGY – OFF-STREET

THE FUTURE OF PARKING

MULTIMODAL CHALLENGES

INTELLIGENT TRANSPORTATION – DYNAMIC LANE ASSIGNMENT
COMMERCIAL VEHICLE PILOT PROJECT

CONNECTED VEHICLES

TRANSPORTATION MANAGEMENT CENTERS

AUTOMATED GARAGES

DRIVERLESS VEHICLES/FOLDING CARS?

BIG DATA
INTELLIGENT TRANSPORTATION – SMART CITY

SMART & SUSTAINABLE CITY TRANSPORTATION

Inputs: BIG DATA
Inputs: SMALL DATA

User Experience

Planning

Q&A
THANK YOU

Dan McKinney
Principal

Karl Typolt
ITS Engineer

To connect.