



TO: Board of Public Works
FROM: Mark Radtke, Director of Public Works
Kara Homan, Principal Planner
DATE: February 11, 2014
RE: **Roundabout Amenities & Maintenance for WIS 441 Tri-County Project**

BACKGROUND

As part of the WIS 441 reconstruction project, the Wisconsin Department of Transportation (WisDOT) will be constructing 4 new roundabouts. Two will be located at the Racine St/CTH P interchange; an additional 2 will be located at the Appleton Rd/STH 47 interchange (preliminary interchange designs are attached).

WisDOT is requesting the following with respect to each roundabout:

1. A designated municipal entity to negotiate a maintenance agreement for ongoing maintenance of roundabout amenities.
2. Determination of the extent of landscaping & amenities desired by the designated municipality (Level 1, 2, or 3 roundabout landscaping and "eligible" amenities as explained in the attached CSS Solutions document).

Jurisdiction at both interchanges is shared between the City of Menasha and the Town of Menasha (see map on the final page of the CSS Solutions document).

FISCAL IMPACT

All "eligible" costs of installation of roundabout landscaping and amenities are paid for by WisDOT as part of the highway reconstruction project. Examples of "ineligible" items are included in the attachment. Ongoing maintenance of landscaping will be the responsibility of the municipality, and would be worked into the city's annual maintenance schedule. Electrical costs are the responsibility of WisDOT for lighting that is necessary for the functionality of the roundabout.

RECOMMENDATION

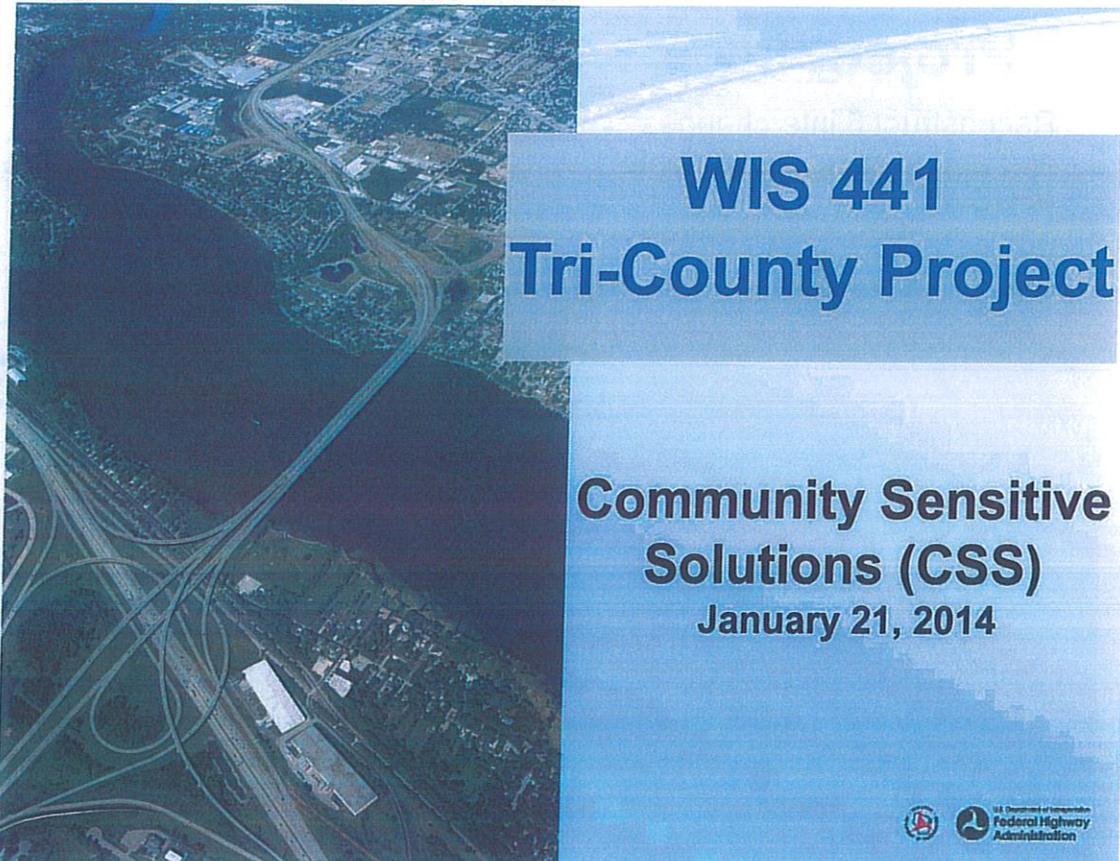
Staff is seeking authorization from the Common Council to pursue maintenance agreements, Level 3 landscaping, red-brick style stamped concrete where applicable, and the selection of "eligible" decorative light fixtures for required lighting at the two roundabouts **south & east** of 441 (adjacent to Shopko Plaza & Calder Stadium). This would provide the city the ability to create a visually appealing entrance into Menasha, and provide the city the authority to maintain the overall aesthetic of these important

and prominent gateways to the community. Staff will work closely with WisDOT to ensure plants selected are low maintenance while presenting a strong visual appeal.

Based on preliminary discussions with Town of Menasha staff, they will be bringing forth a recommendation to the town board seeking design authority and pursuit of maintenance agreements for the roundabouts **north & west** of 441.

Splitting the maintenance responsibilities this way is in accordance with our boundary agreement with the town, which designates the city's growth area as south & east of 441, and the town's as north & west of 441.

The final maintenance agreements will need to be presented to the Common Council for approval.



WIS 441 Tri-County Project

**Community Sensitive
Solutions (CSS)**
January 21, 2014



Meeting Agenda

- Schedule overview
- Identify interchange opportunities for Town
- Site Amenities & Materials
- Determine level of interchange aesthetics
- Discuss key maintenance requirements



Project improvements-overview

- Reconstruct 5 interchanges and add missing movements at US 41
- Construct a second parallel bridge over Little Lake Butte des Morts
- Replace 6 miles of mainline pavement, expand to 6 lanes
- Revise interchange control



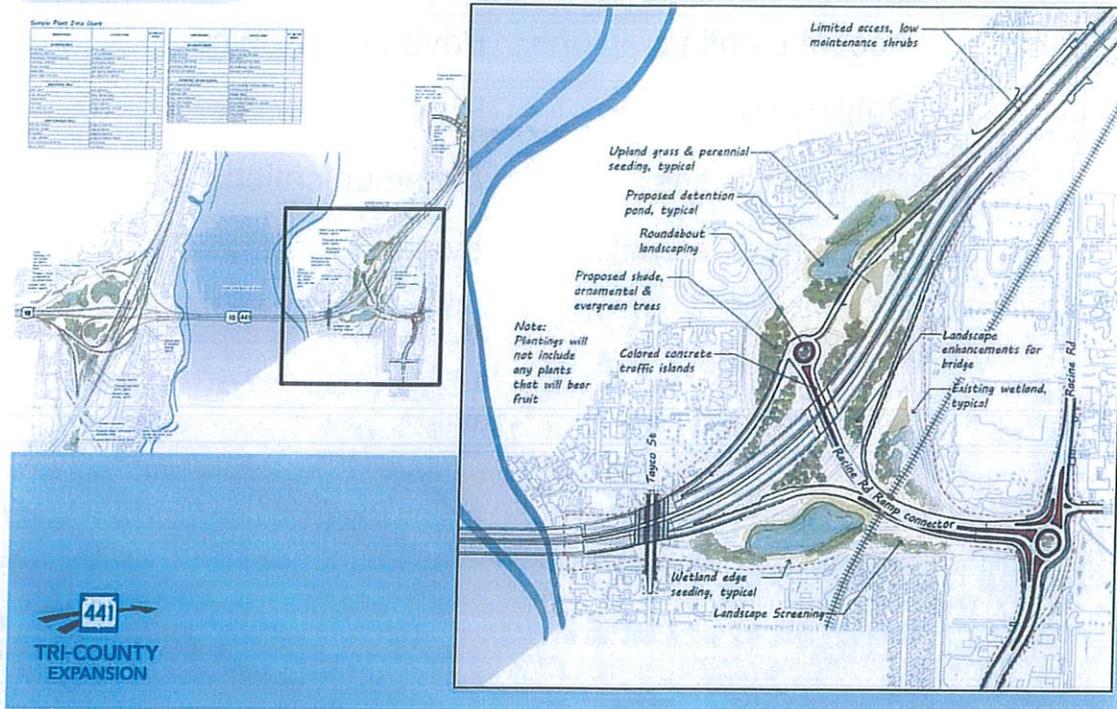
• Add auxiliary lanes along US 41 for system interchange operation

Project schedule update

Function	2012	2013	2014	2015	2016	2017	2018	2019
Design	█							
Real Estate		█	█					
Utilities		█	█					
Construction		█	█	█				

Note: Timelines are subject to change

Conceptual Master Plan



CSS Eligible items

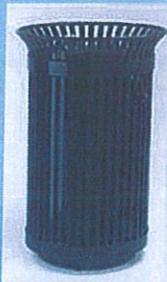
- Aesthetic Railings
- Anti-graffiti Coating
- Bicycle / Pedestrian Accommodations
- Bridges
- Decorative Fencing
- Landscaping
- Decorative Treatments
- Lighting
- Native Prairie Seeding
- Noise Barrier Aesthetics
- Retaining Wall Aesthetics
- Sidewalks
- Signals and Signing
- Wildlife Crossings
- Other

CSS Ineligible items

- Accent Lighting
- Public Artwork
- Burying Utilities
- Irrigation Systems
- Parking Lanes
- Pavement Choice
- Public Address or Communications systems



Site Amenities

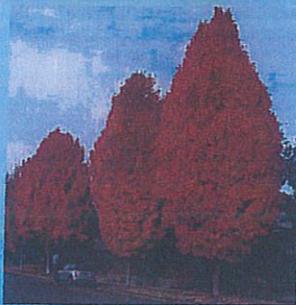


Materials

- Planting
 - Trees, perennials, shrubs
- Paving
- Color Palette
- Crosswalk
- Stone Mulch



Trees



Perennials / grasses



441
TRI-COUNTY
EXPANSION

U.S. Department of Transportation
Federal Highway
Administration

Shrubs



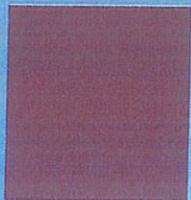
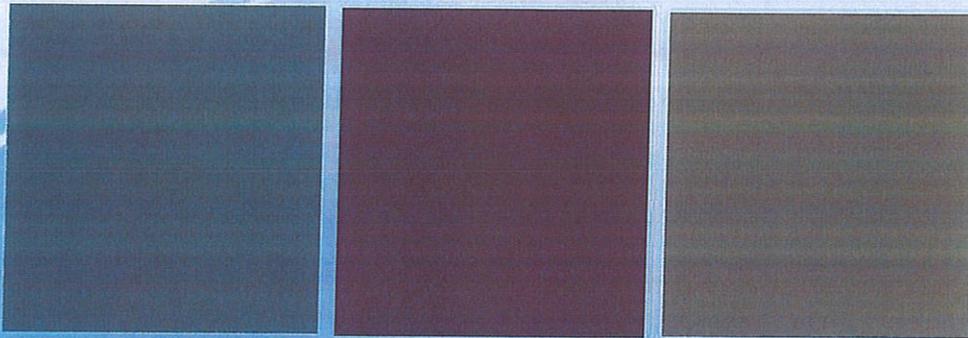
441
TRI-COUNTY
EXPANSION

U.S. Department of Transportation
Federal Highway
Administration

Paving



Color palette



**Standard truck
apron color**



Crosswalks



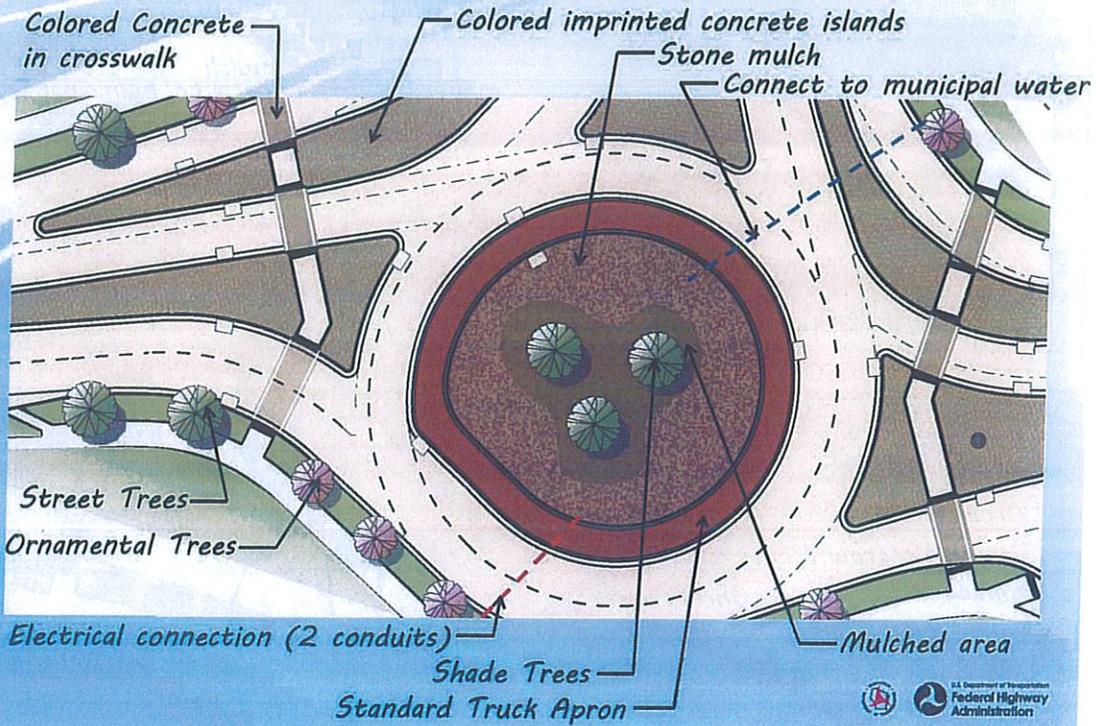
Stone Mulch



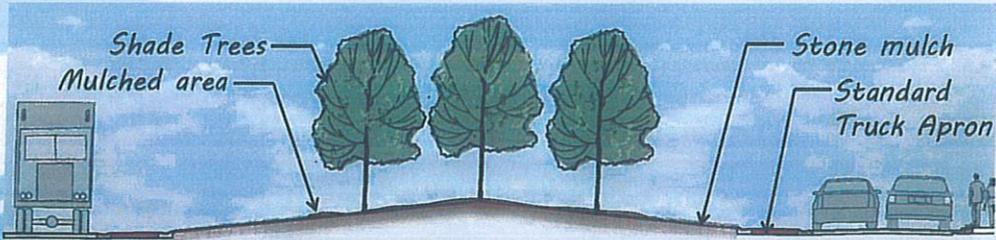
Stone Mulch application



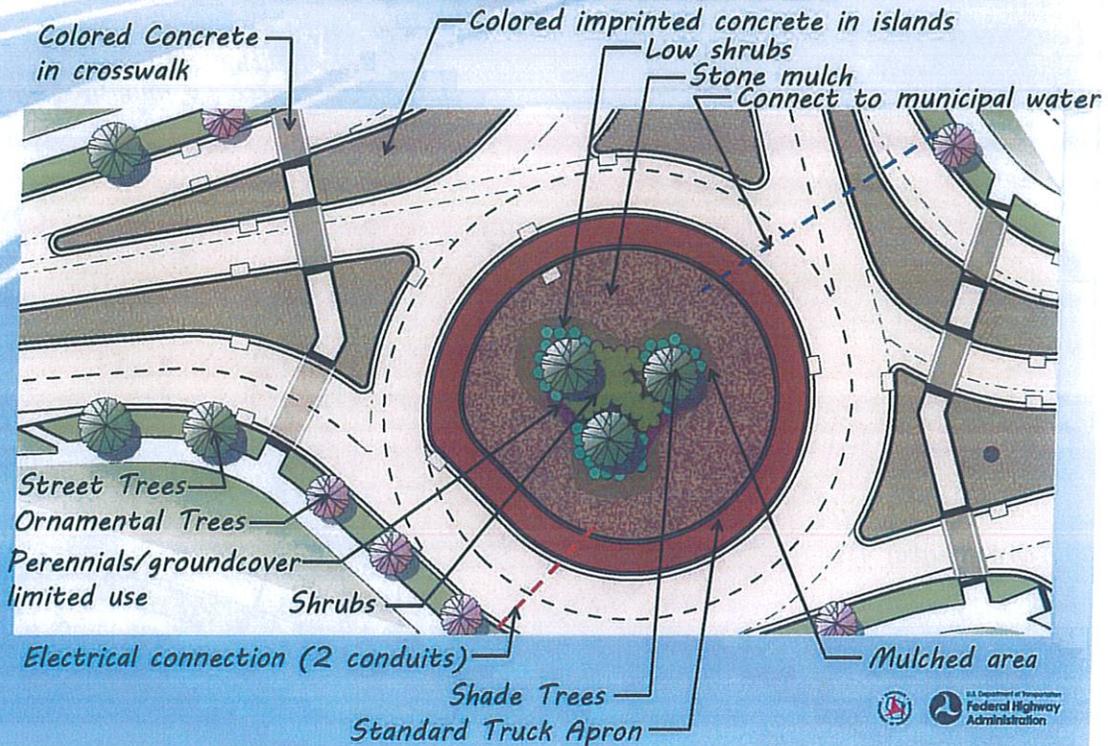
Level 1 roundabout



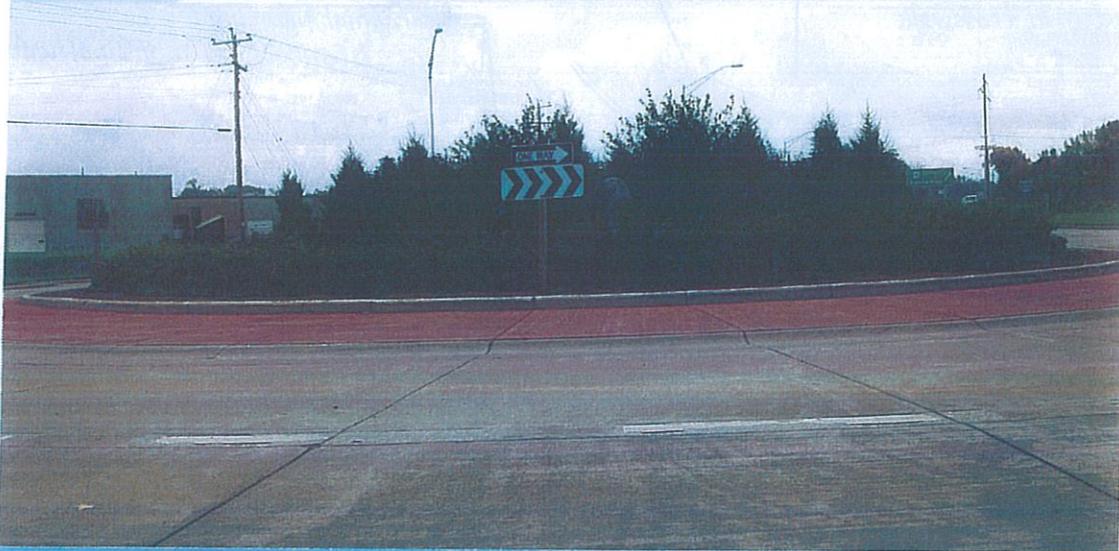
Level 1 roundabout



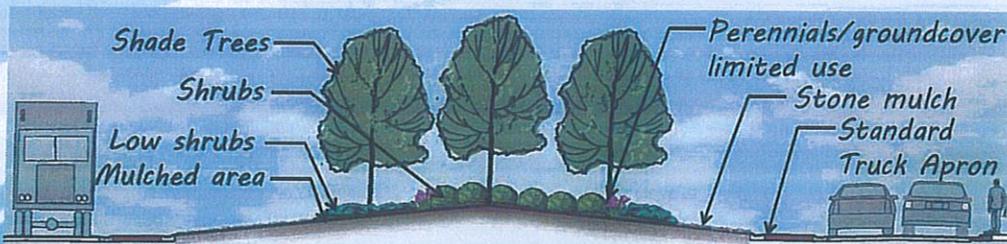
Level 2 roundabout



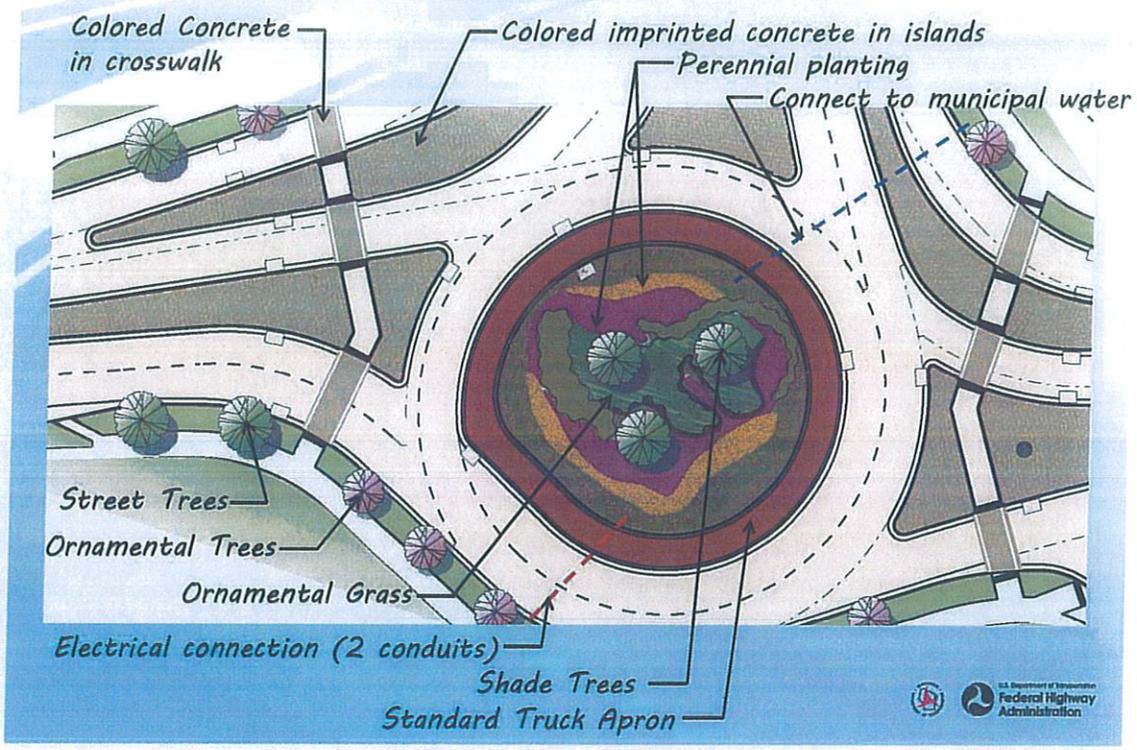
Level 2 roundabout



Level 2 roundabout



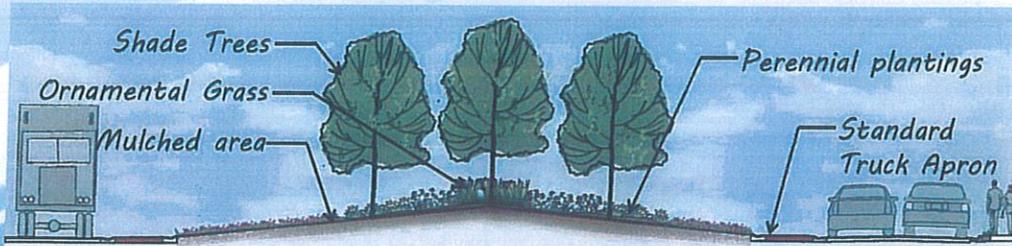
Level 3 roundabout



Level 3 roundabout



Level 3 roundabout



Maintenance Requirements

Level 1	Level 2	Level 3
<ul style="list-style-type: none"> • Trim trees • Remove Litter • Weed • Replace dead plants • Replenish mulch • Water as necessary 	<ul style="list-style-type: none"> • Trim trees • Remove litter • Weed • Replace dead plants • Replenish mulch • Water as necessary • Prune shrubs (Once per year) 	<ul style="list-style-type: none"> • Trim trees • Remove litter • Weed • Replace dead plants • Replenish mulch • Water as necessary • Deadhead, prune perennials (3 times a year) • Trim to ground

* Maintenance will be performed by contractor after installation



Maintenance Agreements

- Defines maintenance requirements and funding responsibilities for state and municipality
- In place before plans complete
- Separate agreement for each municipality & construction contract
- CSS does not fund maintenance



Next steps - CSS

- Refine landscape concepts based upon today's input & present to community
- Comments due January 31
- Second Meeting – February 25
- Final design



Questions?



Municipality Boundaries

