



MEMORANDUM

Missouri Department of Transportation Project Development District 4

TO: Jay Bestgen-de

FROM: Rick Orr, P.E. 
Transportation Project Manager

DATE: December 14, 2007

SUBJECT: Route I-470, Jackson County
Pryor Road Interchange, ODA Structure Innovation
Job No. J4I1641
Practical Design 2008 Awards for Excellence

The broad purpose of this project is to reduce congestion and improve both capacity and safety at the interchange complex of I-470 at Routes 50 and 350. Geometric changes to the Interstate 470/US-50 Interchange include the addition of two half-diamond interchanges; one at Pryor Road (currently under construction) and another at Blue Parkway (scheduled for construction in Fall 2008) along with connector roads joining the two half-diamonds, and auxiliary lanes between Blue Parkway and Douglas Street. This split-diamond configuration will provide improved access to local street systems at Colbern Road to the north, Chipman Road to the south, Blue Parkway to the east, and Pryor Road to the west. Improving local access and increasing capacity for regional traffic are the primary goals of this project.

As the project neared the right of way plan stage, the design team became aware of three billboards that were going to be in direct conflict with construction of the improvements. The billboards had not been included in previous right of way estimates and were, consequently, feared to be significant obstacles to an already tight project budget. Even with the assistance of the City of Lee's Summit, our 50/50 cost-share partner for the improvements, we struggled to find an acceptable solution with the billboard company.

Finally, the negotiations between MoDOT, the City of Lee's Summit and the billboard company produced an agreement permitting the billboard company to upgrade two existing billboards at nearby locations to digital displays at their cost, while agreeing to remove the three billboards in conflict with the project. The appraised value of the three billboards was \$850,000, but the cooperative agreement reimbursed the billboard company \$16,200 to remove one monopole structure, resulting in an apparent cost savings of \$833,800.

Team members involved were recognized with a Solutions at Work award in March 2007 for a new best-practice option in billboard negotiations.

Attachments

**MoDOT PROJECTS
2008 APPLICATION FORM**
(required for each entry)

Job No. J4I1641B Route I-470 County Jackson

STIP Description (Scoping or Construction, state which STIP) The construction of a half-diamond interchange at I-470 and Pryor Road and the installation of collector-distributor lanes for eastbound and westbound I-470 as the first contract of committed funding improvements for the I-470/US 50 interchange. This is a cost-share job project between MoDOT and the City of Lee's Summit.

Is the submittal for the entire project or just a portion of the project? Please explain: This submittal represents only part of the entire design project. Efforts to resolve unanticipated relocation/purchase costs for three outdoor advertising structures in the project led to a unique solution; one which could help MoDOT in future negotiations for billboards affected by our projects.

Project Manager (could have both) MoDOT Rick Orr Consultant _____

Key core team members as approved by the MoDOT PM (may include consultants) (limit of 9)

J.P. Sanders-OA Eric Thompson-4rw Shari Severeid-4rw

Project Contacts: District _____ Consultant Rick Orr

Project Budget:

Conceptual budget \$ _____ Initial STIP Budget \$ _____

Final STIP budget \$ _____ Award amount \$ _____

Value Engineering study during design? yes no (if yes) Project Stage _____

Total VE savings implemented \$ _____ VE Contact Person _____

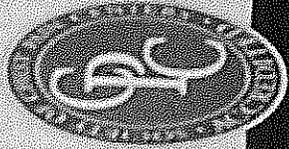
Construction-stage VE (VECP)? yes no (if yes) Explain _____

Total VECP savings \$ _____ VECP Contact Person _____

What would make this entry stand out from the rest of the entries when considering MoDOT's practical design philosophy? (In layman's terms - 100 words or fewer) During the right of way phase of this project, an innovative approach to acquiring billboards was formed. Negotiations between MoDOT, the City of Lee's Summit and the billboard company produced an agreement permitting the billboard company to upgrade two existing billboards at nearby locations to digital displays at their cost, while agreeing to remove the three billboards in conflict with the project. The appraised value of the three billboards was \$850,000, but the cooperative agreement reimbursed the billboard company \$16,200 to remove one monopole structure, resulting in an apparent cost savings of \$833,800. Team members involved were recognized with a Solutions at Work award in March 2007 for a new best-practice option in billboard negotiations.

Send entries to: MoDOT Design Division, ATTN: Jay Bestgen
1320 Creek Trail Dr., Jefferson City, Missouri 65109

You are 5 minutes from an
HCA Chest Pain Center.



UNIVERSITY OF TENNESSEE
HEALTH SCIENCE CENTER

02/09/2006



They're Going FAST!
Lee's Summit Mitsubishi
50 Hwy. & Todd George Rd.
2005 Mitsubishi Escape

02/09/2006



IMPREZA starting at \$16,995
plus freight



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EXIT NOW

LAMAR

12/14/2007

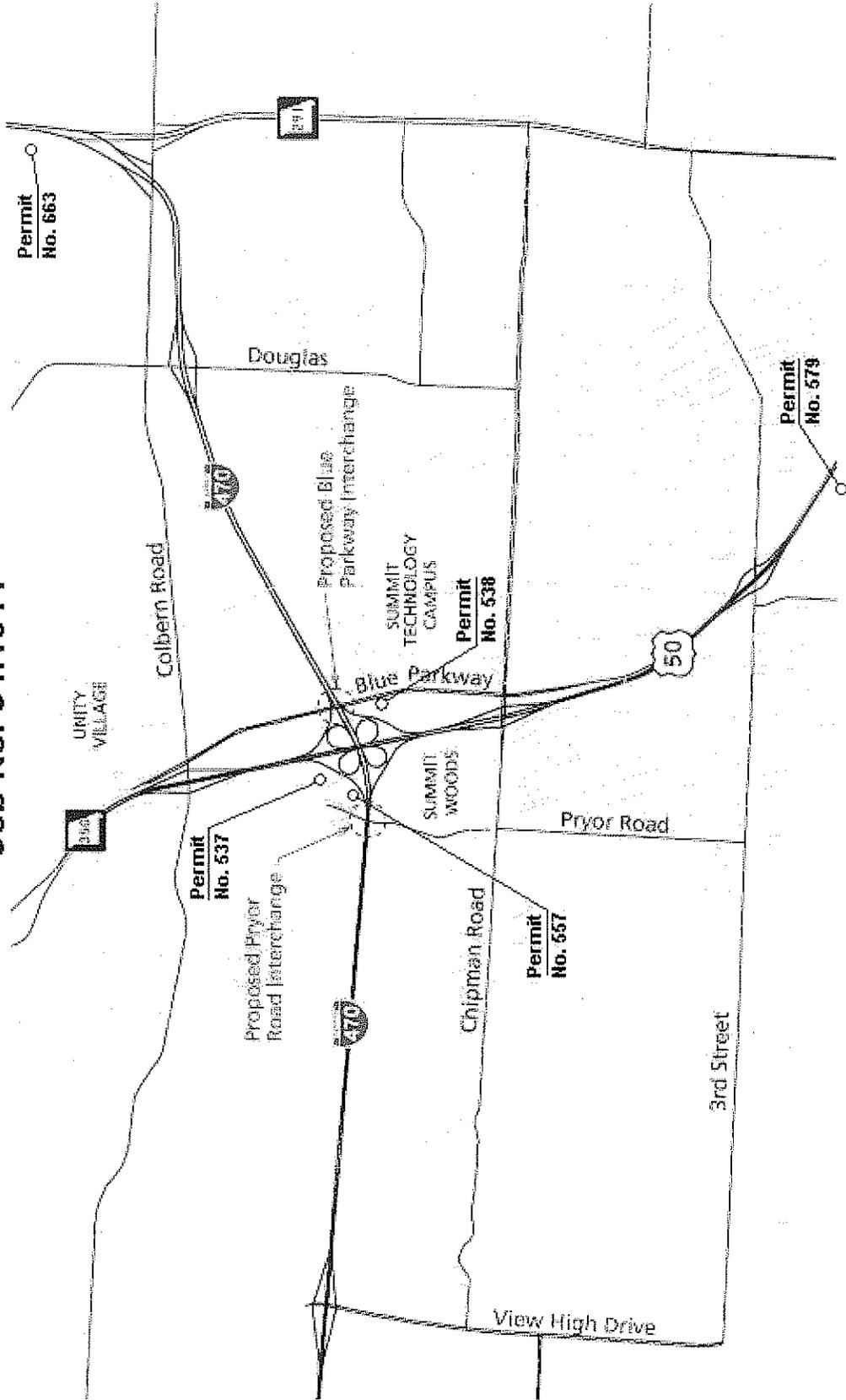


02/08/2007



Jackson Co. I-470/US-50/MO-350 Interchange

Job No. J411641



Permit No. 537
WB 1-470
(East Face)
Removed at No Cost to MoDOT

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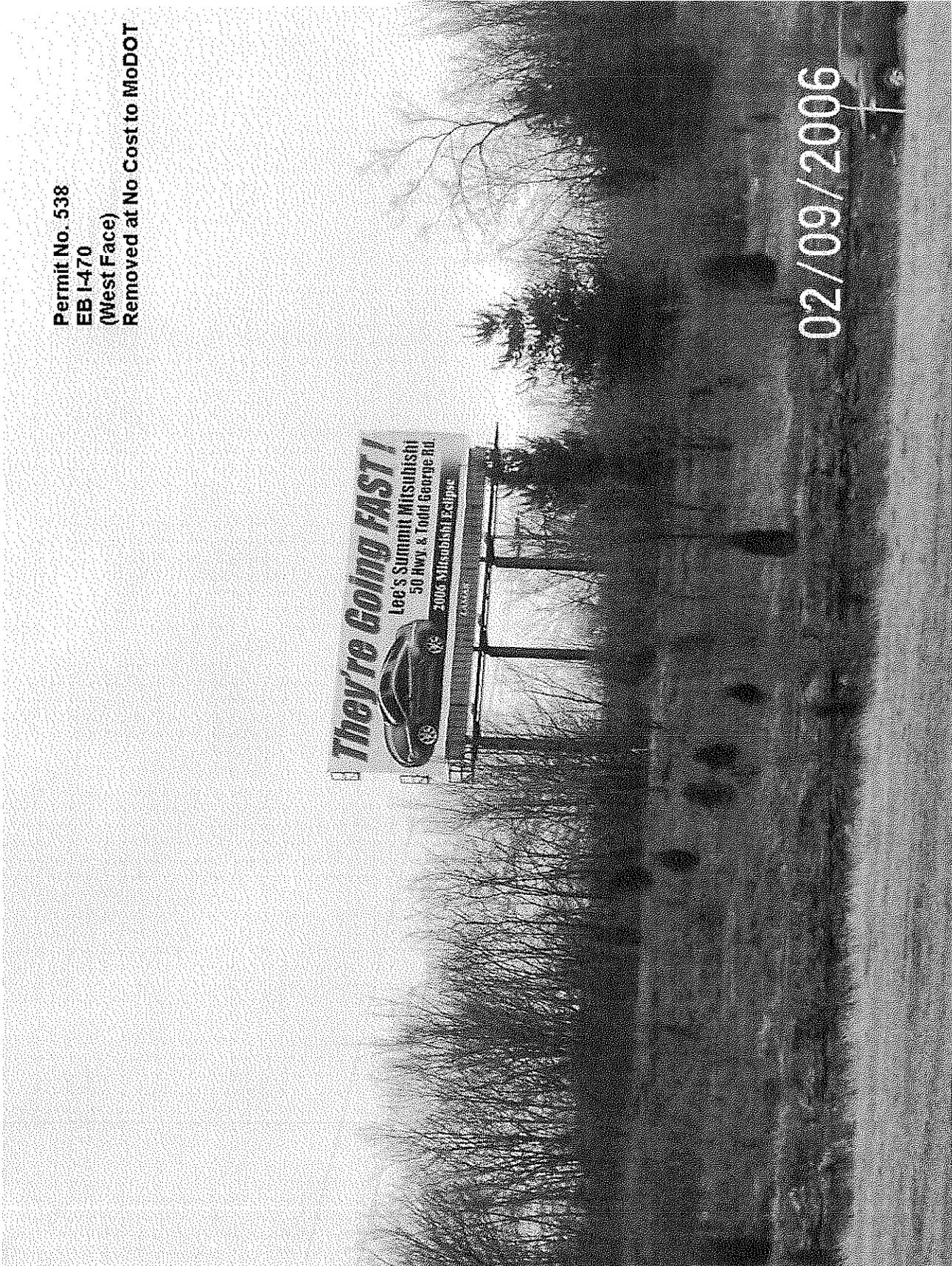
10/15/06

02/09/2006

Permit No. 538
EB I-470
(West Face)
Removed at No Cost to MoDOT

They're Going FAST!
Lee's Summit Mitsubishi
50 Hwy. & Todd George Rd
2005 Mitsubishi Eclipse

02/09/2006



Permit No. 557
WB I-470
(East Face)
Removed for \$16,200
(Demolition Costs)



02/09/2006

Exhibit "A"
Sheet 2 of 4
50 Hwy (West Face)
Permit # 579

(Before)



02/03/2006

Completed Electronic Upgrade
EB US-50
Permit No. 579 (West Face)

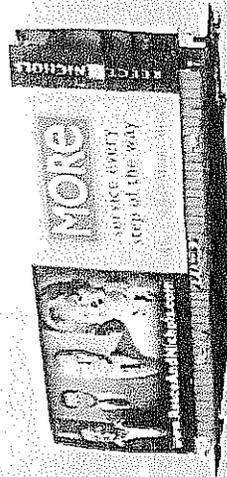
(After)



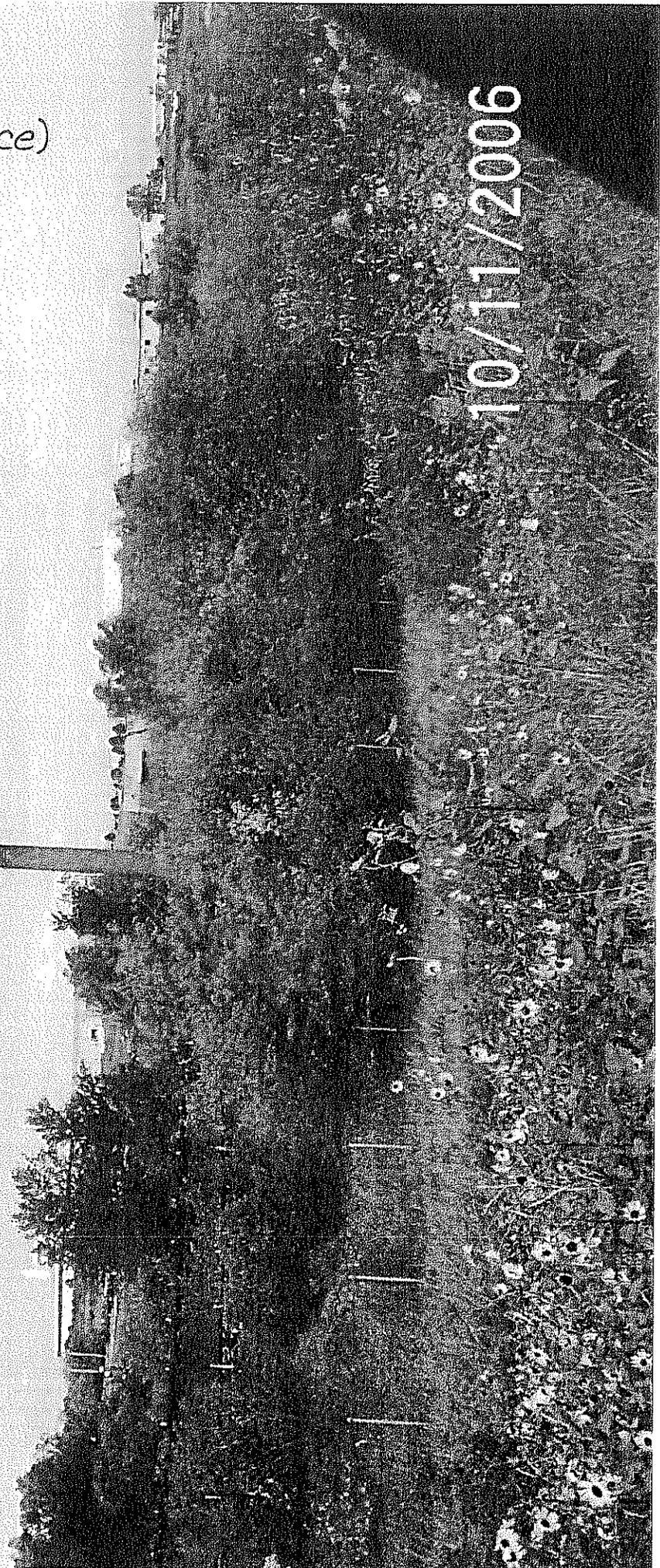
02/08/2007

(Before)

Exhibit "A"
Sheet 2 of 4
I-470 (West Face)
Permit #663



10/11/2006



Completed Electronic Upgrade
WB I-470
Permit No. 663 (East Face)

(After)



12/14/2007