

COMMITTEE OF THE WHOLE – MAY 3RD, 2004

ENTERPRISE GEOGRAPHIC INFORMATION SYSTEM (GIS) PROJECT STATUS UPDATE

Recommendation

The Commissioner of Economic/Technology Development and Communications, in consultation with the Director of Information Technology Services, recommends:

1. That this report be received for information.

Purpose

The purpose of this report is to provide Council with regular updates on the status of the Enterprise Geographic Information System (GIS) development, and related activities.

Background - Analysis and Options

In general, all GIS development projects and related activities progressed in conformity with the Council-approved Enterprise GIS Strategy.

The adjustments to the overall GIS development team structure, project management approach, and corporate stewardship that were previously made have resulted in improved effectiveness of the Enterprise GIS Strategy implementation.

Accomplishments Since Previous Project Status Update

Since the last project status update to Council, several key objectives were achieved by the project team:

Corporate GIS Steering Committee – a staff committee was established. This committee consists of senior level representatives from all areas of the organization. The role of this committee is to bring forward efficiency/performance improvement opportunities that may result from the implementation of GIS applications, as they are identified by various departments. The committee sets priorities for identified GIS initiatives and commits department staff resources required for such initiatives. The committee chair is the Director of Information Technology Services, and the committee sponsor is the Commissioner of Economic/Technology Development and Communications.

GIS Work Plan and Budget – the GIS applications development activities progressed according to the 2003/2004 Project Plan. It should be noted, however that the scope of some activities was adjusted to reflect departmental priorities. For example, the Engineering Department went through a significant reorganization in 2003. As a result, development of infrastructure management functionality within the GIS was given low priority by the department. The delay in developing infrastructure management functionality, however gave opportunity to expedite other pending activities, such as DTA enhancement and M-Plan management. The detailed Project Plan is attached (Attachment A).

Of the \$874,000 that was approved by Council in the 2003 Capital Budget for GIS initiatives, \$641,848 has been spent to-date on GIS applications development. The balance of the approved budget is sufficient to complete the remaining project activities.

Enterprise GIS Showcase – as directed by the newly formed Corporate GIS Steering Committee, the GIS implementation team successfully coordinated this event. The event took place in February of this year with the intent to illustrate practical uses of the developed GIS applications. The event was attended by over 250 people, and received positive media coverage. Newly developed GIS applications were demonstrated at the event with GIS functionality offered for residents, business owners, and staff. Based on the feedback received from the attendees, the Enterprise GIS Showcase was informative and helpful in helping staff identify further uses of GIS in order to achieve efficiency, effectiveness, and service excellence.

Vaughan Parcel Index (VPI) Database Completed – this initiative was successfully completed. In 2001 Council approved the development of a Vaughan Parcel Index (VPI). The VPI would enable the correlation of property identification number, the assessment roll number, and the civic address. The VPI is a critical element for the development of numerous GIS applications. Part of the justification for proceeding with the VPI development was a cost-recovery opportunity with Teranet Enterprises Inc., who was interested in purchasing the completed VPI for integration with the Ontario Parcel Index (OPI). The completed VPI was sold to Teranet Enterprises Inc., as approved by Council in 2001. In the process, \$70,342.72 of the VPI development cost was recovered.

Planned Activities for Next Period

Enterprise GIS Year 2004/5 Project Plan – subject to 2004 Capital Budget and 2004 Operating Budget approval, staff will identify and prioritize key GIS initiatives for year 2004/5 period. Such initiatives will be in conformity with the Council-approved Corporate GIS Strategy, and will reflect departmental priorities. Execution of the Year 2004/5 Project Plan can begin shortly after budget approval.

Municipal Information Systems Association (MISA) Showcase – MISA is an association of Information Technology and Information Systems professionals in the municipal sector. An annual conference is held to enable MISA members share strategies and experience related to the effective use of technology within municipal governments. The City of Vaughan will be showcasing its achievements in the deployment of GIS applications and related technologies at the up-coming MISA conference in Richmond Hill, Ontario.

GIS Applications Maintenance Agreement – staff will undertake the development of a software maintenance agreement with the GIS applications vendor (MTi Inc.). With numerous GIS applications deployed and several more nearing completion, a service agreement needs to be established to ensure stability and integrity of the GIS applications and related data.

Relationship to Vaughan Vision 2007

Planning and Managing Growth – Enterprise GIS applications enable numerous City departments achieve higher levels of efficiency, effectiveness and customer service;

Technology and Innovation – GIS and the related base data can be used in innovative ways to effectively address various business and citizens service issues.

The recommendations made in this report and related initiatives are consistent with the priorities previously set by Council and the necessary resources have been allocated and approved.

Conclusion

In general, GIS applications development and related activities are progressing in conformity with the Council-approved Enterprise GIS Strategy. The Enterprise GIS Year 2003/4 Project Plan is being monitored by the newly established Corporate GIS Steering Committee. The established Project Plan is reflective of departmental priorities and is proceeding substantially on schedule.

The Enterprise GIS Year 2003/4 Project Plan is being implemented on time and within the approved budget.

Attachments

Attachment A – Enterprise GIS Year 2003/4 Project Plan

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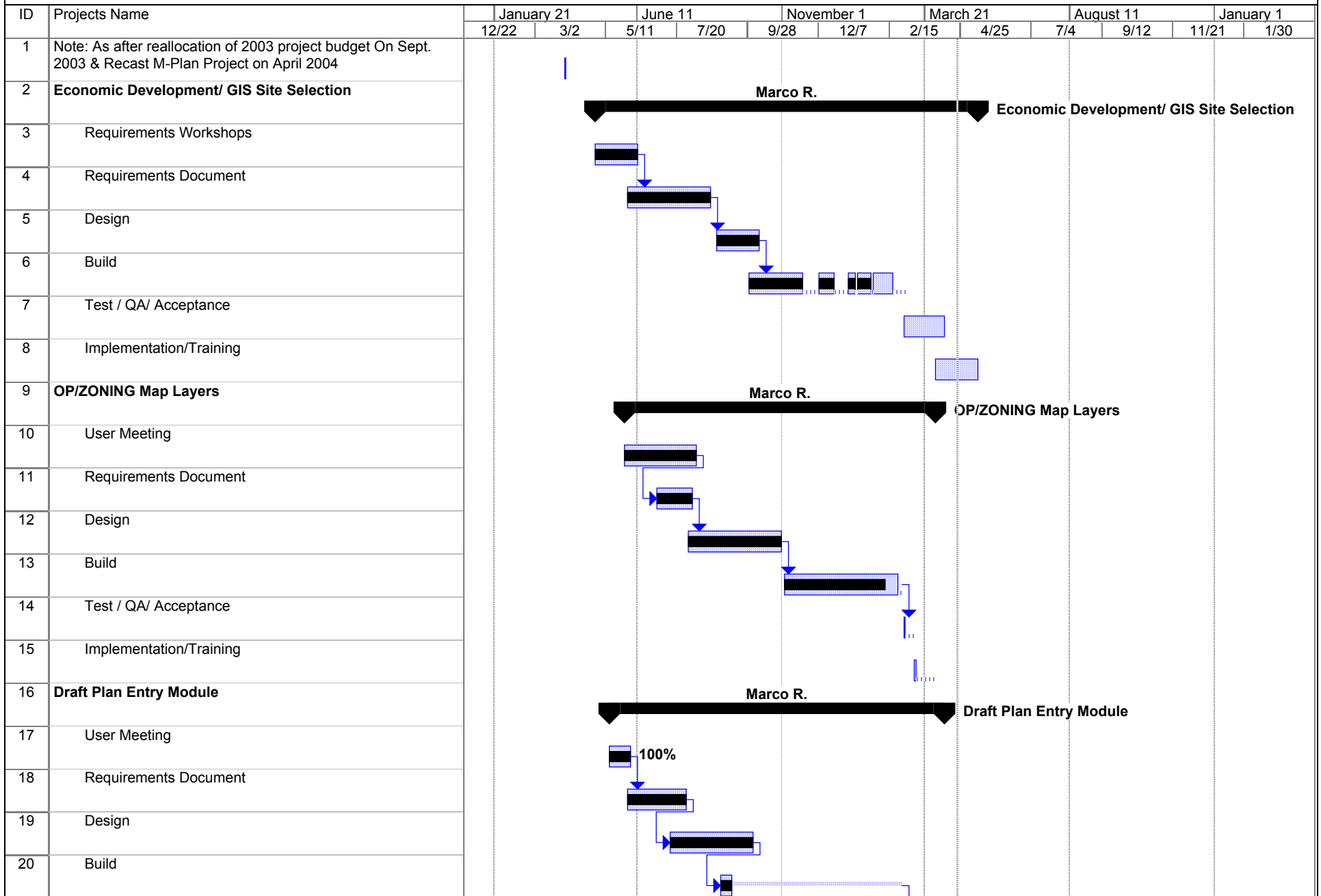
Respectfully submitted,

FRANK MIELE, Commissioner
Economic/Technology Development
and Communications

DIMITRI YAMPOLSKY, Director
Information Technology (IT) Services

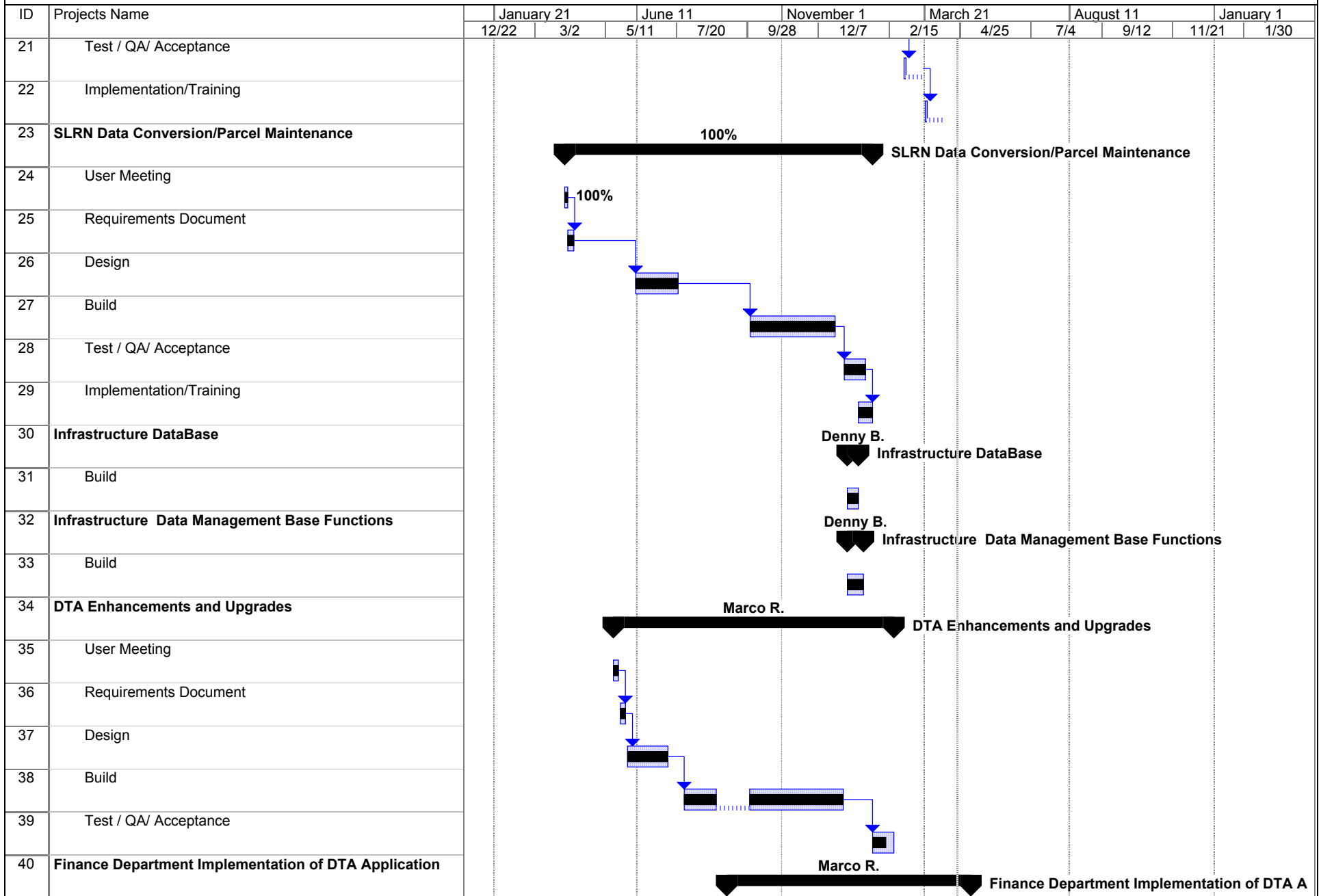
City of Vaughan/Munirom - Enterprise GIS Year 2003 Projects

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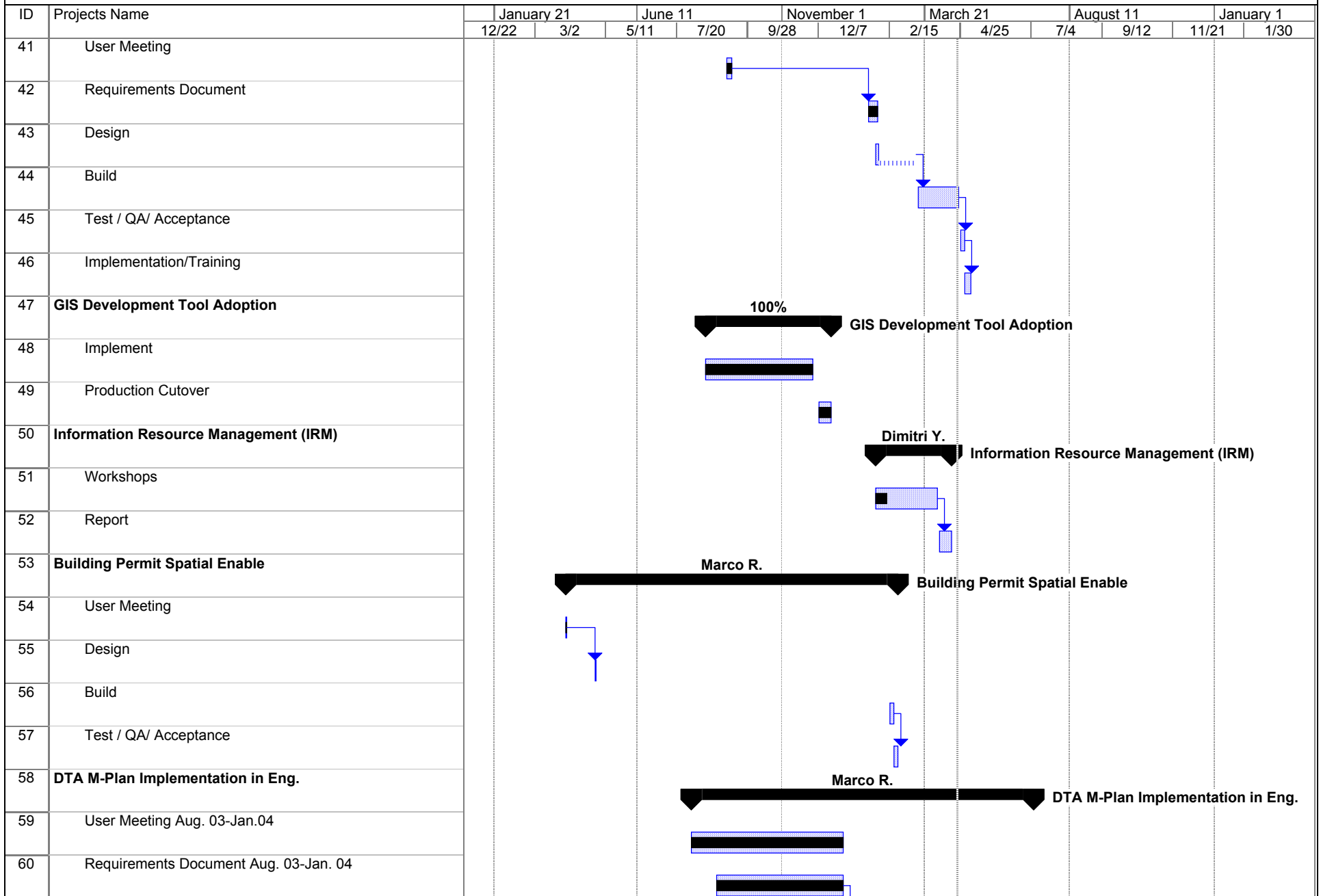
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ID	Projects Name	January 21		June 11		November 1		March 21		August 11		January 1	
		12/22	3/2	5/11	7/20	9/28	12/7	2/15	4/25	7/4	9/12	11/21	1/30
61	Project Planning												
62	User Meetings												
63	Requirements Document												
64	Design												
65	Build												
66	Test / QA/ Acceptance												
67	Implementation/Training												